PARSONS ENGINEERING SCIENCE

LABORATORY DATA PACKAGES AND DATA USABILITY SUMMARIES

MARCH 2012 REMOVAL ACTION

TRENCH NT-1

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DATA VERIFICATION SUMMARY REPORT

for B4 samples collected from

CAMP STANLEY STORAGE ACTIVITY

BOERNE, TEXAS

Data Verification by: Tammy Chang
Parsons - Austin

INTRODUCTION

The following data verification summary report covers soil samples and associated field quality control (QC) samples collected from B4 at Camp Stanley Storage Activity (CSSA) on February 27, 2012. The samples were assigned to the following Sample Delivery Group (SDG):

67072

The samples in this SDG were analyzed for volatile organic compounds (VOCs), semi-VOCs (SVOCs), explosives, total metals and TCLP metals. Not all samples were analyzed for all parameters. QC samples included one trip blank (TB) for VOC only, two sets of parent and field duplicate (FD), and one pair of matrix spike/matrix spike duplicate (MS/MSD) samples.

All samples were collected by Parsons and analyzed by APPL, Inc. following the procedures outlined in the Statement of Work and CSSA QAPP, Version 1.0. The samples in this SDG were shipped to the laboratory in one cooler. The cooler was received by the laboratory at a temperature of 2.0ºC, which was within the 2-6ºC range recommended by the CSSA QAPP.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, Version 1.0. Information reviewed in the data package included sample results; field and laboratory quality control samples; calibrations; case narratives; raw data; chain-of-custody (COC) forms and the sample receipt checklist. The findings presented in this report are based on the reviewed information, and whether the guidelines in the CSSA QAPP, Version 1.0, were met.

ICP-AES Metals

General

The ICP-AES metal portion of this SDG consisted of seventeen (17) soil samples and three (3) waste characterization soil samples. All total metal samples were analyzed for arsenic, barium, cadmium, chromium, copper, nickel, lead, and zinc. In addition, the three waste characterization soil samples were analyzed for TCLP-silver, arsenic, barium, cadmium, chromium, lead, and selenium.

The metal analyses were performed using USEPA SW846 Method 6010B and TCLP was performed using SW1311. The samples were analyzed following the procedures outlined in the Work Plan. All samples were prepared and analyzed within the holding time required by the method and the Work Plan.

The samples were digested in two batches (#164424 for TCLP batch and #164465 for total metals). The samples were injected in two injection batches under two sets of initial calibration curve (ICAL). All analyses were performed undiluted except most digestates were diluted 5 fold for one or all of the following metals: barium, copper, and zinc.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the two laboratory control samples (LCSs), one for total metals and one for TCLP-metals, and MS/MSD results.

The LCS recoveries for all target metals were within acceptance criteria for both batches.

Sample B4-NT1-BOT01 was designated as the parent sample for the MS/MSD analyses. All non-compliant %Rs for the MS/MSD are listed below:

B4-NT1-BOT01

Metals	MS, %R	MSD, %R	Criteria, %R
Arsenic	72	(75)	75-125
Barium	156	158	
Cadmium	64	64	
Chromium	70	68	
Copper	375	145	
Lead	(79)	63	
Nickel	(76)	66	
Zinc	161	135	

( ) indicates the %R was compliant.

"M" flags were applied to the above metal results of the parent sample.

Precision

Precision was evaluated by the relative percent difference (%RPD) of the two sets of parent and FD sample results and MS/MSD results. Samples B4-NT1-BOT01 and B4-NT1-SW6 were collected in duplicate.

%RPD of MS/MSD were compliant except copper which had a %RPD of 88% (criteria is ≤20%). "M" flag has already been applied to the parent sample result due to accuracy issue, no further flagging is needed.

%RPD calculation is only applicable when both parent and FD sample results are greater than RL.

B4-NT1-BOT01

Metals	Parent, mg/kg	FD, mg/kg	%RPD	Criteria, %RPD
Barium	41.7	25.0	**50**	
Copper	135.20	34.46	**119**	
Lead	12.30	10.65	14	≤20
Nickel	5.62	3.51	**46**	
Zinc	54.9	42.8	**25**	

B4-NT1-SW6

Metals	Parent, mg/kg	FD, mg/kg	%RPD	Criteria, %RPD
Barium	8.5	10.4	20	
Copper	3.31	4.03	20	≤20
Zinc	14.4	5.2	**94**	

"J" flags were applied to all total barium, copper, nickel, and zinc results of all samples in this SDG.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the Work Plan;
- Comparing actual analytical procedures to those described in the Work Plan;
- Evaluating preservation and holding times; and
- Examining laboratory blanks for cross contamination of samples during sample analysis.

All samples in this SDG were analyzed following the COC and the analytical procedures described in the Work Plan. All samples were prepared and analyzed within the holding times required by the method.

- All instrument initial calibration criteria were met.
- Low-level check standard met the criteria.
- All second source criteria were met. Both ICV samples were prepared using a secondary source.
- All CCV criteria were met.
- All interference check (ICSA/ICSAB) criteria were met.
- The dilution test (DT) was performed on sample B4-NT1-BOT01. This test was

applicable to barium, chromium, copper, lead, nickel and zinc:

Metal	%D	Criteria
Barium	5.0	%D ≤ 10
Chromium	**19**	
Copper	2.8	
Lead	**28**	
Nickel	**30**	
Zinc	5.8	

- The post digestion spike (PDS) was performed on the same sample as the DT. It was applicable for arsenic, cadmium, chromium, lead, and nickel:

Metal	%R	Criteria
Arsenic	89	75 – 125%
Cadmium	**74**	
Chromium	79	
Lead	**74**	
Nickel	78	

"J" flags were applied to all total cadmium and total lead results of all soil samples in this SDG by the lab. Parsons data validator removed all those flags due to 1% non-compliance of the PDS results.

There were two method blanks and several calibration blanks associated with the metal analyses in this SDG. All blanks were compliant.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All ICP-AES metal results (total and TCLP) for the samples in this SDG were considered usable. Therefore, the completeness for the metal portion of this SDG is 100%, which meets the minimum acceptance criteria of 95%.

MERURY

General

The mercury portion of this SDG consisted of seventeen (17) soil samples for total mercury and three (3) waste characterization samples for TCLP-mercury. All samples were collected on February 27, 2012 and were prepared and analyzed for total mercury using USEPA Method SW1311/7470A for the TCLP mercury and SW7471B for total mercury.

All samples were analyzed following the procedures outlined in the CSSA QAPP, prepared and analyzed within the holding time required by the method.

The sample was digested in batch #164409 for total mercury and batch #164393 for the TCLP-mercury. All analyses were performed undiluted.

Accuracy

Accuracy was evaluated using the percent recovery obtain from the two LCSs and MS/MSD. Sample B4-NT1-BOT01 was designated as the parent sample for the MS/MSD analyses.

The %R for the two LCSs and MS/MSD for mercury were within acceptance criteria.

Precision

Precision was evaluated based on the %RPD of the two sets of parent/FD and MS/MSD results. Samples B4-NT1-BOT01 and B4-NT1-SW6 were collected in duplicate.

%RPD of MS/MSD was compliant.

B4-NT1-BOT01

Metal	Parent, mg/kg	FD, mg/kg	%RPD	Criteria, %RPD
Mercury	0.30	0.34	12	≤20

Mercury was not detected at or above RL for the parent and FD of sample B4-NT1-SW6.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during sample analysis.

All samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All second source verification criteria were met. Both two ICVs were prepared using a secondary source.
- All calibration verification criteria were met.
- DT and PDS are not applicable.

There were two method blanks and several calibration blanks associated with the mercury analyses in this SDG. All blanks were free of mercury at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

The total and TCLP mercury result for the samples in this SDG were considered usable. The completeness for the mercury portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

VOLATILES

General

This data package consisted of fourteen (14) soil samples and one TB. The samples were collected on February 27, 2012 and were analyzed for a full list of VOCs.

The VOC analyses were performed using United States Environmental Protection Agency (USEPA) SW846 Method 8260B. The samples were analyzed in four analytical batches under four sets of initial calibration (ICAL) curves. All samples were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method. All samples were analyzed undiluted.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the four LCSs, MS/MSD, and the surrogate spikes. MS/MSD analyses were performed with sample B4-NT1-BOT01.

All LCSs recoveries were within acceptance criteria for all four batches.

There were 28 VOCs with non-compliant MS and/or MSD %R. “M” flags were applied to the parent sample results.

All surrogates were recovered within the limits.

Precision

Precision was evaluated with the %RPD of the MS/MSD and the two sets of parent and field duplicate sample results. Samples B4-NT1-BOT01 and B4-NT1-SW6 were collected in duplicate.

There were two compounds with %RPD greater than 30% of the MS/MSD analyses. “M” flags have already been applied to the parent sample results due to accuracy issue; therefore, no additional flags were needed.

None of the target compounds were detected above the RLs in both parent and FD samples, therefore, the %RPD calculation is not applicable.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining TB and laboratory blanks for cross contamination of samples during sample collection and analysis.

All samples in this data package were analyzed following the COC and the analytical procedures described in the CSSA QAPP, Version 1.0. All samples were prepared and analyzed within the holding time required by the method.

- All instrument performance check criteria were met.
- All initial calibration criteria were met.
- All four LCS samples were prepared with a secondary source. All second source verification criteria were met.
- All initial calibration verification (ICV) criteria were met.
- All continuing calibration verification (CCV) criteria were met.

There were four MBs, one TB, and few calibration blanks associated with the VOC analyses in this SDG. All blanks were non-detect for all target VOCs at RLs.

Completeness

Completeness has been evaluated in accordance with the CSSA QAPP. The number of usable results has been divided by the number of possible individual analyte results and expressed as a percentage to determine the completeness of the data set.

All VOC results for the samples in this SDG were considered usable. The completeness for this SDG is 100%, which meets the minimum acceptance criteria of 95%.

SEMI-VOLATILES

General

This data package consisted of fourteen (14) soil samples including QC samples of one pair of MS/MSD and two FDs. The samples were collected on February 27, 2012 and were analyzed for a full list of SVOCs.

The SVOC analyses were performed using United States Environmental Protection Agency (USEPA) SW846 Method 8270C. The samples were analyzed in one analytical batch under one set of initial calibration (ICAL) curves. All samples were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and

analyzed within the holding time required by the method. All samples were analyzed undiluted.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the LCS, MS/MSD, and the surrogate spikes. MS/MSD analyses were performed with sample B4-NT1-BOT01.

All LCS and surrogate spike recoveries were within acceptance criteria.

Benzoic acid had non-compliant %Rs for the MS and MSD. "M" flag was applied to the parent sample result of benzoic acid.

Precision

Precision was evaluated with the %RPD of the MS/MSD and parent and field duplicate sample results. Samples B4-NT1-BOT01 and B4-NT1-SW6 were collected in duplicate.

All %RPDs of the MS/MSD results were compliant.

None of the target SVOCs were detected in both sets of parent and FD at or greater than RLs.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during sample analysis.

All samples in this data package were analyzed following the COC and the analytical procedures described in the CSSA QAPP, Version 1.0. All samples were prepared and analyzed within the holding time required by the method.

- All instrument performance check criteria were met.
- All initial calibration criteria were met.
- The LCS sample was prepared with a secondary source. All second source verification criteria were met.
- All initial calibration verification (ICV) criteria were met.
- All continuing calibration verification (CCV) criteria were met.
- All internal standard criteria were met.

There were one MB and few calibration blanks associated with the SVOC analyses in this SDG. All blanks were non-detect for all target SVOCs.

Completeness

Completeness has been evaluated in accordance with the CSSA QAPP. The number of usable results has been divided by the number of possible individual analyte results and expressed as a percentage to determine the completeness of the data set.

All SVOC results for the samples in this SDG were considered usable. The completeness for this SDG is 100%, which meets the minimum acceptance criteria of 95%.

EXPLOSIVES

General

This data package consisted of fourteen (14) soil samples including QC samples. All samples were collected on February 29, 2012 and were analyzed for a full list of explosives by SW8330B.

The explosive analyses were performed using United States Environmental Protection Agency (USEPA) SW846 Method 8330B. The samples were analyzed in one analytical batch under one set of initial calibration (ICAL) curves. All samples were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed undiluted within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the LCS, MS, MSD, and the surrogate spikes. Sample B4-NT1-BOT01 was designated as the parent sample for the MS/MSD analyses by Parsons.

All LCS, MS, MSD, and surrogate spike recoveries were within acceptance criteria.

Precision

Precision was evaluated based on the %RPD of MS/MSD and parent/FD. Samples B4-NT1-BOT01 and B4-NT1-SW6 were collected in duplicate.

Neither parent or FD had explosives detected at reporting limits in both pairs of parent and FD, therefore, the %RPD calculation is not applicable.

All %RPDs of MS/MSD were compliant.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;

- Evaluating holding times; and
- Examining laboratory blank for cross contamination of samples during sample preparation and analysis.

All samples in this data package were analyzed following the COC and the analytical procedures described in the CSSA QAPP, Version 1.0. All samples were prepared and analyzed within the holding time required by the method.

- All instrument performance check criteria were met.
- All initial calibration criteria were met.
- The LCS was prepared with a secondary source. All second source verification criteria were met.
- All initial calibration verification (ICV) criteria were met.
- All continuing calibration verification (CCV) criteria were met.

There were one MB and several calibration blanks associated with the explosive analyses in this SDG. All blanks were non-detect for all target explosives.

Completeness

Completeness has been evaluated in accordance with the CSSA QAPP. The number of usable results has been divided by the number of possible individual analyte results and expressed as a percentage to determine the completeness of the data set.

All explosive results for the samples in this SDG were considered usable. The completeness for this SDG is 100%, which meets the minimum acceptance criteria of 95%.

Laboratory Report

Parsons

Project #: 748372.06000 CSSA B-4

ARF: 67072

Samples collected: February 27, 2012

APPL, Inc.

Data Validatable Package
for
Project #: 748372.06000 CSSA B-4
ARF 67072
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CASE NARRATIVE

908 North Temperance Ave. ∇ Clovis, CA 93611 ∇ Phone 559-275-2175 ∇ Fax 559-275-4422

Case Narrative

ARF: 67072

Project: 748372.06000 CSSA

California State Certification Number: CA1312 (DW & WW)

NELAP Certification number: 05233CA (HW)

Texas Certificate Number: T104704242-10-3

Results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sample Receipt Information:

The sample group was received February 28, 2012, at 2.0°C. The samples were assigned Analytical Request Form (ARF) number 67072. The sample numbers and requested analyses were compared to the chains of custody and email communications. No exception was noted.

Sample Table

CLIENT ID	APPL ID	Matrix	Date Sampled	Date Received
TB-1	AY55845	WATER	02/27/12	02/28/12
B4-NT1-SW9	AY55846	SOIL	02/27/12	02/28/12
B4-NT1-SW6	AY55847	SOIL	02/27/12	02/28/12
B4-NT1-SW3	AY55848	SOIL	02/27/12	02/28/12
B4-NT1-BOT03	AY55849	SOIL	02/27/12	02/28/12
B4-NT1-SW8	AY55850	SOIL	02/27/12	02/28/12
B4-NT1-BOT02	AY55851	SOIL	02/27/12	02/28/12
B4-NT1-SW4	AY55852	SOIL	02/27/12	02/28/12
B4-NT1-SW7	AY55853	SOIL	02/27/12	02/28/12
B4-NT1-BOT01 FD	AY55854	SOIL	02/27/12	02/28/12
B4-NT1-BOT01	AY55855	SOIL	02/27/12	02/28/12
B4-NT1-SW5	AY55856	SOIL	02/27/12	02/28/12
B4-WC01	AY55857	SOIL	02/27/12	02/28/12
B4-WC02	AY55858	SOIL	02/27/12	02/28/12
B4-WC03	AY55859	SOIL	02/27/12	02/28/12
B4-NT1-SW6 FD	AY55869	SOIL	02/27/12	02/28/12

Percent moisture was determined using CLP 4.0.

EPA Method 8270C
Semi-Volatile Organic Compounds

Sample Preparation:

The soil samples were extracted according to EPA method 3550B. All holding times were met.

Sample Analysis Information:

The samples were analyzed according to the method using a Hewlett Packard Gas Chromatograph with a mass spectrometer detector.

Quality Control/Assurance

Calibrations:

Initial and continuing calibrations were performed according to the method. All calibration criteria were met.

Blanks:

No target compound was detected at or above the reporting limit.

Spikes:

A Laboratory Control Spike (LCS) was used for quality assurance. All recoveries were acceptable.

Sample B4-NT1-BOT01 was designated by the client for MS/MSD analysis. For the MS/MSD, Benzoic acid recovered below the 25% lower control limit at 11.4% and 11.4%. Benzoic acid was "M" flagged in the parent sample, in accordance with the CSSA QAPP. All other recoveries met acceptance criteria.

Surrogates

All surrogate recoveries met acceptance criteria.

Tuning:

The instrument was tuned using DFTPP. All method criteria were met.

Internal Standards

The internal standard area counts were compared to the mid-point of the initial calibration according to method 8270. All method criteria were met.

Summary:

No other problem was encountered. The data generated are acceptable.

Volatile Organic Compounds
EPA Method 8260B

Sample Preparation:

The water sample was purged according to EPA method 5030B and the soil samples were purged according to EPA method 5035. All holding times were met.

Sample Analysis Information:

The sample was analyzed according to EPA method 8260B using a Hewlett Packard Gas Chromatograph with a mass spectrometer detector. All holding times were met.

Quality Control/Assurance:

Spike Recovery:

Laboratory Control Spikes (LCS) were used for quality assurance. A second-source standard (SS) was used for the LCS. All LCS criteria were met.

Sample B4-NT1-BOT01 was designated by the client for MS/MSD analysis. Twenty eight compounds recovered outside the control limits in the MS, MSD, and/or RPD. All 28 compounds are flagged with an "M" in the parent sample, in accordance with the CSSA QAPP.

Surrogates:

All surrogate recoveries met acceptance criteria.

Method blanks:

No target compound was detected above its reporting limit in the method blanks.

Calibration:

Initial and continuing calibrations were analyzed according to the method. All calibration criteria were met.

Tuning:

The instrument was tuned using BFB. All method criteria were met.

Internal Standards:

The internal standard area counts were compared to the mid-point of the initial calibration according to method 8260. All acceptance criteria were met.

Summary:

No other analytical exception was noted. All data generated are acceptable.

EPA Method 8330B
Energetics

Sample Preparation:

The soil samples were dried and extracted according to EPA method 8330B, without using incremental sampling procedures. All holding times were met.

Analysis:

The samples were analyzed according to EPA Method 8330B using an Agilent 1290 HPLC with DA detector.

Quality Control/Assurance:

Spike Recovery

A Laboratory Control Spike (LCS) was used for quality assurance. All spike acceptance criteria was met.

Sample B4-NT1-BOT01 was designated by the client for MS/MSD analysis. All recoveries met acceptance criteria.

Method blanks:

No target analyte was detected at or above the reporting limit in the method blank.

Surrogates:

All surrogates had acceptable recoveries.

Calibration:

The initial and continuing calibrations and second source were analyzed according to the method. All calibration criteria were met.

Summary:

No analytical problem was encountered. The data generated are acceptable.

EPA Method 6010B
Metals

Digestion Information:

The soil samples were digested according to EPA method 3050B. Designated soil samples were leached according to EPA method 1311, and the leachates were digested according to EPA method 3010A. No exceptions were encountered. All holding times were met.

Analysis Information:

Samples:

The samples were analyzed according to EPA method 6010B using a Perkin Elmer Optima 5300DV ICP.

Calibrations:

Calibrations were performed according to the methods for the initial calibration and the initial calibration verification. The initial calibration verification is prepared from a second source standard. All calibration acceptance criteria were met.

Blanks:

No target metal was detected above the reporting limit (RL) in the method blanks.

Spikes:

Laboratory Control Spikes (LCS), matrix spikes (MS/MSD), Post Digestion Spike (PDS) and a serial dilution test (DT) were used for quality assurance. All LCS acceptance criteria were met.

Sample B4-NT1-BOT01 was designated by the client for MS/MSD analysis. In the MS/MSD, all eight target analytes recover outside of the 75% to 125% control limits: arsenic at 72.5% in the MS, barium 156% and 158%, cadmium at 63.8% and 63.5%, chromium at 69.9% and 67.5%, copper at 375% and 145%, lead at 63.2% in the MSD, nickel at 66.5% in the MSD, and zinc at 161% and 135%. All analytes are "M" flagged in the parent sample, in accordance with CSSA QAPP guidelines. The DT was applicable to six metals; chromium, lead and nickel exceeded the 10% deviation limit at 18.7%, 28.3%, and 30.5%, respectively; barium copper and zinc had acceptable recoveries in the DT. The PDS was applicable to five analytes; cadmium and lead recovered below the 75% lower control limit at 74.1% and 74.1%. Cadmium and lead are "J" flagged in all associated samples, in accordance with CSSA QAPP guidelines.

Summary:

No other analytical exception is noted.

EPA Methods 7470A and 7471B
Mercury

Digestion Information:

The soil samples were digested according to EPA method 7471B. Designated soil samples were leached according to EPA method 1311, and the leachates were digested according to EPA method 7470A. All holding times were met.

Analysis Information:

Samples:

The samples were analyzed according to EPA methods 7470A and 7471B using a Perkin Elmer AAnalyst 300.

Calibrations:

Calibrations were performed according to the methods for the initial calibration and the initial calibration verification. The initial calibration verification is prepared from a second source standard. All calibration acceptance criteria were met.

Blanks:

No target metal was detected above the reporting limit (RL) in the method blanks.

Spikes:

Laboratory Control Spikes (LCS), Matrix Spikes (MS/MSD) and serial dilution test (DT) were used for quality assurance. All LCS acceptance criteria were met.

Sample B4-NT1-BOT01 was designated by the client for MS/MSD analysis. All acceptance criteria were met in the MS/MSD.

The dilution test was applicable to several samples because the response for mercury exceeded 25 times the MDL. Sample B4-NT1-BOT03 was selected for the DT. All acceptance criteria were met in the DT and no further action was taken.

Summary:

No analytical exception is noted.

CERTIFICATION

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC. Release of the hard copy has been authorized by the Laboratory Manager or her designee, as verified by the following signature.

3-13-12

Sharon Dehmlow, Laboratory Director / Date

CHAIN OF CUSTODY

AND ARF

APPL - Analysis Request Form 67072

Client: Parsons
Address: 8000 Centre Park Drive Ste 200
Austin, TX 78754
Attn: Tammy Chang
Phone: 512-719-6092 Fax: 512-719-6099
Job: 748372.06000 CSSA
PO #: 748336.30000-00 (prime *G012)
Chain of Custody (Y/N): Y # 022712APPFA
RAD Screen (Y/N): Y pH (Y/N): N
Turn Around Type: 5 DAYS

Received by: TBV
Date Received: 02/28/12 Time: 09:50
Delivered by: FED EX
Shuttle Custody Seals (Y/N): Y Time Zone: CST
Chest Temp(s): 2.0°C
Color: H-PURGRN,VOA
Samples Chilled until Placed in Refrig/Freezer: Y
Project Manager: Diane Anderson DA
QC Report Type: DVP4/AFCEE/ERPIMS/TX
Due Date: 03/05/12

Comments:
pdf ARF to Tammy & Pam; send HC 2 DVP3 to Tammy; send DVP4 on CD.
For Off-Post samples, send pdf of result pages to Katherine & Tammy.
New contract: definitive data needs DVP 4; needs AFCEE forms and package.
Case Narrative. CSSA QAPP. Only report MS/MSD when requested.
EDD: ERPIMS 4 Lab PC4 checked TXF to Pam.Ford@parsons.com
Samples are on 5-day or sooner TAT per email from Tammy. 2-28-12

2-29 Sent ARF

Sample Distribution:
GC: 12-$827AF
Extractions: 12-_MSE018, 12-_SON009GROSS
VOA: 1-$86AW, 12-$826AF
LCMS: 12-$83CS
Metals: 15-$HGAFBS, 15-$MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), 3-$60LP(Ag,As,Ba,Cd,Cr,Pb,Se), 3-$HGT
Wetlab: 15-MOIST
Other: 15-_M3050GROSS, 15-_M7471GROSS,3-_M3010TCLP, 3-_M7470TCLP

Charges:

Invoice To:
BOA 748336.30000 TO# 2
8000 Centre Park Drive Ste 200
Austin, TX 78754-5140
Attn: Ellen Felfe

	Client ID	APPL ID	Sampled	Analyses Requested
1.	TB-1	AY55845W	02/27/12 09:00	$86AW
2.	B4-NT1-SW9	AY55846S	02/27/12 10:20	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
3.	B4-NT1-SW6	AY55847S	02/27/12 10:25	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
4.	B4-NT1-SW3	AY55848S	02/27/12 10:30	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
5.	B4-NT1-BOT03	AY55849S	02/27/12 10:32	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST

6.	B4-NT1-SW8		AY55850S	02/27/12 10:35	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
7.	B4-NT1-BOT02		AY55851S	02/27/12 10:40	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
8.	B4-NT1-SW4		AY55852S	02/27/12 10:42	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
9.	B4-NT1-SW7		AY55853S	02/27/12 10:45	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
10.	B4-NT1-BOT01 FD		AY55854S	02/27/12 10:50	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
11.	B4-NT1-BOT01	MS/MSD	AY55855S	02/27/12 10:50	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
12.	B4-NT1-SW5		AY55856S	02/27/12 10:55	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
13.	B4-WC01		AY55857S	02/27/12 13:10	$60LP(Ag,As,Ba,Cd,Cr,Pb,Se), $HGAFBS, $HGT, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
14.	B4-WC02		AY55858S	02/27/12 13:15	$60LP(Ag,As,Ba,Cd,Cr,Pb,Se), $HGAFBS, $HGT, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
15.	B4-WC03		AY55859S	02/27/12 13:30	$60LP(Ag,As,Ba,Cd,Cr,Pb,Se), $HGAFBS, $HGT, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
16.	B4-NT1-SW6 FD		AY55869S	02/27/12 10:25	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST

APPL Sample Receipt Form

ARF# 67072

Sample	Container Type	Count	pH
AY55845	13 VOAs - HCL	2	NA
AY55846	20 4oz Jar	3	NA
AY55847	20 4oz Jar	3	NA
AY55848	20 4oz Jar	3	NA
AY55849	20 4oz Jar	3	NA
AY55850	20 4oz Jar	3	NA
AY55851	20 4oz Jar	3	NA
AY55852	20 4oz Jar	3	NA
AY55853	20 4oz Jar	3	NA
AY55854	20 4oz Jar	3	NA
AY55855	20 4oz Jar	3	NA
AY55856	20 4oz Jar	3	NA
AY55857	20 4oz Jar	2	NA
AY55858	20 4oz Jar	2	NA
AY55859	20 4oz Jar	2	NA
AY55869	20 4oz Jar	3	NA

Sample	Container Type	Count	pH

Receiving

From: "Renee Patterson" <rpatterson@applinc.com>
To: <receiving@applinc.com>
Sent: Tuesday, February 28, 2012 9:10 AM
Attach: 022712_APPL.PDF
Subject: FW: B4 sampling (CSSA)

Tom,

Please log in the soil samples from CSSA on 5-day TAT.

Thank you, Renee

From: Chang, Tammy [mailto:Tammy.Chang@parsons.com]
Sent: Tuesday, February 28, 2012 8:29 AM
To: Renee Patterson; Diane Anderson
Cc: Marbury, Laura; de las Fuentes, Sandra
Subject: FW: B4 sampling (CSSA)

Renee:

We still prefer to have all results in 3 business days. Pieces data, without the TCLP and SVOC, does not help the project. Either all analyses in 3 business days or all analyses in 5 business days. Currently, we do not have 4 business days TAT rates set in the lab subcontract, but are willing to add to it if all analyses may be done in 4 business days.

Will you please update the status of this shipment by the end of this Friday and give us an estimated completion date for ALL analyses. Thank you for your help.

Tammy

From: Renee Patterson [mailto:rpatterson@applinc.com]
Sent: Monday, February 27, 2012 5:42 PM
To: Chang, Tammy; 'Diane Anderson'
Cc: Ford, Pamela; de las Fuentes, Sandra
Subject: RE: B4 sampling (CSSA)

Tammy,

We've polled all the sections.

VOCs and total metals are OK with 3-day TAT. TCLP metals may need one more day.

SVOCs and explosives may need 3-5 days to complete the analysis.

Will that work for you?

Renée

From: Chang, Tammy [mailto:Tammy.Chang@parsons.com]
Sent: Monday, February 27, 2012 2:34 PM
To: Renée Patterson; Diane Anderson; Robert Wise; Jeremy Hale
Cc: Ford, Pamela; de las Fuentes, Sandra
Subject: FW: B4 sampling (CSSA)

Camp Stanley Storage Activity Chain Of Custody

5 days or sooner.

COC ID:	022712APPFA	Relinquish_Date:	2/27/2012	Cooler ID:	A
Project Location:	CSSA	Relinquished_By:	KKC	LabCode:	APPF
Job Number:	748372.06000	Relinquish_Time:	5:00 PM	Carrier:	FedEx
Creation Date:	2/27/2012	Collection Team:	SE_JDB	Airbill Carrier:	876436443220
Task Manager	Laura Marbury	Sample Data Type	Definitive	TAT:	~~3 Day TAT~~

Sampler(s): Sam Elliott Julie Bouchy

S d 2/28/

LOCID: TB-1 LOGDATE: 2/27/2012 MATRIX: WQ TBLOT:
SBD: 0 LOGTIME: 9:00 SACODE: TB SMCODE: NA ABLOT:
SED: 0 FLDSAMPID TB-1_022712_TB0900 EBLOT: Containers: 2
Remarks:

Analysis Required:

SW8260B	VOLATILE ORGANIC CO

LOCID: B4-NT1-SW9 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:20 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW9_022712_N1020 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-SW6 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:25 SACODE: FD SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW6_022712_FD1025 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-SW6 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:25 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW6_022712_N1025 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-SW3 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:30 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW3_022712_N1030 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-BOT03 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:32 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-BOT03_022712_N1032 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

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Relinquished by: S. Elliott Date 2-27-12 Time 1630
Recieved by: Date Time

Relinquished by: Date Time
Recieved by: Date Time

Relinquished by: Date Time
Recieved by: Date Time

Camp Stanley Storage Activity Chain Of Custody

5 days or Sooner.

COC ID:	022712APPFA	Relinquish_Date:	2/27/2012	Cooler ID:	A
Project Location:	CSSA	Relinquished_By:	KKC	LabCode:	APPF
Job Number:	748372.06000	Relinquish_Time:	5:00 PM	Carrier:	FedEx
Creation Date:	2/27/2012	Collection Team:	SE_JDB	Airbill Carrier:	876436443220
Task Manager	Laura Marbury	Sample Data Type	Definitive	TAT:	3 Day TAT

Sampler(s): Sam Elliott Julie Bouchy

Sam Elliott

SD 2/28/12

LOCID: B4-NT1-SW8 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:35 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW8_022712_N1035 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-BOT02 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:40 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-BOT02_022712_N1040 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-SW4 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:42 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW4_022712_N1042 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-SW7 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:45 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW7_022712_N1045 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-BOT01 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:50 SACODE: FD SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-BOT01_022712_FD1050 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-BOT01 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:50 SACODE: MS SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-BOT01_022712_MS1050 EBLOT: Containers: 0
Remarks: take from parent sample

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

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Relinquished by: S. E Elliott Date 2/27/12 Time 1630 Relinquished by:____ Date____ Time____ Relinquished by:____ Date____ Time____

Recieved by:____ Date____ Time____ Recieved by:____ Date____ Time____ Recieved by:____ Date____ Time____

Camp Stanley Storage Activity Chain Of Custody

5 days or Sooner.

5d
2/28/12

COC ID:	022712APPFA	Relinquish_Date:	2/27/2012	Cooler ID:	A
Project Location:	CSSA	Relinquished_By:	KKC	LabCode:	APPF
Job Number:	748372.06000	Relinquish_Time:	5:00 PM	Carrier:	FedEx
Creation Date:	2/27/2012	Collection Team:	SE_JDB	Airbill Carrier:	876436443220
Task Manager	Laura Marbury	Sample Data Type	Definitive	TAT:	3 Day TAT

Sampler(s): Sam Elliott Julie Boyuth

LOCID: **B4-NT1-BOT01** LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:50 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-BOT01_022712_N1050 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: **B4-NT1-BOT01** LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:50 SACODE: SD SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-BOT01_022712_SD1050 EBLOT: Containers: 0
Remarks: take from parent sample

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: **B4-NT1-SW5** LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:55 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW5_022712_N1055 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: **B4-WC01** LOGDATE: 2/27/2012 MATRIX: SO TBLOT:
SBD: 0 LOGTIME: 13:10 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-WC01_022712_N1310 EBLOT: Containers: 2
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	TCLP - Silver (Ag)
SW6010B	TCLP - Arsenic (As)	SW6010B	TCLP - Barium (Ba)
SW6010B	TCLP - Cadmium (Cd)	SW6010B	TCLP - Chromium (Cr)
SW6010B	TCLP - Lead (Pb)	SW6010B	TCLP - Selenium (Se)
SW6010B	ZINC	SW7470A	TCLP - Mercury (Hg)
SW7471	MERCURY		

LOCID: **B4-WC02** LOGDATE: 2/27/2012 MATRIX: SO TBLOT:
SBD: 0 LOGTIME: 13:15 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-WC02_022712_N1315 EBLOT: Containers: 2
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	TCLP - Silver (Ag)
SW6010B	TCLP - Arsenic (As)	SW6010B	TCLP - Barium (Ba)
SW6010B	TCLP - Cadmium (Cd)	SW6010B	TCLP - Chromium (Cr)
SW6010B	TCLP - Lead (Pb)	SW6010B	TCLP - Selenium (Se)
SW6010B	ZINC	SW7470A	TCLP - Mercury (Hg)
SW7471	MERCURY		

Relinquished by: S. Elliott Date 2.27.12 Time 1630 Relinquished by:____ Date____ Time____ Relinquished by:____ Date____ Time____

Recieved by:____ Date____ Time____ Recieved by:____ Date____ Time____ Recieved by:____ Date____ Time____

Camp Stanley Storage Activity Chain Of Custody → 5 days or Sooner.

COC ID:	022712APPFA	Relinquish_Date:	2/27/2012	Cooler ID:	A
Project Location:	CSSA	Relinquished_By:	KKC	LabCode:	APPF
Job Number:	748372.06000	Relinquish_Time:	5:00 PM	Carrier:	FedEx
Creation Date:	2/27/2012	Collection Team:	SE_JDB	Airbill Carrier:	876436443220
Task Manager	Laura Marbury	Sample Data Type	Definitive	TAT:	~~3 Day TAT~~

Sampler(s): Sam Elliott Julie Bouchard

SJ 2/28/12

LOCID: B4-WC03 LOGDATE: 2/27/2012 MATRIX: SO TBLOT:
SBD: 0 LOGTIME: 13:30 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-WC03_022712_N1330 EBLOT:
Containers: 2
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	TCLP - Silver (Ag)
SW6010B	TCLP - Arsenic (As)	SW6010B	TCLP - Barium (Ba)
SW6010B	TCLP - Cadmium (Cd)	SW6010B	TCLP - Chromium (Cr)
SW6010B	TCLP - Lead (Pb)	SW6010B	TCLP - Selenium (Se)
SW6010B	ZINC	SW7470A	TCLP - Mercury (Hg)
SW7471	MERCURY		

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Relinquished by: S. Elliott Date 2-27-12 Time 1630
Recieved by: _____ Date _____ Time _____

Relinquished by: _____ Date _____ Time _____
Recieved by: _____ Date _____ Time _____

Relinquished by: _____ Date _____ Time _____
Recieved by: _____ Date _____ Time _____

67072

Camp Stanley Storage Activity Chain Of Custody

COC ID:	022712APPFA	Relinquish_Date:	2/27/2012	Cooler ID:	A
Project Location:	CSSA	Relinquished_By:	KKC	LabCode:	APPF
Job Number:	748372.06000	Relinquish_Time:	5:00 PM	Carrier:	FedEx
Creation Date:	2/27/2012	Collection Team:	SE_JDB	Airbill Carrier:	876436443220
Task Manager	Laura Marbury	Sample Data Type	Definitive	TAT:	3 Day TAT

Sampler(s): Sam Elliott Julie Bonelli

LOCID: **TB-1** LOGDATE: 2/27/2012 MATRIX: WQ TBLOT:
SBD: 0 LOGTIME: 9:00 SACODE: TB SMCODE: NA ABLOT:
SED: 0 FLDSAMPID TB-1_022712_TB0900 EBLOT: Containers: 2
Remarks:

Analysis Required:

SW8260B	VOLATILE ORGANIC CO

LOCID: **B4-NT1-SW9** LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:20 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW9_022712_N1020 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: **B4-NT1-SW6** LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:25 SACODE: FD SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW6_022712_FD1025 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: **B4-NT1-SW6** LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:25 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW6_022712_N1025 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: **B4-NT1-SW3** LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:30 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW3_022712_N1030 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: **B4-NT1-BOT03** LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:32 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-BOT03_022712_N1032 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

Relinquished by: E. Elliott Date 2-27-12 Time 1630
Recieved by: Young Kim Date 2/28/12 Time 7:50

Relinquished by:____ Date____ Time____
Recieved by:____ Date____ Time____

Relinquished by:____ Date____ Time____
Recieved by:____ Date____ Time____

Camp Stanley Storage Activity Chain Of Custody

COC ID:	022712APPFA	Relinquish_Date:	2/27/2012	Cooler ID:	A
Project Location:	CSSA	Relinquished_By:	KKC	LabCode:	APPF
Job Number:	748372.06000	Relinquish_Time:	5:00 PM	Carrier:	FedEx
Creation Date:	2/27/2012	Collection Team:	SE_JDB	Airbill Carrier:	876436443220
Task Manager	Laura Marbury	Sample Data Type	Definitive	TAT:	3 Day TAT

Sampler(s): Sam Elliott Julie Bacon

LOCID: B4-NT1-SW8 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:35 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW8_022712_N1035 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-BOT02 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:40 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-BOT02_022712_N1040 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-SW4 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:42 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW4_022712_N1042 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-SW7 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:45 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW7_022712_N1045 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-BOT01 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:50 SACODE: FD SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-BOT01_022712_FD1050 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: B4-NT1-BOT01 LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:50 SACODE: MS SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-BOT01_022712_MS1050 EBLOT: Containers: 0
Remarks: take from parent sample

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

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Relinquished by: Date 2/27/12 Time 1630 Relinquished by: Date Time Relinquished by: Date Time
Recieved by: Date 2/28/12 Time 9:50 Recieved by: Date Time Recieved by: Date Time

Camp Stanley Storage Activity Chain Of Custody

COC ID:	022712APPFA	Relinquish_Date:	2/27/2012	Cooler ID:	A
Project Location:	CSSA	Relinquished_By:	KKC	LabCode:	APPF
Job Number:	748372.06000	Relinquish_Time:	5:00 PM	Carrier:	FedEx
Creation Date:	2/27/2012	Collection Team:	SE_JDB	Airbill Carrier:	876436443220
Task Manager	Laura Marbury	Sample Data Type	Definitive	TAT:	3 Day TAT

Sampler(s): Sam Elliott Julie Boyd

LOCID: **B4-NT1-BOT01** LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:50 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-BOT01_022712_N1050 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: **B4-NT1-BOT01** LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:50 SACODE: SD SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-BOT01_022712_SD1050 EBLOT: Containers: 0
Remarks: take from parent sample

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: **B4-NT1-SW5** LOGDATE: 2/27/2012 MATRIX: SO TBLOT: 27021201
SBD: 0 LOGTIME: 10:55 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW5_022712_N1055 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

LOCID: **B4-WC01** LOGDATE: 2/27/2012 MATRIX: SO TBLOT:
SBD: 0 LOGTIME: 13:10 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-WC01_022712_N1310 EBLOT: Containers: 2
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	TCLP - Silver (Ag)
SW6010B	TCLP - Arsenic (As)	SW6010B	TCLP - Barium (Ba)
SW6010B	TCLP - Cadmium (Cd)	SW6010B	TCLP - Chromium (Cr)
SW6010B	TCLP - Lead (Pb)	SW6010B	TCLP - Selenium (Se)
SW6010B	ZINC	SW7470A	TCLP - Mercury (Hg)
SW7471	MERCURY		

LOCID: **B4-WC02** LOGDATE: 2/27/2012 MATRIX: SO TBLOT:
SBD: 0 LOGTIME: 13:15 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-WC02_022712_N1315 EBLOT: Containers: 2
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	TCLP - Silver (Ag)
SW6010B	TCLP - Arsenic (As)	SW6010B	TCLP - Barium (Ba)
SW6010B	TCLP - Cadmium (Cd)	SW6010B	TCLP - Chromium (Cr)
SW6010B	TCLP - Lead (Pb)	SW6010B	TCLP - Selenium (Se)
SW6010B	ZINC	SW7470A	TCLP - Mercury (Hg)
SW7471	MERCURY		

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Relinquished by: S. Elliott Date 2.27.12 Time 1630
Recieved by: Jenny Z Date 2/28/12 Time 9:50

Relinquished by:____ Date____ Time____
Recieved by:____ Date____ Time____

Relinquished by:____ Date____ Time____
Recieved by:____ Date____ Time____

Camp Stanley Storage Activity Chain Of Custody

COC ID:	022712APPFA	Relinquish_Date:	2/27/2012	Cooler ID:	A
Project Location:	CSSA	Relinquished_By:	KKC	LabCode:	APPF
Job Number:	748372.06000	Relinquish_Time:	5:00 PM	Carrier:	FedEx
Creation Date:	2/27/2012	Collection Team:	SE_JDB	Airbill Carrier:	876436443220
Task Manager	Laura Marbury	Sample Data Type	Definitive	TAT:	3 Day TAT

Sampler(s): Sam Elliott Julie Bouchard

LOCID: **B4-WC03** LOGDATE: 2/27/2012 MATRIX: SO TBLOT:
SBD: 0 LOGTIME: 13:30 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-WC03_022712_N1330 EBLOT:
Remarks:

Containers: 2

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	TCLP - Silver (Ag)
SW6010B	TCLP - Arsenic (As)	SW6010B	TCLP - Barium (Ba)
SW6010B	TCLP - Cadmium (Cd)	SW6010B	TCLP - Chromium (Cr)
SW6010B	TCLP - Lead (Pb)	SW6010B	TCLP - Selenium (Se)
SW6010B	ZINC	SW7470A	TCLP - Mercury (Hg)
SW7471	MERCURY		

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Relinquished by: S. Elliott Date 2.27.12 Time 1630
Recieved by: Young Date 2/28/12 Time 9:50

Relinquished by:____ Date____ Time____
Recieved by:____ Date____ Time____

Relinquished by:____ Date____ Time____
Recieved by:____ Date____ Time____

COOLER RECEIPT FORM

1) Project: 748372.06000 CSSA Date Received: 2/28/12
2) Coolers: Number of Coolers: 1
3) YES NO Were coolers and samples screened for radioactivity?
4) YES NO Were custody seals on outside of cooler? How many? 1 Date on seal? 2/27/12
5) Name on seal? See label
6) YES NO NA Were custody seals unbroken and intact at the time of arrival?
7) YES NO Did the cooler come with a shipping slip (air bill, etc.)? Carrier name: Fed Ex
8) Shipping slip numbers: 1) 8764 3644 3220 2) 3)
9) YES NO NA Was the shipping slip scanned into the database?
10) YES NO NA If cooler belongs to APPL, has it been logged into the ice chest database?
11) Describe type of packing in cooler (bubble wrap, popcorn, type of ice, etc.): bubble bag in Ziploc in wet ice
12) YES NO NA For hand delivered samples was sufficient ice present to start the cooling process?
13) YES NO Was a temperature blank included in the cooler?
14) Serial number of certified NIST thermometer used: 43926 7 Correction factor: 0
15) Cooler temp(s): 1) 2.0°C 2) 3) 4) 5) 6) 7) 8)

Chain of custody:
16) YES NO Was a chain of custody received?
17) YES NO Were the custody papere signed in the appropriate places?
18) YES NO Was the project identifiable from custody papers?
19) YES NO Did the chain of custody include date and time of sampling?
20) YES NO Is location where sample was taken listed on the chain of custody?

Sample Labels:
21) YES NO Were container labels in good condition?
22) YES NO Was the client ID on the label?
23) YES NO Was the date of sampling on the label?
24) YES NO Was the time of sampling on the label?
25) YES NO Did all container labels agree with custody papers?

Sample Containers:
26) YES NO Were all containere sealed in separate bags?
27) YES NO Did all containers arrive unbroken?
28) YES NO Was there any leakage from samples?
29) YES NO Were any of the lids cracked or broken?
30) YES NO Were correct containers used for the tests indicated?
31) YES NO Was a sufficient amount of sample sent for tests indicated?
32) YES NO NA Were bubbles present in volatile samples? If yes, the following were received with air bubbles:
Larger than a pea:
Smaller than a pea: AYW YL 2/28/12 AY55845 W02

Preservation & Hold time:
33) YES NO NA Was a sufficient amount of holding time remaining to analyze the samples?
34) YES NO NA Do the sample containers contain the same preservative as what is stated on the COC?
35) YES NO NA Was the pH taken of all non-VOA preserved samples and written on the sample container?
36) YES NO NA Was the pH of acid preserved non-VOA samples < 2 & sodium hydroxide preserved samples > 12?
37) YES NO NA Unpreserved VOA Vials received?
38) YES NO NA Are unpreserved VOA vials noted in the ADD TEST FIELD on the ARF?

Lab notified if pH was not adequate:
Deficiencies:

Signature of personnel receiving samples: Yang Ro Second reviewer:
Signature of project manager notified: Date and Time of notification:
Name of client notified: Date and Time of notification:
Information given to client:
by whom (initials):

CUSTODY SEAL
APPL, Inc.
(559) 275-2175
Initials JBB
Date 2.27.12

EPA METHOD 8270C
Semivolatile Organic Compounds

EPA METHOD 8270C
Semivolatile Organic Compounds
AFCEE Forms

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 8270C
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120229A-164437
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-SW9	AY55846
B4-NT1-SW6	AY55847
B4-NT1-SW3	AY55848
B4-NT1-BOT03	AY55849
B4-NT1-SW8	AY55850
B4-NT1-BOT02	AY55851
B4-NT1-SW4	AY55852
B4-NT1-SW7	AY55853
B4-NT1-BOT01 FD	AY55854
B4-NT1-BOT01	AY55855
B4-NT1-SW5	AY55856
B4-NT1-SW6 FD	AY55869

Comments: ARF: 67072

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

Signature: _____ Name: Diane Anderson

Date: 3-13-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW9 Lab Sample ID: AY55846 Matrix: Soil
% Solids: 87.3 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		U

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW9 Lab Sample ID: AY55846 Matrix: Soil
% Solids: 87.3 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	59.4	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	56.5	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	63.9	25-135	
SURROGATE: NITROBENZENE-D5 (S)	63.9	25-135	
SURROGATE: PHENOL (S)	69.7	25-135	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW9 Lab Sample ID: AY55846 Matrix: Soil
% Solids: 87.3 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	69.3	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 Lab Sample ID: AY55847 Matrix: Soil
% Solids: 83.2 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		U

Comments:

ARF: 67072

AFCEE FORM O-2

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 Lab Sample ID: AY55847 Matrix: Soil
% Solids: 83.2 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	61.7	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	49.5	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	56.9	25-135	
SURROGATE: NITROBENZENE-D5 (S)	62.0	25-135	
SURROGATE: PHENOL (S)	66.0	25-135	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 Lab Sample ID: AY55847 Matrix: Soil
% Solids: 83.2 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	62.6	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments:

ARF: 67072

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW3 Lab Sample ID: AY55848 Matrix: Soil
% Solids: 88.3 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		U

Comments:

ARF: 67072

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW3 Lab Sample ID: AY55848 Matrix: Soil
% Solids: 88.3 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	60.3	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	58.8	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	59.4	25-135	
SURROGATE: NITROBENZENE-D5 (S)	66.4	25-135	
SURROGATE: PHENOL (S)	67.8	25-135	

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: BPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW3 Lab Sample ID: AY55848 Matrix: Soil
% Solids: 88.3 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	66.0	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments:

ARF: 67072

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT03 Lab Sample ID: AY55849 Matrix: Soil
% Solids: 89.4 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		U

Comments:

ARF: 67072

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT03 Lab Sample ID: AY55849 Matrix: Soil
% Solids: 89.4 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	48.2	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	45.8	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	44.2	25-135	
SURROGATE: NITROBENZENE-D5 (S)	49.7	25-135	
SURROGATE: PHENOL (S)	51.3	25-135	

Comments:

ARF: 67072

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT03 Lab Sample ID: AY55849 Matrix: Soil
% Solids: 89.4 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	56.8	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments:

ARF: 67072

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW8 Lab Sample ID: AY55850 Matrix: Soil
% Solids: 85.5 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW8 Lab Sample ID: AY55850 Matrix: Soil
% Solids: 85.5 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	56.3	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	51.3	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	49.9	25-135	
SURROGATE: NITROBENZENE-D5 (S)	56.7	25-135	
SURROGATE: PHENOL (S)	58.9	25-135	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW8 Lab Sample ID: AY55850 Matrix: Soil
% Solids: 85.5 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	64.7	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT02 Lab Sample ID: AY55851 Matrix: Soil
% Solids: 95.8 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT02 Lab Sample ID: AY55851 Matrix: Soil
% Solids: 95.8 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	63.9	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	57.4	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	59.3	25-135	
SURROGATE: NITROBENZENE-D5 (S)	62.3	25-135	
SURROGATE: PHENOL (S)	66.9	25-135	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT02 Lab Sample ID: AY55851 Matrix: Soil
% Solids: 95.8 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	69.0	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW4 Lab Sample ID: AY55852 Matrix: Soil
% Solids: 92.2 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW4 Lab Sample ID: AY55852 Matrix: Soil
% Solids: 92.2 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	62.4	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	59.9	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	64.4	25-135	
SURROGATE: NITROBENZENE-D5 (S)	67.9	25-135	
SURROGATE: PHENOL (S)	72.4	25-135	

Comments:

ARF: 67072

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW4 Lab Sample ID: AY55852 Matrix: Soil
% Solids: 92.2 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	73.0	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments:

ARF: 67072

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW7 Lab Sample ID: AY55853 Matrix: Soil
% Solids: 87.7 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		U

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW7 Lab Sample ID: AY55853 Matrix: Soil
% Solids: 87.7 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	62.5	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	53.6	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	53.0	25-135	
SURROGATE: NITROBENZENE-D5 (S)	59.1	25-135	
SURROGATE: PHENOL (S)	61.6	25-135	

Comments:

ARF: 67072

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW7 Lab Sample ID: AY55853 Matrix: Soil
% Solids: 87.7 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	71.1	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments:

ARF: 67072

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 FD Lab Sample ID: AY55854 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 FD Lab Sample ID: AY55854 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	54.7	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	51.9	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	51.6	25-135	
SURROGATE: NITROBENZENE-D5 (S)	54.6	25-135	
SURROGATE: PHENOL (S)	58.2	25-135	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID: B4-NT1-BOT01 FD Lab Sample ID: AY55854 Matrix: Soil

% Solids: 92.9 Initial Calibration ID: Y120301B

Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12

Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	65.6	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 Lab Sample ID: AY55855 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		M

Comments: M = Matrix effect.

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AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 Lab Sample ID: AY55855 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	67.5	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	63.8	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	69.3	25-135	
SURROGATE: NITROBENZENE-D5 (S)	70.3	25-135	
SURROGATE: PHENOL (S)	76.1	25-135	

Comments: M = Matrix effect.

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 Lab Sample ID: AY55855 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	76.4	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments: M = Matrix effect.
ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW5 Lab Sample ID: AY55856 Matrix: Soil
% Solids: 92.8 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		U

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW5 Lab Sample ID: AY55856 Matrix: Soil
% Solids: 92.8 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	58.8	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	56.5	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	59.3	25-135	
SURROGATE: NITROBENZENE-D5 (S)	63.0	25-135	
SURROGATE: PHENOL (S)	66.6	25-135	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW5 Lab Sample ID: AY55856 Matrix: Soil
% Solids: 92.8 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	65.7	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 FD Lab Sample ID: AY55869 Matrix: Soil
% Solids: 85.4 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		U

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 FD Lab Sample ID: AY55869 Matrix: Soil
% Solids: 85.4 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	63.8	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	57.1	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	59.1	25-135	
SURROGATE: NITROBENZENE-D5 (S)	63.7	25-135	
SURROGATE: PHENOL (S)	67.4	25-135	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120229A-164437
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 FD Lab Sample ID: AY55869 Matrix: Soil
% Solids: 85.4 Initial Calibration ID: Y120301B
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	66.0	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: EPA 8270C
AAB #: 120229A-164437
Lab Name: APPL, Inc.
Contract #: *G012
Instrument ID: YODA
Date of Initial Calibration: 01-Mar-12
Initial Calibration ID: Y120301B
Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	Std 9	RF 9
Hexachlorocyclopentadiene *	5.0		10.0	0.218	20.0	0.259	40.0	0.283	50.0	0.305	60.0	0.318	80.0	0.324	100.0	0.319		
n-Nitrosodi-n-propylamine *	5.0	1.572	10.0	1.610	20.0	1.451	40.0	1.323	50.0	1.328	60.0	1.159	80.0		100.0			
2,4-Dinitrophenol *	5.0		10.0	0.098	20.0	0.152	40.0	0.192	50.0	0.217	60.0	0.245	80.0	0.245	100.0	0.244		
4-Nitrophenol *	5.0		10.0	0.119	20.0	0.138	40.0	0.155	50.0	0.162	60.0	0.173	80.0	0.177	100.0	0.174		
1,4-DCB #	5.0	2.247	10.0	2.247	20.0	2.022	40.0	1.858	50.0	1.890	60.0	1.886	80.0	1.848	100.0	1.813		
Acenaphthene #	5.0	1.651	10.0	1.591	20.0	1.482	40.0	1.349	50.0	1.382	60.0	1.332	80.0	1.358	100.0	1.252		
Benzo (a) pyrene #	5.0	1.259	10.0	1.385	20.0	1.281	40.0	1.239	50.0	1.253	60.0	1.274	80.0	1.242	100.0	1.161		
Di-n-octylphthalate #	5.0	1.626	10.0	1.712	20.0	1.674	40.0	1.630	50.0	1.668	60.0	1.653	80.0	1.695	100.0	1.637		
Fluoranthene #	5.0	1.463	10.0	1.488	20.0	1.432	40.0	1.325	50.0	1.318	60.0	1.305	80.0	1.352	100.0	1.188		
Hexachlorobutadiene #	5.0	0.218	10.0	0.217	20.0	0.202	40.0	0.188	50.0	0.188	60.0	0.191	80.0	0.182	100.0	0.181		
n-Nitrosodiphenylamine #	5.0	0.557	10.0	0.546	20.0	0.507	40.0	0.439	50.0	0.434	60.0	0.454	80.0	0.46	100.0	0.415		
2,4,6-Trichlorophenol #	5.0	0.453	10.0	0.474	20.0	0.447	40.0	0.430	50.0	0.435	60.0	0.456	80.0	0.438	100.0	0.427		
2,4-Dichlorophenol #	5.0	0.371	10.0	0.398	20.0	0.370	40.0	0.348	50.0	0.349	60.0	0.353	80.0	0.344	100.0	0.324		
2-Nitrophenol #	5.0	0.253	10.0	0.266	20.0	0.260	40.0	0.245	50.0	0.248	60.0	0.254	80.0	0.252	100.0	0.247		
4-Chloro-3-methylphenol #	5.0	0.382	10.0	0.405	20.0	0.383	40.0	0.370	50.0	0.371	60.0	0.385	80.0	0.371	100.0	0.37		
Pentachlorophenol #	5.0	0.104	10.0	0.121	20.0	0.132	40.0	0.140	50.0	0.141	60.0	0.153	80.0	0.155	100.0	0.15		
Phenol #	5.0	2.478	10.0	2.543	20.0	2.398	40.0	2.244	50.0	2.259	60.0	2.341	80.0	2.21	100.0	2.18		

* SPCCs # CCCs

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: EPA 8270C

Lab Name: APPL, Inc.

Instrument ID: YODA

Initial Calibration ID: Y120301B

AAB #: 120229A-164437

Contract #: *G012

Date of Initial Calibration: 01-Mar-12

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
Hexachlorocyclopentadiene *	13.5				
n-Nitrosodi-n-propylamine *	12.1				
2,4-Dinitrophenol *	28.3		0.9960		
4-Nitrophenol *	13.8				
1,4-DCB #	8.8				
Acenaphthene #	9.8				
Benzo (a) pyrene #	4.9				
Di-n-octylphthalate #	1.9				
Fluoranthene #	7.2				
Hexachlorobutadiene #	7.5				
n-Nitrosodiphenylamine #	11.2				
2,4,6-Trichlorophenol #	3.6				
2,4-Dichlorophenol #	6.2				
2-Nitrophenol #	2.7				
4-Chloro-3-methylphenol #	3.2				
Pentachlorophenol #	12.7				
Phenol #	5.6				

* SPCCs # CCCs

Comments:

AFCEE FORM O-3A Page ____ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: EPA 8270C AAB #: 120229A-164437

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: YODA Date of Initial Calibration: 01-Mar-12

Initial Calibration ID: Y120301B Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	Std 9	RF 9
1,2,4-Trichlorobenzene	5.0	0.430	10.0	0.435	20.0	0.390	40.0	0.368	50.0	0.389	60.0	0.379	80.0	0.369	100.0	0.358		
1,2-DCB	5.0	2.049	10.0	2.061	20.0	1.888	40.0	1.714	50.0	1.748	60.0	1.797	80.0	1.691	100.0	1.661		
1,3-DCB	5.0	2.120	10.0	2.159	20.0	1.974	40.0	1.838	50.0	1.852	60.0	1.931	80.0	1.829	100.0	1.793		
2,4-DNT	5.0	0.530	10.0	0.575	20.0	0.550	40.0	0.524	50.0	0.519	60.0	0.557	80.0	0.530	100.0	0.499		
2,6-DNT	5.0	0.394	10.0	0.394	20.0	0.405	40.0	0.386	50.0	0.378	60.0	0.399	80.0	0.371	100.0	0.376		
2-Chloronaphthalene	5.0	1.657	10.0	1.634	20.0	1.488	40.0	1.361	50.0	1.364	60.0	1.412	80.0	1.323	100.0	1.312		
2-Methylnaphthalene	5.0	0.975	10.0	1.006	20.0	0.930	40.0	0.849	50.0	0.854	60.0	0.872	80.0	0.872	100.0	0.803		
2-Nitroaniline	5.0	0.548	10.0	0.571	20.0	0.552	40.0	0.534	50.0	0.547	60.0	0.543	80.0	0.550	100.0	0.545		
3-Nitroaniline	5.0	0.581	10.0	0.546	20.0	0.529	40.0	0.517	50.0	0.518	60.0	0.518	80.0	0.513	100.0	0.494		
3,3'-Dichlorobenzidine	5.0	0.418	10.0	0.432	20.0	0.450	40.0	0.441	50.0	0.445	60.0	0.433	80.0	0.426	100.0	0.400		
4-Bromophenyl phenyl ether	5.0	0.254	10.0	0.258	20.0	0.236	40.0	0.218	50.0	0.214	60.0	0.220	80.0	0.225	100.0	0.201		
4-Chloroaniline	5.0	0.488	10.0	0.522	20.0	0.512	40.0	0.465	50.0	0.467	60.0	0.481	80.0	0.426	100.0	0.416		
4-Chlorophenyl phenyl ether	5.0	0.904	10.0	0.896	20.0	0.816	40.0	0.746	50.0	0.754	60.0	0.748	80.0	0.770	100.0	0.670		
4-Nitroaniline	5.0	0.447	10.0	0.433	20.0	0.429	40.0	0.414	50.0	0.418	60.0	0.430	80.0	0.435	100.0	0.395		
Acenaphthylene	5.0	2.668	10.0	2.644	20.0	2.530	40.0	2.277	50.0	2.294	60.0	2.320	80.0	2.330	100.0	2.132		
Anthracene	5.0	1.592	10.0	1.565	20.0	1.425	40.0	1.299	50.0	1.302	60.0	1.292	80.0	1.306	100.0	1.166		
Benz (a) anthracene	5.0	1.370	10.0	1.401	20.0	1.304	40.0	1.221	50.0	1.240	60.0	1.264	80.0	1.199	100.0	1.237		
Benzo (b) fluoranthene	5.0	1.503	10.0	1.554	20.0	1.318	40.0	1.261	50.0	1.284	60.0	1.477	80.0		100.0			
Benzo (g,h,i) perylene	5.0	1.193	10.0	1.249	20.0	1.164	40.0	1.133	50.0	1.136	60.0	1.162	80.0	1.151	100.0	1.106		
Benzyl alcohol	5.0	1.360	10.0	1.426	20.0	1.338	40.0	1.257	50.0	1.271	60.0	1.335	80.0	1.280	100.0	1.252		
Bis (2-chloroethoxy) methane	5.0	0.537	10.0	0.532	20.0	0.506	40.0	0.473	50.0	0.468	60.0	0.478	80.0	0.478	100.0	0.447		
Bis (2-chloroethyl) ether	5.0	1.303	10.0	1.294	20.0	1.245	40.0	1.191	50.0	1.247	60.0	1.685	80.0	1.593	100.0	1.587		
Bis (2-chloroisopropyl) ether	5.0	3.014	10.0	2.993	20.0	2.736	40.0	2.470	50.0	2.475	60.0	2.589	80.0	2.401	100.0	2.302		
Bis (2-ethylhexyl) phthalate	5.0	1.103	10.0	1.137	20.0	1.051	40.0	1.000	50.0	1.009	60.0	1.016	80.0	0.997	100.0	0.995		
Butyl benzylphthalate	5.0	0.688	10.0	0.710	20.0	0.708	40.0	0.690	50.0	0.695	60.0	0.718	80.0	0.654	100.0	0.724		
Chrysene	5.0	1.560	10.0	1.505	20.0	1.365	40.0	1.252	50.0	1.296	60.0	1.270	80.0	1.318	100.0	1.232		
Di-n-butylphthalate	5.0	1.550	10.0	1.597	20.0	1.489	40.0	1.387	50.0	1.366	60.0	1.405	80.0	1.497	100.0	1.299		
Dibenz (a,h) anthracene	5.0	1.148	10.0	1.228	20.0	1.206	40.0	1.165	50.0	1.163	60.0	1.205	80.0	1.199	100.0	1.113		
Dibenzofuran	5.0	0.788	10.0	0.809	20.0	1.042	40.0	1.018	50.0	1.025	60.0	1.060	80.0	1.021	100.0	1.028		
Diethyl phthalate	5.0	1.809	10.0	1.789	20.0	1.664	40.0	1.543	50.0	1.553	60.0	1.605	80.0	1.585	100.0	1.527		
Dimethyl phthalate	5.0	1.800	10.0	1.802	20.0	1.693	40.0	1.544	50.0	1.551	60.0	1.642	80.0	1.568	100.0	1.562		
Fluorene	5.0	1.716	10.0	1.732	20.0	1.575	40.0	1.440	50.0	1.437	60.0	1.518	80.0	1.419	100.0	1.372		
Hexachlorobenzene	5.0	0.276	10.0	0.277	20.0	0.253	40.0	0.234	50.0	0.235	60.0	0.241	80.0	0.237	100.0	0.223		
Hexachloroethane	5.0	0.749	10.0	0.743	20.0	0.686	40.0	0.634	50.0	0.643	60.0	0.668	80.0	0.630	100.0	0.594		
Indeno (1,2,3-cd) pyrene	5.0	1.333	10.0	1.382	20.0	1.332	40.0	1.302	50.0	1.344	60.0	1.415	80.0	1.380	100.0	1.400		
Isophorone	5.0	0.887	10.0	0.892	20.0	0.819	40.0	0.774	50.0	0.783	60.0	0.813	80.0	0.797	100.0	0.776		
Naphthalene	5.0	1.525	10.0	1.520	20.0	1.382	40.0	1.277	50.0	1.271	60.0	1.323	80.0	1.221	100.0	1.212		
Nitrobenzene	5.0	0.488	10.0	0.507	20.0	0.463	40.0	0.436	50.0	0.439	60.0	0.451	80.0	0.433	100.0	0.437		
Phenanthrene	5.0	1.593	10.0	1.541	20.0	1.378	40.0	1.230	50.0	1.210	60.0	1.288	80.0	1.221	100.0	1.187		
Pyrene	5.0	1.692	10.0	1.738	20.0	1.640	40.0	1.511	50.0	1.535	60.0	1.521	80.0	1.523	100.0	1.443		
2,4,5-Trichlorophenol	5.0	0.510	10.0	0.508	20.0	0.485	40.0	0.467	50.0	0.475	60.0	0.469	80.0	0.452	100.0	0.439		
2,4-Dimethylphenol	5.0	0.482	10.0	0.482	20.0	0.449	40.0	0.418	50.0	0.415	60.0	0.440	80.0	0.416	100.0	0.408		
2-Chlorophenol	5.0	1.829	10.0	1.904	20.0	1.769	40.0	1.644	50.0	1.659	60.0	1.737	80.0	1.647	100.0	1.617		
2-Methylphenol	5.0	1.746	10.0	1.771	20.0	1.615	40.0	1.509	50.0	1.517	60.0	1.585	80.0	1.489	100.0	1.449		
4,6-Dinitro-2-methylphenol	5.0		10.0	0.147	20.0	0.168	40.0	0.171	50.0	0.178	60.0	0.188	80.0	0.189	100.0	0.178		
Benzoic acid	5.0	0.047	10.0	0.175	20.0	0.192	40.0	0.205	50.0	0.235	60.0	0.250	80.0	0.255	100.0	0.263		
2,4,6-Tribromophenol(S)	5.0	0.173	10.0	0.184	20.0	0.173	40.0	0.168	50.0	0.165	60.0	0.168	80.0	0.168	100.0	0.161		
2-Fluorobiphenyl(S)	5.0	1.590	10.0	1.615	20.0	1.439	40.0	1.352	50.0	1.321	60.0	1.338	80.0	1.321	100.0	1.220		
2-Fluorophenol (S)	5.0	1.584	10.0	1.594	20.0	1.463	40.0	1.431	50.0	1.385	60.0	1.455	80.0	1.391	100.0	1.349		
Nitrobenzene-D5(S)	5.0	0.410	10.0	0.415	20.0	0.382	40.0	0.374	50.0	0.380	60.0	0.373	80.0	0.369	100.0	0.353		
Phenol-D6 (S)	5.0	1.835	10.0	1.901	20.0	1.763	40.0	1.708	50.0	1.650	60.0	1.723	80.0	1.633	100.0	1.582		
Terphenyl-D14(S)	5.0	0.897	10.0	0.930	20.0	0.847	40.0	0.819	50.0	0.788	60.0	0.824	80.0	0.805	100.0	0.775		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: EPA 8270C
AAB #: 120229A-164437
Lab Name: APPL, Inc.
Contract #: *G012
Instrument ID: YODA
Date of Initial Calibration: 01-Mar-12
Initial Calibration ID: Y120301B
Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
1,2,4-Trichlorobenzene	7.8				
1,2-DCB	8.6				
1,3-DCB	7.1				
2,4-DNT	4.5				
2,6-DNT	3.1				
2-Chloronaphthalene	9.4				
2-Methylnaphthalene	7.8				
2-Nitroaniline	1.9				
3-Nitroaniline	5.0				
3,3'-Dichlorobenzidine	3.7				
4-Bromophenyl phenyl ether	8.6				
4-Chloroaniline	7.9				
4-Chlorophenyl phenyl ether	10.1				
4-Nitroaniline	3.7				
Acenaphthylene	8.0				
Anthracene	10.8				
Benz (a) anthracene	5.7				
Benzo (b) fluoranthene	9.0				
Benzo (g,h,i) perylene	3.8				
Benzyl alcohol	4.6				
Bis (2-chloroethoxy) methane	6.5				
Bis (2-chloroethyl) ether	13.8				
Bis (2-chloroisopropyl) ether	10.2				
Bis (2-ethylhexyl) phthalate	6.2				
Butyl benzylphthalate	3.2				
Chrysene	9.0				
Di-n-butylphthalate	7.0				
Dibenz (a,h) anthracene	3.2				
Dibenzofuran	11.2				
Diethyl phthalate	6.7				
Dimethyl phthalate	6.6				
Fluorene	9.0				
Hexachlorobenzene	8.1				
Hexachloroethane	8.3				
Indeno (1,2,3-cd) pyrene	2.9				
Isophorone	5.3				
Naphthalene	9.3				
Nitrobenzene	6.0				
Phenanthrene	11.9				
Pyrene	6.5				
2,4,5-Trichlorophenol	5.3				
2,4-Dimethylphenol	6.8				
2-Chlorophenol	5.9				
2-Methylphenol	7.5				
4,6-Dinitro-2-methylphenol	8.1				
Benzoic acid	34.8		0.998		
2,4,6-Tribromophenol(S)	4.0				
2-Fluorobiphenyl(S)	9.9				
2-Fluorophenol (S)	6.2				
Nitrobenzene-D5(S)	5.8				
Phenol-D6 (S)	6.2				

*SPCCs #CCCs

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: EPA 8270C

AAB #: 120229A-164437

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: YODA

Date of Initial Calibration: 01-Mar-12

Initial Calibration ID: Y120301B

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
Terphenyl-D14(S)	6.4				

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method: EPA 8270C
AAB #: 120229A-164437

Lab Name: APPL, Inc.
Contract #: *G012

Instrument ID: YODA
Initial Calibration ID: Y120301B

2nd Source ID: 0301Y010.D
Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Expected	Found	%D	Q
1,2,4-Trichlorobenzene	50.00	49.29	1.4	
1,2-DCB	50.00	47.41	5.2	
1,3-DCB	50.00	48.23	3.5	
1,4-DCB	50.00	47.40	5.2	
2,4-DNT	50.00	49.37	1.3	
2,6-DNT	50.00	48.74	2.5	
2-Chloronaphthalene	50.00	48.13	3.7	
2-Methylnaphthalene	50.00	48.66	2.7	
2-Nitroaniline	50.00	50.65	1.3	
3-Nitroaniline	50.00	49.56	0.9	
3,3'-Dichlorobenzidine	50.00	52.56	5.1	
4-Bromophenyl phenyl ethe	50.00	48.19	3.6	
4-Chloroaniline	50.00	51.34	2.7	
4-Chlorophenyl phenyl ethe	50.00	47.38	5.2	
4-Nitroaniline	50.00	51.13	2.3	
Acenaphthylene	50.00	48.72	2.6	
Acenaphthene	50.00	47.99	4.0	
Anthracene	50.00	48.70	2.6	
Benz (a) anthracene	50.00	49.31	1.4	
Benzo (a) pyrene	50.00	50.29	0.6	
Benzo (b) fluoranthene	50.00	54.60	9.2	
Benzo (g,h,i) perylene	50.00	48.77	2.5	
Benzyl alcohol	50.00	48.30	3.4	
Bis (2-chloroethoxy) metha	50.00	50.14	0.3	
Bis (2-chloroethyl) ether	50.00	44.34	11	
Bis (2-chloroisopropyl) eth	50.00	47.19	5.6	
Bis (2-ethylhexyl) phthalate	50.00	50.38	0.8	
Butyl benzylphthalate	50.00	51.40	2.8	
Chrysene	50.00	48.67	2.7	
Di-n-butylphthalate	50.00	48.68	2.6	
Di-n-octylphthalate	50.00	50.55	1.1	
Dibenz (a,h) anthracene	50.00	51.94	3.9	
Dibenzofuran	50.00	54.56	9.1	
Diethyl phthalate	50.00	48.90	2.2	
Dimethyl phthalate	50.00	48.25	3.5	
Fluoranthene	50.00	49.58	0.8	
Fluorene	50.00	48.60	2.8	
Hexachlorobenzene	50.00	49.19	1.6	
Hexachlorobutadiene	50.00	47.81	4.4	
Hexachlorocyclopentadiene	50.00	52.38	4.8	
Hexachloroethane	50.00	48.39	3.2	
Indeno (1,2,3-cd) pyrene	50.00	51.42	2.8	
Isophorone	50.00	49.33	1.3	
n-Nitrosodiphenylamine	50.00	49.06	1.9	
n-Nitrosodi-n-propylamine	50.00	47.41	5.2	
Naphthalene	50.00	49.46	1.1	

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method: EPA 8270C

AAB #: 120229A-164437

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: YODA

Initial Calibration ID: Y120301B

2nd Source ID: 0301Y010.D

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Expected	Found	%D	Q
Nitrobenzene	50.00	49.50	1.0	
Phenanthrene	50.00	47.03	5.9	
Pyrene	50.00	48.42	3.2	
2,4,5-Trichlorophenol	50.00	51.05	2.1	
2,4,6-Trichlorophenol	50.00	50.07	0.1	
2,4-Dichlorophenol	50.00	49.66	0.7	
2,4-Dimethylphenol	50.00	49.23	1.5	
2,4-Dinitrophenol	50.00	52.81	5.6	
2-Chlorophenol	50.00	47.96	4.1	
2-Methylphenol	50.00	47.56	4.9	
2-Nitrophenol	50.00	50.76	1.5	
4,6-Dinitro-2-methylpheno	50.00	54.35	8.7	
4-Chloro-3-methylphenol	50.00	49.79	0.4	
4-Nitrophenol	50.00	53.39	6.8	
Benzoic acid	50.00	40.37	19	
Pentachlorophenol	50.00	56.49	13	
Phenol	50.00	47.50	5.0	

Comments:

AFCEE FORM O-4 Page ___ of _____

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION-GC/MS ANALYSIS

Analytical Method: EPA 8270C AAB #: 120229A-164437

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: YODA Initial Calibration ID: Y120301B

ICV ID: 0302Y002.D CCV #1 ID: CCV #2 ID:

Analyte	ICV		CCV #1		CCV #2		
	RF	% D	RF	% D	RF	% D	Q
Hexachlorocyclopentadiene *	0.277618	4.1					
n-Nitrosodi-n-propylamine *	1.28767	8.5					
2,4-Dinitrophenol *	0.174268	12					
4-Nitrophenol *	0.141963	9.5					
1,4-DCB #	1.84758	7.1					
Acenaphthene #	1.33139	6.4					
Benzo (a) pyrene #	1.22371	3.0					
Di-n-octylphthalate #	1.64292	1.1					
Fluoranthene #	1.27834	5.9					
Hexachlorobutadiene #	0.184346	5.8					
n-Nitrosodiphenylamine #	0.419342	12					
2,4,6-Trichlorophenol #	0.422489	5.0					
2,4-Dichlorophenol #	0.342202	4.1					
2-Nitrophenol #	0.243293	3.9					
4-Chloro-3-methylphenol #	0.366309	3.5					
Pentachlorophenol #	0.144587	5.5					
Phenol #	2.16046	7.3					

* SPCCs # CCCs

Comments:

AFCEE FORM O-5A Page ___ of _____

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: EPA 8270C AAB #: 120229A-164437

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: YODA Initial Calibration ID: Y120301B

ICV ID: 0302Y002.D CCV #1 ID: CCV #2 ID:

Analyte	ICV %D or % drift	CCV#1 %D or % drift	CCV#2 %D or % drift	Q
1,2,4-Trichlorobenzene	5.7			
1,2-DCB	7.4			
1,3-DCB	7.3			
2,4-DNT	5.9			
2,6-DNT	4.5			
2-Chloronaphthalene	6.8			
2-Methylnaphthalene	6.2			
2-Nitroaniline	2.7			
3-Nitroaniline	3.2			
3,3'-Dichlorobenzidine	1.0			
4-Bromophenyl phenyl ether	7.1			
4-Chloroaniline	3.8			
4-Chlorophenyl phenyl ether	7.1			
4-Nitroaniline	6.2			
Acenaphthylene	6.2			
Anthracene	7.2			
Benz (a) anthracene	4.6			
Benzo (k) fluoranthene	2.0			
Benzo (b) fluoranthene	11			
Benzo (g,h,i) perylene	1.9			
Benzyl alcohol	7.3			
Bis (2-chloroethoxy) methane	3.5			
Bis (2-chloroethyl) ether	14			
Bis (2-chloroisopropyl) ether	6.6			
Bis (2-ethylhexyl) phthalate	6.7			
Butyl benzylphthalate	0.0			
Chrysene	5.6			
Di-n-butylphthalate	4.4			
Dibenz (a,h) anthracene	2.3			
Dibenzofuran	1.7			
Diethyl phthalate	7.3			
Dimethyl phthalate	6.8			
Fluorene	7.3			
Hexachlorobenzene	5.3			
Hexachloroethane	7.1			
Indeno (1,2,3-cd) pyrene	1.8			
Isophorone	4.2			
Naphthalene	5.0			

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: EPA 8270C

AAB #: 120229A-164437

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: YODA

Initial Calibration ID: Y120301B

ICV ID: 0302Y002.D

CCV #1 ID:

CCV #2 ID:

Analyte	ICV %D or % drift	CCV#1 %D or % drift	CCV#2 %D or % drift	Q
Nitrobenzene	2.8			
Phenanthrene	12			
Pyrene	3.4			
2,4,5-Trichlorophenol	3.6			
2,4-Dimethylphenol	5.8			
2-Chlorophenol	7.4			
2-Methylphenol	8.7			
4,6-Dinitro-2-methylphenol	3.5			
Benzoic acid	18			

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8270C
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: Y120301B

AAB #: 120229A-164437
Contract #: *G012
Method Blank ID: 120229A-BLK 1/30 with W-3/7/12

Analyte	Method Blank	RL	Q
1,2,4-TRICHLOROBENZENE	< RL	0.7	U
1,2-DCB	< RL	0.7	U
1,3-DCB	< RL	0.7	U
1,4-DCB	< RL	0.7	U
2,4,5-TRICHLOROPHENOL	< RL	3.3	U
2,4,6-TRICHLOROPHENOL	< RL	0.3	U
2,4-DICHLOROPHENOL	< RL	0.3	U
2,4-DIMETHYLPHENOL	< RL	0.3	U
2,4-DINITROPHENOL	< RL	3.3	U
2,4-DNT	< RL	0.7	U
2,6-DNT	< RL	0.7	U
2-CHLORONAPHTHALENE	< RL	0.7	U
2-CHLOROPHENOL	< RL	0.3	U
2-METHYLNAPHTHALENE	< RL	0.7	U
2-METHYLPHENOL	< RL	0.3	U
2-NITROANILINE	< RL	3.3	U
2-NITROPHENOL	< RL	0.3	U
3,3'-DICHLOROBENZIDINE	< RL	1.3	U
3-NITROANILINE	< RL	3.3	U
4,6-DINITRO-2-METHYLPHENOL	< RL	3.3	U
4-BROMOPHENYL PHENYL ETHER	< RL	0.7	U
4-CHLORO-3-METHYLPHENOL	< RL	1.3	U
4-CHLOROANILINE	< RL	1.3	U
4-CHLOROPHENYL PHENYL ETHER	< RL	0.7	U
4-METHYLPHENOL	< RL	0.3	U
4-NITROANILINE	< RL	3.3	U
4-NITROPHENOL	< RL	1.6	U
ACENAPHTHENE	< RL	0.7	U
ACENAPHTHYLENE	< RL	0.7	U
ANTHRACENE	< RL	0.7	U
BENZ (A) ANTHRACENE	< RL	0.7	U
BENZO (A) PYRENE	< RL	0.7	U
BENZO (B) FLUORANTHENE	< RL	0.7	U
BENZO (G,H,I) PERYLENE	< RL	0.7	U
BENZOIC ACID	< RL	1.6	U
BENZYL ALCOHOL	< RL	1.3	U
BIS (2-CHLOROETHOXY) METHANE	< RL	0.7	U
BIS (2-CHLOROETHYL) ETHER	< RL	0.7	U
BIS (2-CHLOROISOPROPYL) ETHER	< RL	0.7	U
BIS (2-ETHYLHEXYL) PHTHALATE	< RL	0.7	U
BUTYLBENZYLPHTHALATE	< RL	0.7	U

Comments: ARF: 67072, Sample: AY55855

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8270C
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: Y120301B

AAB #: 120229A-164437
Contract #: *G012
Method Blank ID: 120229A-BLK 1/30 ads 1/30/12

Analyte	Method Blank	RL	Q
CHRYSENE	< RL	0.7	U
DI-N-BUTYLPHTHALATE	< RL	0.7	U
DI-N-OCTYLPHTHALATE	< RL	0.7	U
DIBENZ (A,H) ANTHRACENE	< RL	0.7	U
DIBENZOFURAN	< RL	0.7	U
DIETHYL PHTHALATE	< RL	0.7	U
DIMETHYLPHTHALATE	< RL	0.7	U
FLUORANTHENE	< RL	0.7	U
FLUORENE	< RL	0.7	U
HEXACHLOROBENZENE	< RL	0.7	U
HEXACHLOROBUTADIENE	< RL	0.7	U
HEXACHLOROCYCLOPENTADIENE	< RL	0.7	U
HEXACHLOROETHANE	< RL	0.7	U
INDENO (1,2,3-CD) PYRENE	< RL	0.7	U
ISOPHORONE	< RL	0.7	U
N-NITROSODI-N-PROPYLAMINE	< RL	0.7	U
N-NITROSODIPHENYLAMINE	< RL	0.7	U
NAPHTHALENE	< RL	0.7	U
NITROBENZENE	< RL	0.7	U
PENTACHLOROPHENOL	< RL	3.3	U
PHENANTHRENE	< RL	0.7	U
PHENOL	< RL	0.3	U
PYRENE	< RL	0.7	U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHEN	67.6	25-144	
SURROGATE: 2-FLUORBIPHENYL (S	67.8	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	69.7	25-135	
SURROGATE: NITROBENZENE-D5 (S	70.5	25-135	
SURROGATE: PHENOL (S)	74.3	25-135	
SURROGATE: TERPHENYL-D14 (S)	78.0	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments: ARF: 67072, Sample: AY55855

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8270C
AAB #: 120229A-164437

Lab Name: APPL, Inc
Contract #: *G012

LCS ID: 120229A LCS -1 1/30 ddh IF 3/7/12
Initial Calibration ID: Y120301B

Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
1,2,4-TRICHLOROBENZENE	1.67	0.93	55.7	34-152	
1,2-DCB	1.67	0.94	56.3	32-135	
1,3-DCB	1.67	0.93	55.7	26-135	
1,4-DCB	1.67	0.92	55.1	25-135	
2,4,5-TRICHLOROPHENOL	1.67	0.94	56.3	25-175	
2,4,6-TRICHLOROPHENOL	1.67	0.95	56.9	29-138	
2,4-DICHLOROPHENOL	1.67	0.97	58.1	36-135	
2,4-DIMETHYLPHENOL	1.67	0.89	53.3	35-149	
2,4-DINITROPHENOL	1.67	0.77	46.1	25-161	
2,4-DNT	1.67	0.95	56.9	29-149	
2,6-DNT	1.67	0.93	55.7	41-135	
2-CHLORONAPHTHALENE	1.67	0.94	56.3	50-135	
2-CHLOROPHENOL	1.67	1.00	59.9	31-135	
2-METHYLNAPHTHALENE	1.67	1.00	59.9	31-135	
2-METHYLPHENOL	1.67	0.99	59.3	25-135	
2-NITROANILINE	1.67	0.94	56.3	40-135	
2-NITROPHENOL	1.67	0.96	57.5	34-135	
3,3'-DICHLOROBENZIDINE	1.67	0.74	44.3	25-175	
3-NITROANILINE	1.67	0.90	53.9	41-135	
4,6-DINITRO-2-METHYLPHENOL	1.67	0.88	52.7	25-144	
4-BROMOPHENYL PHENYL ETHER	1.67	0.95	56.9	43-137	
4-CHLORO-3-METHYLPHENOL	1.67	0.98	58.7	34-135	
4-CHLOROANILINE	1.67	0.92	55.1	35-146	
4-CHLOROPHENYL PHENYL ETHER	1.67	0.98	58.7	41-142	
4-METHYLPHENOL	3.33	1.99	59.8	25-135	
4-NITROANILINE	1.67	0.88	52.7	30-153	
4-NITROPHENOL	1.67	0.88	52.7	25-141	
ACENAPHTHENE	1.67	0.93	55.7	39-135	
ACENAPHTHYLENE	1.67	0.93	55.7	37-135	
ANTHRACENE	1.67	0.91	54.5	35-175	
BENZ (A) ANTHRACENE	1.67	0.95	56.9	41-143	
BENZO (A) PYRENE	1.67	0.96	57.5	31-135	
BENZO (B) FLUORANTHENE	1.67	0.96	57.5	27-135	
BENZO (G,H,I) PERYLENE	1.67	0.98	58.7	25-159	
BENZOIC ACID	1.67	0.60	35.9	25-172	
BENZYL ALCOHOL	1.67	1.04	62.3	25-135	
BIS (2-CHLOROETHOXY) METHANE	1.67	0.97	58.1	39-135	
BIS (2-CHLOROETHYL) ETHER	1.67	0.94	56.3	34-135	
BIS (2-CHLOROISOPROPYL) ETHER	1.67	1.02	61.1	26-175	
BIS (2-ETHYLHEXYL) PHTHALATE	1.67	0.93	55.7	25-139	

Comments: ARF: 67072, QC Sample ID: AY55855

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8270C
Lab Name: APPL, Inc
LCS ID: 120229A LCS-1 1130.00h 12/31/17
Concentration Units: mg/kg

AAB #: 120229A-164437
Contract #: *G012
Initial Calibration ID: Y120301B

Analyte	Expected	Found	% R	Control Limits	Q
BUTYLBENZYLPHTHALATE	1.67	0.95	56.9	25-135	
CHRYSENE	1.67	0.90	53.9	45-143	
DI-N-BUTYLPHTHALATE	1.67	1.01	60.5	25-136	
DI-N-OCTYLPHTHALATE	1.67	0.93	55.7	28-137	
DIBENZ (A,H) ANTHRACENE	1.67	0.99	59.3	40-135	
DIBENZOFURAN	1.67	1.02	61.1	42-135	
DIETHYL PHTHALATE	1.67	0.97	58.1	27-135	
DIMETHYLPHTHALATE	1.67	0.95	56.9	25-175	
FLUORANTHENE	1.67	0.93	55.7	37-135	
FLUORENE	1.67	0.97	58.1	38-149	
HEXACHLOROBENZENE	1.67	0.91	54.5	36-143	
HEXACHLOROBUTADIENE	1.67	0.92	55.1	25-135	
HEXACHLOROCYCLOPENTADIENE	1.67	0.61	36.5	31-135	
HEXACHLOROETHANE	1.67	0.94	56.3	25-163	
INDENO (1,2,3-CD) PYRENE	1.67	0.93	55.7	25-170	
ISOPHORONE	1.67	0.99	59.3	25-175	
N-NITROSODI-N-PROPYLAMINE	1.67	1.02	61.1	27-135	
N-NITROSODIPHENYLAMINE	1.67	0.93	55.7	25-135	
NAPHTHALENE	1.67	0.94	56.3	40-135	
NITROBENZENE	1.67	0.96	57.5	36-143	
PENTACHLOROPHENOL	1.67	0.91	54.5	38-146	
PHENANTHRENE	1.67	0.93	55.7	44-135	
PHENOL	1.67	0.98	58.7	25-135	
PYRENE	1.67	0.90	53.9	37-146	

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	66.4	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	61.6	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	63.1	25-135	
SURROGATE: NITROBENZENE-D5 (S)	64.3	25-135	
SURROGATE: PHENOL (S)	68.2	25-135	
SURROGATE: TERPHENYL-D14 (S)	70.9	32-136	

Comments: ARF: 67072, QC Sample ID: AY55855

AFCEE
ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: EPA 8270C

Initial Calibration ID: Y120301B

Lab Name: APPL, Inc

Contract #: *G012

Concentration Units: mg/kg

% Solids: 92.9

Parent Field Sample ID: B4-NT1-BOT01

MS ID: ~~120229~~ KY 55855S 03 MS-1 1/32.464 1F 3/7/12

MSD ID: ~~120229~~ KY 55855S 03 MSD-1 1/32.646 1F 3/7/12

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	% R	Duplicate Spiked Sample Result	% R	%RPD	Control Limits % R	Control Limits % RPD	Q
1,2,4-TRICHLOROBENZENE		1.66	0.89	53.6	0.82	49.4	8.2	34-152	30	
1,2-DCB		1.66	0.83	50.0	0.78	47.0	6.2	32-135	30	
1,3-DCB		1.66	0.80	48.2	0.75	45.2	6.5	26-135	30	
1,4-DCB		1.66	0.81	48.8	0.76	45.8	6.4	25-135	30	
2,4,5-TRICHLOROPHENOL		1.66	0.92	55.4	0.90	54.2	2.2	25-175	30	
2,4,6-TRICHLOROPHENOL		1.66	0.94	56.6	0.90	54.2	4.3	29-138	30	
2,4-DICHLOROPHENOL		1.66	0.93	56.0	0.89	53.6	4.4	36-135	30	
2,4-DIMETHYLPHENOL		1.66	0.70	42.2	0.69	41.6	1.4	35-149	30	
2,4-DINITROPHENOL		1.66	0.58	34.9	0.55	33.1	5.3	25-161	30	
2,4-DNT		1.66	0.95	57.2	0.89	53.6	6.5	29-149	30	
2,6-DNT		1.66	0.95	57.2	0.88	53.0	7.7	41-135	30	
2-CHLORONAPHTHALENE		1.66	0.92	55.4	0.89	53.6	3.3	50-135	30	
2-CHLOROPHENOL		1.66	0.91	54.8	0.88	53.0	3.4	31-135	30	
2-METHYLNAPHTHALENE		1.66	0.94	56.6	0.90	54.2	4.3	31-135	30	
2-METHYLPHENOL		1.66	0.89	53.6	0.86	51.8	3.4	25-135	30	
2-NITROANILINE		1.66	0.97	58.4	0.93	56.0	4.2	40-135	30	
2-NITROPHENOL		1.66	0.93	56.0	0.88	53.0	5.5	34-135	30	
3,3'-DICHLOROBENZIDINE		1.66	0.71	42.8	0.66	39.8	7.3	25-175	30	
3-NITROANILINE		1.66	0.91	54.8	0.89	53.6	2.2	41-135	30	
4,6-DINITRO-2-METHYLPHENOL		1.66	0.84	50.6	0.77	46.4	8.7	25-144	30	
4-BROMOPHENYL PHENYL ETHER		1.66	0.94	56.6	0.88	53.0	6.6	43-137	30	
4-CHLORO-3-METHYLPHENOL		1.66	0.97	58.4	0.91	54.8	6.4	34-135	30	
4-CHLOROANILINE		1.66	0.91	54.8	0.87	52.4	4.5	35-146	30	
4-CHLOROPHENYL PHENYL ETHE		1.66	0.91	54.8	0.90	54.2	1.1	41-142	30	
4-METHYLPHENOL		3.33	1.84	55.3	1.78	53.5	3.3	25-135	30	
4-NITROANILINE		1.66	0.89	53.6	0.85	51.2	4.6	30-153	30	
4-NITROPHENOL		1.66	0.91	54.8	0.89	53.6	2.2	25-141	30	
ACENAPHTHENE		1.66	0.92	55.4	0.87	52.4	5.6	39-135	30	
ACENAPHTHYLENE		1.66	0.91	54.8	0.89	53.6	2.2	37-135	30	
ANTHRACENE		1.66	0.94	56.6	0.86	51.8	8.9	35-175	30	
BENZ (A) ANTHRACENE		1.66	0.94	56.6	0.87	52.4	7.7	41-143	30	
BENZO (A) PYRENE		1.66	0.93	56.0	0.91	54.8	2.2	31-135	30	
BENZO (B) FLUORANTHENE		1.66	0.85	51.2	0.78	47.0	8.6	27-135	30	
BENZO (G,H,I) PERYLENE		1.66	0.95	57.2	0.90	54.2	5.4	25-159	30	
BENZOIC ACID		1.66	0.19	11.4	0.19	11.4	0.0	25-172	30	M
BENZYL ALCOHOL		1.66	0.88	53.0	0.84	50.6	4.7	25-135	30	
BIS (2-CHLOROETHOXY) METHAN		1.66	0.95	57.2	0.88	53.0	7.7	39-135	30	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: EPA 8270C
Initial Calibration ID: Y120301B

Lab Name: APPL, Inc
Contract #: *G012

Concentration Units: mg/kg
% Solids: 92.9

Parent Field Sample ID: B4-NT1-BOT01
MS ID: ~~120229~~-55855S MS-1 MSD ID: ~~120229~~-55855S MSD-1

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	% R	Duplicate Spiked Sample Result	% R	%RPD	Control Limits % R	Control Limits % RPD	Q
BIS (2-CHLOROETHYL) ETHER		1.66	1.11	66.9	1.07	64.5	3.7	34-135	30	
BIS (2-CHLOROISOPROPYL) ETHE		1.66	0.92	55.4	0.88	53.0	4.4	26-175	30	
BIS (2-ETHYLHEXYL) PHTHALATE		1.66	0.96	57.8	0.84	50.6	13.3	25-139	30	
BUTYLBENZYLPHTHALATE		1.66	0.95	57.2	0.86	51.8	9.9	25-135	30	
CHRYSENE		1.66	0.93	56.0	0.87	52.4	6.7	45-143	30	
DI-N-BUTYLPHTHALATE		1.66	0.95	57.2	0.94	56.6	1.1	25-136	30	
DI-N-OCTYLPHTHALATE		1.66	0.98	59.0	0.87	52.4	11.9	28-137	30	
DIBENZ (A,H) ANTHRACENE		1.66	0.94	56.6	0.91	54.8	3.2	40-135	30	
DIBENZOFURAN		1.66	1.01	60.8	0.98	59.0	3.0	42-135	30	
DIETHYL PHTHALATE		1.66	0.94	56.6	0.90	54.2	4.3	27-135	30	
DIMETHYLPHTHALATE		1.66	0.94	56.6	0.92	55.4	2.2	25-175	30	
FLUORANTHENE		1.66	0.95	57.2	0.89	53.6	6.5	37-135	30	
FLUORENE		1.66	0.95	57.2	0.91	54.8	4.3	38-149	30	
HEXACHLOROBENZENE		1.66	0.95	57.2	0.87	52.4	8.8	36-143	30	
HEXACHLOROBUTADIENE		1.66	0.86	51.8	0.79	47.6	8.5	25-135	30	
HEXACHLOROCYCLOPENTADIEN		1.66	0.60	36.1	0.54	32.5	10.5	31-135	30	
HEXACHLOROETHANE		1.66	0.80	48.2	0.76	45.8	5.1	25-163	30	
INDENO (1,2,3-CD) PYRENE		1.66	0.93	56.0	0.86	51.8	7.8	25-170	30	
ISOPHORONE		1.66	0.94	56.6	0.89	53.6	5.5	25-175	30	
N-NITROSODI-N-PROPYLAMINE		1.66	0.93	56.0	0.91	54.8	2.2	27-135	30	
N-NITROSODIPHENYLAMINE		1.66	0.90	54.2	0.87	52.4	3.4	25-135	30	
NAPHTHALENE		1.66	0.90	54.2	0.84	50.6	6.9	40-135	30	
NITROBENZENE		1.66	0.93	56.0	0.87	52.4	6.7	36-143	30	
PENTACHLOROPHENOL		1.66	0.91	54.8	0.87	52.4	4.5	38-146	30	
PHENANTHRENE		1.66	0.92	55.4	0.89	53.6	3.3	44-135	30	
PHENOL		1.66	0.92	55.4	0.87	52.4	5.6	25-135	30	
PYRENE		1.66	0.93	56.0	0.86	51.8	7.8	37-146	30	

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	% R	Duplicate Spiked Sample Result	% R	%RPD	Control Limits % R	Control Limits % RPD	Q
SURROGATE: 2,4,6-TRIBROMOPHE		6.17	4.05	65.6	4.08	66.1		25-144		
SURROGATE: 2-FLUORBIPHENYL (		3.09	1.83	59.2	1.83	59.2		34-135		
SURROGATE: 2-FLUOROPHENOL (		6.17	3.50	56.7	3.38	54.8		25-135		
SURROGATE: NITROBENZENE-D5		3.09	1.90	61.5	1.80	58.3		25-135		
SURROGATE: PHENOL (S)		6.17	3.91	63.4	3.79	61.4		25-135		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: EPA 8270C

Initial Calibration ID: Y120301B

Lab Name: APPL, Inc

Contract #: *G012

Concentration Units: mg/kg

% Solids: 92.9

Parent Field Sample ID: B4-NT1-BOT01

MS ID: ~~120229~~-55855S MS-1

MSD ID: ~~120229~~-55855S MSD-1

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	% R	Duplicate Spiked Sample Result	% R	%RPD	Control Limits % R	Control Limits % RPD	Q
SURROGATE: TERPHENYL-D14 (S)		3.09	2.13	68.9	2.08	67.3		32-136		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
HOLDING TIMES

Analytical Method: EPA 8270C AAB#: 120229A-164437

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time Ext	Time Held Ext	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
B4-NT1-BOT01	27-Feb-12	28-Feb-12	29-Feb-12	14	2	03-Mar-12	40	3	
B4-NT1-BOT01 FD	27-Feb-12	28-Feb-12	29-Feb-12	14	2	03-Mar-12	40	3	
B4-NT1-BOT02	27-Feb-12	28-Feb-12	29-Feb-12	14	2	03-Mar-12	40	3	
B4-NT1-BOT03	27-Feb-12	28-Feb-12	29-Feb-12	14	2	03-Mar-12	40	3	
B4-NT1-SW3	27-Feb-12	28-Feb-12	29-Feb-12	14	2	02-Mar-12	40	2	
B4-NT1-SW4	27-Feb-12	28-Feb-12	29-Feb-12	14	2	03-Mar-12	40	3	
B4-NT1-SW5	27-Feb-12	28-Feb-12	29-Feb-12	14	2	03-Mar-12	40	3	
B4-NT1-SW6	27-Feb-12	28-Feb-12	29-Feb-12	14	2	02-Mar-12	40	2	
B4-NT1-SW6 FD	27-Feb-12	28-Feb-12	29-Feb-12	14	2	03-Mar-12	40	3	
B4-NT1-SW7	27-Feb-12	28-Feb-12	29-Feb-12	14	2	03-Mar-12	40	3	
B4-NT1-SW8	27-Feb-12	28-Feb-12	29-Feb-12	14	2	03-Mar-12	40	3	
B4-NT1-SW9	27-Feb-12	28-Feb-12	29-Feb-12	14	2	02-Mar-12	40	2	

Comments: ARF: 67072

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: EPA 8270C

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: YODA Compound: DFTPP Injection Date/Time: 1 Mar 12 18:36

Initial Calibration ID: Y120301B

Mass	Ion Abundance Criteria	% Relative Abundance	Q
51	30 - 60.04% of mass 198	37.4	PASS
68	0 - 2% of mass 69	0.0	PASS
70	0 - 2% of mass 69	0.5	PASS
127	40 - 60% of mass 198	46.9	PASS
197	0 - 1% of mass 198	0.0	PASS
198	100 - 100% of mass 198	100.0	PASS
199	5 - 9% of mass 198	6.6	PASS
275	10 - 30% of mass 198	22.6	PASS
365	1 - 100% of mass 198	2.2	PASS
441	0.01 - 100% of mass 443	79.9	PASS
442	40 - 150% of mass 198	74.3	PASS
443	17 - 23% of mass 442	18.9	PASS

AFCEE FORM O-11 Page ___ of _____

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: EPA 8270C

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: YODA Compound: DFTPP Injection Date/Time: 2 Mar 12 17:44

Initial Calibration ID: Y120301B

Mass	Ion Abundance Criteria	% Relative Abundance	Q
51	30 - 60.04% of mass 198	46.9	PASS
68	0 - 2% of mass 69	1.6	PASS
70	0 - 2% of mass 69	0.4	PASS
127	40 - 60% of mass 198	48.3	PASS
197	0 - 1% of mass 198	0.0	PASS
198	100 - 100% of mass 198	100.0	PASS
199	5 - 9% of mass 198	6.7	PASS
275	10 - 30% of mass 198	26.3	PASS
365	1 - 100% of mass 198	3.3	PASS
441	0.01 - 100% of mass 443	77.6	PASS
442	40 - 150% of mass 198	96.9	PASS
443	17 - 23% of mass 442	19.9	PASS

AFCEE FORM O-11 Page ___ of _____

AFCEE
ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: EPA 8270C

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: YODA ICAL ID: Y120301B

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
SV TUNE 02-28-12	01-Mar-12	18:36	01-Mar-12	18:46
5.0 ug/mL SVOC 03-01-12	01-Mar-12	18:54	01-Mar-12	19:12
10 ug/mL SVOC	01-Mar-12	19:20	01-Mar-12	19:38
20 ug/mL SVOC	01-Mar-12	19:46	01-Mar-12	20:04
40 ug/mL SVOC	01-Mar-12	20:12	01-Mar-12	20:29
50 ug/mL SVOC	01-Mar-12	20:37	01-Mar-12	20:55
60 ug/mL SVOC	01-Mar-12	21:03	01-Mar-12	21:21
80 ug/mL SVOC	01-Mar-12	21:29	01-Mar-12	21:47
100 ug/mL SVOC	01-Mar-12	21:54	01-Mar-12	22:12
50 ug/mL SVOC SS 03-01-12	01-Mar-12	22:20	01-Mar-12	22:38
SV TUNE 02-28-12	02-Mar-12	17:44	02-Mar-12	17:54
50 ug/mL SVOC 03-01-12	02-Mar-12	18:02	02-Mar-12	18:20
120229A BLK 1/30.00G	02-Mar-12	20:11	02-Mar-12	20:29
120229A LCS-1 1/30.00G	02-Mar-12	20:37	02-Mar-12	20:55
AY55855S03 MS-1 1/32.40G	02-Mar-12	21:02	02-Mar-12	21:20
AY55855S03 MSD-1 1/32.69G	02-Mar-12	21:28	02-Mar-12	21:46
AY55846S02 1/34.82G	02-Mar-12	22:45	02-Mar-12	23:03
AY55847S02 1/36.60G	02-Mar-12	23:10	02-Mar-12	23:28
AY55848S02 1/33.99G	02-Mar-12	23:36	02-Mar-12	23:54
AY55849S02 1/33.66G	03-Mar-12	00:02	03-Mar-12	0:19
AY55850S03 1/35.19G	03-Mar-12	00:27	03-Mar-12	0:45
AY55851S02 1/31.33G	03-Mar-12	00:52	03-Mar-12	1:10
AY55852S03 1/32.55G	03-Mar-12	1:18	03-Mar-12	1:36
AY55853S02 1/34.25G	03-Mar-12	1:43	03-Mar-12	2:01
AY55854S02 1/32.32G	03-Mar-12	2:09	03-Mar-12	2:26
AY55855S03 1/35.58G	03-Mar-12	2:34	03-Mar-12	2:52

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: EPA 8270C

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: YODA ICAL ID: Y120301B

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
AY55856S03 1/32.37G	03-Mar-12	2:59	03-Mar-12	3:17
AY55869S02 1/33.99G	03-Mar-12	3:25	03-Mar-12	3:43

Comments:

AFCEE FORM O-10 Page ___ of _____

Injection Log

Directory: M:\YODA\DATA\Y120301B\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0301Y001.D	1	SV TUNE 02-28-12		1 Mar 12 18:36
2	2	0301Y002.D	1	5.0 ug/mL SVOC 03-01-12		1 Mar 12 18:54
3	3	0301Y003.D	1	10 ug/mL SVOC		1 Mar 12 19:20
4	4	0301Y004.D	1	20 ug/mL SVOC		1 Mar 12 19:46
5	5	0301Y005.D	1	40 ug/mL SVOC		1 Mar 12 20:12
6	6	0301Y006.D	1	50 ug/mL SVOC		1 Mar 12 20:37
7	7	0301Y007.D	1	60 ug/mL SVOC		1 Mar 12 21:03
8	8	0301Y008.D	1	80 ug/mL SVOC		1 Mar 12 21:29
9	9	0301Y009.D	1	100 ug/mL SVOC		1 Mar 12 21:54
10	10	0301Y010.D	1	50 ug/mL SVOC SS 03-01-12		1 Mar 12 22:20
11	1	0302Y001.D	1	SV TUNE 02-28-12		2 Mar 12 17:44
12	2	0302Y002.D	1	50 ug/mL SVOC 03-01-12		2 Mar 12 18:02
13	7	0302Y007.D	33.3333	120229A BLK 1/30.00G		2 Mar 12 20:11
14	8	0302Y008.D	33.3333	120229A LCS-1 1/30.00G		2 Mar 12 20:37
15	9	0302Y009.D	30.8642	AY55855S03 MS-1 1/32.40G		2 Mar 12 21:02
16	10	0302Y010.D	30.5904	AY55855S03 MSD-1 1/32.69G		2 Mar 12 21:28
17	13	0302Y013.D	28.7191	AY55846S02 1/34.82G		2 Mar 12 22:45
18	14	0302Y014.D	27.3224	AY55847S02 1/36.60G		2 Mar 12 23:10
19	15	0302Y015.D	29.4204	AY55848S02 1/33.99G		2 Mar 12 23:36
20	16	0302Y016.D	29.7089	AY55849S02 1/33.66G		3 Mar 12 00:02
21	17	0302Y017.D	28.4172	AY55850S03 1/35.19G		3 Mar 12 00:27
22	18	0302Y018.D	31.9183	AY55851S02 1/31.33G		3 Mar 12 00:52
23	19	0302Y019.D	30.722	AY55852S03 1/32.55G		3 Mar 12 1:18
24	20	0302Y020.D	29.1971	AY55853S02 1/34.25G		3 Mar 12 1:43
25	21	0302Y021.D	30.9406	AY55854S02 1/32.32G		3 Mar 12 2:09
26	22	0302Y022.D	28.1057	AY55855S03 1/35.58G		3 Mar 12 2:34
27	23	0302Y023.D	30.8928	AY55856S03 1/32.37G		3 Mar 12 2:59
28	24	0302Y024.D	29.4204	AY55869S02 1/33.99G		3 Mar 12 3:25

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: *G012

Lab Code: _____ SDG No.: 67072

Lab File ID (Standard): 0301Y006.D Date Analyzed: 1 Mar 12 20:37

Instrument ID: YODA Time Analyzed: 1 Mar 12 20:37

GC Column: _____ ID: Heated Purge: (Y/N) _____

		1,4-dichlorobenzene-D4(IS)		Napthalene-D8(IS)		Acenaphthene-D10(IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	377888	4.57	1425320	5.95	790452	7.95
	UPPER LIMIT	755776	5.07	2850640	6.45	1580904	8.45
	LOWER LIMIT	188944	4.07	712660	5.45	395226	7.45
	SAMPLE NO.						
01	120229A BLK 1/30.00G	376354	4.57	1409060	5.94	792996	7.95
02	120229A LCS-1 1/30.00	374633	4.57	1495470	5.95	861580	7.95
03	AY55855S03 MS-1 1/32	390201	4.56	1485570	5.95	848324	7.95
04	AY55855S03 MSD-1 1/3	384045	4.57	1495480	5.95	832160	7.95
05	AY55846S02 1/34.82G	376097	4.57	1443570	5.94	837943	7.95
06	AY55847S02 1/36.60G	365765	4.56	1408130	5.94	819156	7.95
07	AY55848S02 1/33.99G	389597	4.56	1468710	5.95	830923	7.94
08	AY55849S02 1/33.66G	399289	4.56	1487800	5.94	860645	7.95
09	AY55850S03 1/35.19G	390382	4.57	1476670	5.94	829960	7.95
10	AY55851S02 1/31.33G	371319	4.56	1417980	5.95	809199	7.94
11	AY55852S03 1/32.55G	383535	4.56	1466990	5.94	856375	7.95
12	AY55853S02 1/34.25G	378399	4.56	1412210	5.94	802870	7.95
13	AY55854S02 1/32.32G	432594	4.56	1619290	5.94	894410	7.95
14	AY55855S03 1/35.58G	384897	4.56	1473970	5.94	832907	7.95
15	AY55856S03 1/32.37G	398080	4.56	1514630	5.94	878338	7.95
16	AY55869S02 1/33.99G	397218	4.56	1550530	5.95	857107	7.94
17							
18							
19							
20							
21							
22							

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: *G012

Lab Code: SDG No.: 67072

Lab File ID (Standard): 0301Y006.D Date Analyzed: 1 Mar 12 20:37

Instrument ID: YODA Time Analyzed: 1 Mar 12 20:37

GC Column: ID: Heated Purge: (Y/N)

		Phenanthrene-D10(IS)		Chrysene-D12(IS)		Perylene-D12(IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1457150	9.68	1307990	12.76	1280470	14.33
	UPPER LIMIT	2914300	10.18	2615980	13.26	2560940	14.83
	LOWER LIMIT	728575	9.18	653995	12.26	640235	13.83
	SAMPLE NO.						
01	120229A BLK 1/30.00G	1418560	9.66	1320250	12.75	1209930	14.31
02	120229A LCS-1 1/30.00	1590560	9.67	1454060	12.76	1380570	14.32
03	AY55855S03 MS-1 1/32	1519160	9.67	1399100	12.75	1368470	14.33
04	AY55855S03 MSD-1 1/3	1529240	9.67	1418020	12.76	1347140	14.32
05	AY55846S02 1/34.82G	1479050	9.67	1384710	12.75	1250040	14.32
06	AY55847S02 1/36.60G	1442830	9.67	1386100	12.75	1232580	14.32
07	AY55848S02 1/33.99G	1511300	9.67	1413270	12.74	1245560	14.32
08	AY55849S02 1/33.66G	1509340	9.67	1446610	12.75	1293280	14.32
09	AY55850S03 1/35.19G	1462410	9.67	1402820	12.75	1226520	14.32
10	AY55851S02 1/31.33G	1450210	9.67	1389690	12.75	1261670	14.32
11	AY55852S03 1/32.55G	1506700	9.67	1457130	12.75	1307690	14.32
12	AY55853S02 1/34.25G	1396290	9.67	1344860	12.75	1191160	14.32
13	AY55854S02 1/32.32G	1619490	9.66	1480950	12.75	1383260	14.31
14	AY55855S03 1/35.58G	1455320	9.67	1408400	12.75	1272900	14.32
15	AY55856S03 1/32.37G	1549590	9.67	1473530	12.75	1329360	14.32
16	AY55869S02 1/33.99G	1521800	9.67	1473150	12.75	1282790	14.32
17							
18							
19							
20							
21							
22							

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

EPA METHOD 8270C
Semivolatile Organic Compounds
Calibration Data

Data File : M:\YODA\DATA\Y120301B\0301Y002.D Vial: 2
Acq On : 1 Mar 12 18:54 Operator: LF
Sample : 5.0 ug/mL SVOC 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:44 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:37:15 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	393082	40.00000	ppb		0.00
20) Napthalene-D8(IS)	5.95	136	1506406	40.00000	ppb		0.00
38) Acenaphthene-D10(IS)	7.95	164	824381	40.00000	ppb		0.00
62) Phenanthrene-D10(IS)	9.67	188	1446785	40.00000	ppb		0.00
76) Chrysene-D12(IS)	12.75	240	1306076	40.00000	ppb		-0.01
86) Perylene-D12(IS)	14.31	264	1288127	40.00000	ppb		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol (S)	3.24	112	155640	10.87519	ppb		0.00
Spiked Amount 200.000			Recovery =	5.438%			
5) Phenol-D6 (S)	4.23	99	180362	10.64318	ppb		0.00
Spiked Amount 200.000			Recovery =	5.322%			
21) Nitrobenzene-D5(S)	5.17	82	77224	5.41080	ppb		-0.01
Spiked Amount 100.000			Recovery =	5.411%			
44) 2-Fluorobiphenyl(S)	7.19	172	163854	5.68074	ppb		-0.01
Spiked Amount 100.000			Recovery =	5.681%			
61) 2,4,6-Tribromophenol(S)	8.87	330	35587	10.17573	ppb		-0.02
Spiked Amount 200.000			Recovery =	5.088%			
78) Terphenyl-D14(S)	11.55	244	146441	5.36641	ppb		0.00
Spiked Amount 100.000			Recovery =	5.366%			
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.95	42	74938	8.62369	ppb	#	50
6) Phenol	4.24	94	121773	5.31509	ppb		82
7) Aniline	4.31	93	101768	5.71072	ppb	#	96
8) Bis (2-chloroethyl) ether	4.31	63	64044	4.68672	ppb		97
9) 2-Chlorophenol	4.36	128	89857	5.29842	ppb		96
10) 1,3-DCB	4.50	146	104166	5.47236	ppb		99
11) 1,4-DCB	4.58	146	110414	5.64867	ppb		96
12) Benzyl alcohol	4.75	79	66800	5.16989	ppb		99
13) 1,2-DCB	4.74	146	100661	5.61798	ppb		99
14) 2-Methylphenol	4.88	108	85788	5.50767	ppb		98
15) Bis (2-chloroisopropyl) et	4.88	45	148073	5.75130	ppb		96
16) Acetophenone	5.01	105	121141	5.41755	ppb		99
17) 3&4-Methylphenol	5.04	107	189500	10.73406	ppb		92
18) n-Nitrosodi-n-propylamine	5.01	43	77230	6.10226	ppb		83
19) Hexachloroethane	5.09	117	36806	5.60446	ppb		98
22) Nitrobenzene	5.19	77	91950	5.35411	ppb		98
23) Isophorone	5.46	82	163333	5.32886	ppb		90
24) 2-Nitrophenol	5.54	139	47673	5.00568	ppb		99
25) 2,4-Dimethylphenol	5.62	107	90735	5.50220	ppb		95
26) Benzoic acid	5.84	105	8850	1.32012	ppb		89
27) Bis (2-chloroethoxy) metha	5.71	93	101034	5.48534	ppb		97
28) 2,4-Dichlorophenol	5.82	162	69818	5.20399	ppb		98
29) 1,2,4-Trichlorobenzene	5.89	180	80979	5.56878	ppb		99
30) Naphthalene	5.97	128	287250	5.69536	ppb		99
31) 4-Chloroaniline	6.06	127	91912	5.17773	ppb		95
32) 2,6-Dichlorophenol	6.06	162	75518	5.75846	ppb		97
33) Hexachloropropene	6.06	213	40681	5.04537	ppb		98
34) Hexachlorobutadiene	6.11	225	41040	5.57452	ppb		99
35) Caprolactum	6.46	113	28279	5.19833	ppb		95
36) 4-Chloro-3-methylphenol	6.65	107	71881	5.03540	ppb		96
37) 2-Methylnaphthalene	6.76	142	183661	5.45553	ppb		97
39) Hexachlorocyclopentadiene	6.93	237	14571	2.60921	ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y002.D Vial: 2
Acq On : 1 Mar 12 18:54 Operator: LF
Sample : 5.0 ug/mL SVOC 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:44 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:37:15 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

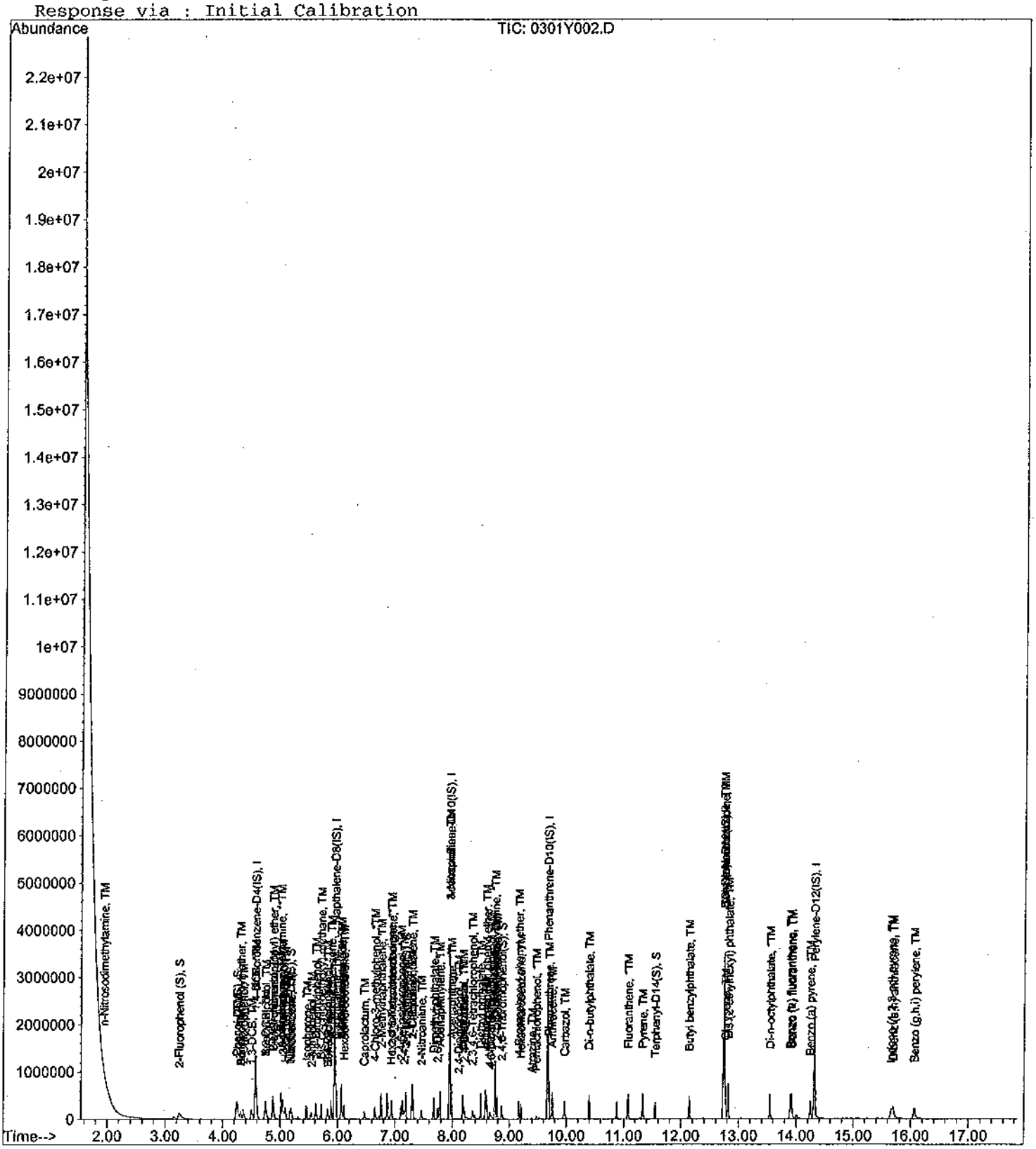
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40) 1,2,4,5-Tetrachlorobenzene	6.95	216	76383	5.67391	ppb		91
41) 2,4,6-Trichlorophenol	7.10	196	46662	5.08942	ppb		95
42) 2,4,5-Trichlorophenol	7.16	196	52564	5.36445	ppb		95
43) 2-Chloronaphthalene	7.31	162	170712	5.73721	ppb		98
45) 1,1'-Biphenyl	7.30	154	223595	5.83589	ppb		99
46) 2-Nitroaniline	7.46	138	56423	4.98761	ppb		99
47) Dimethyl phthalate	7.68	163	185518	5.47105	ppb		95
48) 2,6-DNT	7.75	165	40590	5.08008	ppb	#	80
49) Acenaphthylene	7.78	152	274925	5.55954	ppb		100
50) 3-Nitroaniline	7.95	65	59841	5.51041	ppb		95
51) Acenaphthene	7.98	154	170151	5.80669	ppb		99
52) 2,4-Dinitrophenol	8.11	184	1274	7.29158	ppb	#	55
53) 4-Nitrophenol	8.18	109	688	0.24169	ppb	#	1
54) Dibenzofuran	8.19	139	81160	4.04429	ppb		78
55) 2,4-DNT	8.21	165	54564	4.94419	ppb		84
56) 2,3,4,6-Tetrachlorophenol	8.36	232	34786	4.76173	ppb		99
57) Diethyl phthalate	8.50	149	186438	5.53472	ppb		99
58) 4-Chlorophenyl phenyl ethe	8.60	204	93202	5.73780	ppb		92
59) Fluorene	8.58	165	176861	5.62365	ppb		99
60) 4-Nitroaniline	8.65	138	46045	5.25589	ppb		99
63) Diphenyl amine	8.75	168	187840	5.79140	ppb		99
64) 4,6-Dinitro-2-methylphenol	8.68	198	18478	3.10063	ppb		87
65) n-Nitrosodiphenylamine	8.75	167	100712	5.84981	ppb		100
66) 1,2-Diphenylhydrazine	8.78	182	56647	5.72893	ppb		79
67) 4-Bromophenyl phenyl ether	9.16	248	45954	5.56999	ppb		99
68) Hexachlorobenzene	9.21	284	49919	5.59221	ppb		98
69) Atrazine	9.40	200	3624	2.47981	ppb		93
70) Pentachlorophenol	9.47	266	18890	3.86931	ppb		92
71) Phenanthrene	9.69	178	288113	5.99120	ppb		100
72) Anthracene	9.75	178	287873	5.82163	ppb		99
73) Carbazol	9.97	167	247514	5.55861	ppb		97
74) Di-n-butylphthalate	10.40	149	280315	5.35316	ppb		99
75) Fluoranthene	11.08	202	264603	5.38801	ppb		99
77) Pyrene	11.33	202	276314	5.37258	ppb	#	82
79) Butyl benzylphthalate	12.14	149	112254	4.92392	ppb		90
80) 3,3'-Dichlorobenzidine	12.74	252	68319	4.85585	ppb		96
81) Benz (a) anthracene	12.74	228	223596	5.35256	ppb		98
82) Bis (2-ethylhexyl) phthala	12.82	149	180009	5.34724	ppb		96
83) Chrysene	12.77	228	254687	5.77786	ppb	#	97
84) Di-n-octylphthalate	13.54	149	265417	4.89182	ppb		99
85) Indeno (1,2,3-cd) pyrene	15.67	276	217673	4.89840	ppb		94
87) Benzo (b) fluoranthene	13.90	252	242006	4.47210	ppb		99
88) Benzo (k) fluoranthene	13.92	252	209292	4.06350	ppb		97
89) Benzo (a) pyrene	14.25	252	202723	4.98875	ppb		99
90) Dibenz (a,h) anthracene	15.70	278	184534	4.85319	ppb		100
91) Benzo (g,h,i) perylene	16.06	276	192051	5.13331	ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y002.D Vial: 2
Acq On : 1 Mar 12 18:54 Operator: LF
Sample : 5.0 ug/mL SVOC 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:44 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y003.D Vial: 3
Acq On : 1 Mar 12 19:20 Operator: LF
Sample : 10 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:37:15 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	389044	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1500970	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	845002	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1480554	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.75	240	1357398	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.32	264	1314752	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.24	112	310157	21.89686 ppb	0.00
Spiked Amount 200.000			Recovery =	10.949%	
5) Phenol-D6 (S)	4.23	99	369810	22.04902 ppb	0.00
Spiked Amount 200.000			Recovery =	11.025%	
21) Nitrobenzene-D5(S)	5.18	82	155572	10.93984 ppb	0.00
Spiked Amount 100.000			Recovery =	10.940%	
44) 2-Fluorobiphenyl(S)	7.19	172	341076	11.53638 ppb	0.00
Spiked Amount 100.000			Recovery =	11.536%	
61) 2,4,6-Tribromophenol(S)	8.87	330	77563	21.63709 ppb	-0.02
Spiked Amount 200.000			Recovery =	10.819%	
78) Terphenyl-D14(S)	11.54	244	315668	11.13045 ppb	0.00
Spiked Amount 100.000			Recovery =	11.130%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.95	42	113449	13.19095 ppb	82
3) Pyridine	1.97	52	101228	9.53362 ppb	100
6) Phenol	4.25	94	247370	10.90916 ppb	80
7) Aniline	4.31	93	195768	11.09957 ppb	98
8) Bis (2-chloroethyl) ether	4.31	63	125808	9.30216 ppb	97
9) 2-Chlorophenol	4.36	128	185213	11.03445 ppb	98
10) 1,3-DCB	4.50	146	209974	11.14547 ppb	99
11) 1,4-DCB	4.58	146	218579	11.29835 ppb	99
12) Benzyl alcohol	4.74	79	138669	10.84347 ppb	96
13) 1,2-DCB	4.74	146	200453	11.30359 ppb	99
14) 2-Methylphenol	4.87	108	172229	11.17203 ppb	98
15) Bis (2-chloroisopropyl) et	4.88	45	291071	11.42282 ppb	97
16) Acetophenone	5.02	105	252249	11.39793 ppb	95
17) 3&4-Methylphenol	5.05	107	401116	22.95668 ppb	96
18) n-Nitrosodi-n-propylamine	5.02	43	156590	12.50124 ppb	87
19) Hexachloroethane	5.09	117	72297	11.12294 ppb	90
22) Nitrobenzene	5.19	77	190089	11.10869 ppb	96
23) Isophorone	5.45	82	334532	10.95389 ppb	98
24) 2-Nitrophenol	5.54	139	99908	10.52836 ppb	95
25) 2,4-Dimethylphenol	5.61	107	180694	10.99702 ppb	100
26) Benzoic acid	5.81	105	65581	9.81790 ppb	92
27) Bis (2-chloroethoxy) metha	5.71	93	199746	10.88389 ppb	98
28) 2,4-Dichlorophenol	5.82	162	149306	11.16906 ppb	96
29) 1,2,4-Trichlorobenzene	5.89	180	163317	11.27170 ppb	99
30) Naphthalene	5.97	128	570252	11.34744 ppb	99
31) 4-Chloroaniline	6.06	127	195891	11.07520 ppb	99
32) 2,6-Dichlorophenol	6.06	162	147976	11.32445 ppb	99
33) Hexachloropropene	6.07	213	86731	10.79557 ppb	97
34) Hexachlorobutadiene	6.10	225	81293	11.08213 ppb	95
35) Caprolactum	6.48	113	60481	11.15807 ppb	97
36) 4-Chloro-3-methylphenol	6.64	107	152099	10.69342 ppb	91
37) 2-Methylnaphthalene	6.75	142	378294	11.27767 ppb	99

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

Data File : M:\YODA\DATA\Y120301B\0301Y003.D Vial: 3
Acq On : 1 Mar 12 19:20 Operator: LF
Sample : 10 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:37:15 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

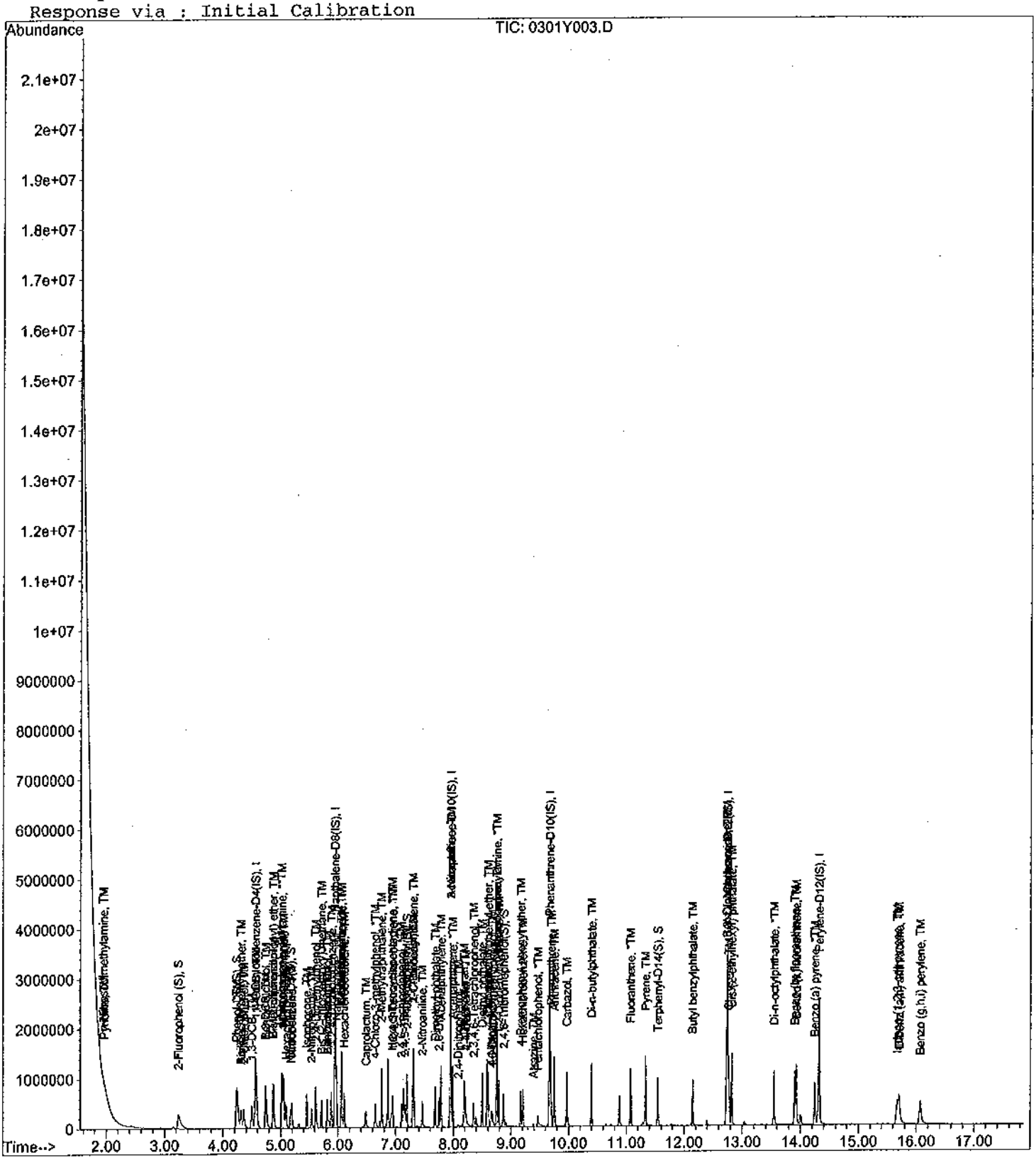
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39) Hexachlorocyclopentadiene	6.93	237	46058	8.04628	ppb		97
40) 1,2,4,5-Tetrachlorobenzene	6.95	216	154982	11.23149	ppb	#	89
41) 2,4,6-Trichlorophenol	7.11	196	100140	10.65572	ppb		93
42) 2,4,5-Trichlorophenol	7.15	196	107376	10.69090	ppb	#	94
43) 2-Chloronaphthalene	7.31	162	345172	11.31729	ppb		98
45) 1,1'-Biphenyl	7.30	154	449456	11.44464	ppb		99
46) 2-Nitroaniline	7.46	138	120663	10.40591	ppb		83
47) Dimethyl phthalate	7.68	163	380707	10.95332	ppb		91
48) 2,6-DNT	7.75	165	83176	10.15594	ppb	#	82
49) Acenaphthylene	7.78	152	558467	11.01774	ppb		99
50) 3-Nitroaniline	7.94	65	115303	10.35847	ppb		95
51) Acenaphthene	7.99	154	336010	11.18707	ppb		100
52) 2,4-Dinitrophenol	8.08	184	20715	10.77872	ppb	#	18
53) 4-Nitrophenol	8.22	109	25127	8.61164	ppb		93
54) Dibenzofuran	8.18	139	170914	8.30899	ppb		98
55) 2,4-DNT	8.21	165	121471	10.73820	ppb		98
56) 2,3,4,6-Tetrachlorophenol	8.35	232	75633	10.10049	ppb		97
57) Diethyl phthalate	8.50	149	377925	10.94553	ppb		98
58) 4-Chlorophenyl phenyl ethe	8.60	204	189210	11.36408	ppb		99
59) Fluorene	8.58	165	365883	11.35008	ppb		100
60) 4-Nitroaniline	8.66	138	91550	10.19511	ppb		95
63) Diphenyl amine	8.75	168	374364	11.27897	ppb		100
64) 4,6-Dinitro-2-methylphenol	8.68	198	54333	8.90920	ppb		93
65) n-Nitrosodiphenylamine	8.75	167	201963	11.46336	ppb		97
66) 1,2-Diphenylhydrazine	8.79	182	116377	11.50122	ppb		64
67) 4-Bromophenyl phenyl ether	9.17	248	95425	11.30246	ppb		99
68) Hexachlorobenzene	9.20	284	102644	11.23649	ppb	#	78
69) Atrazine	9.40	200	8538	5.70908	ppb		90
70) Pentachlorophenol	9.46	266	44751	8.95745	ppb		99
71) Phenanthrene	9.70	178	570541	11.59358	ppb		99
72) Anthracene	9.75	178	579273	11.44739	ppb		99
73) Carbazol	9.96	167	521286	11.43990	ppb		100
74) Di-n-butylphthalate	10.40	149	591070	11.03017	ppb		100
75) Fluoranthene	11.07	202	550715	10.95822	ppb	#	84
77) Pyrene	11.33	202	589160	11.02236	ppb	#	87
79) Butyl benzylphthalate	12.15	149	240862	10.16574	ppb		97
80) 3,3'-Dichlorobenzidine	12.73	252	146559	10.02299	ppb		96
81) Benz (a) anthracene	12.73	228	475529	10.95307	ppb		98
82) Bis (2-ethylhexyl) phthala	12.82	149	385964	11.03172	ppb		99
83) Chrysene	12.78	228	510857	11.15119	ppb	#	97
84) Di-n-octylphthalate	13.55	149	580944	10.30237	ppb		99
85) Indeno (1,2,3-cd) pyrene	15.67	276	468818	10.15115	ppb		95
87) Benzo (b) fluoranthene	13.90	252	510777	9.24765	ppb		98
88) Benzo (k) fluoranthene	13.93	252	446076	8.48537	ppb		98
89) Benzo (a) pyrene	14.25	252	455138	10.97354	ppb		98
90) Dibenz (a,h) anthracene	15.70	278	403688	10.40188	ppb		98
91) Benzo (g,h,i) perylene	16.07	276	410631	10.75343	ppb		97

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

Data File : M:\YODA\DATA\Y120301B\0301Y003.D Vial: 3
Acq On : 1 Mar 12 19:20 Operator: LF
Sample : 10 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y004.D Vial: 4
Acq On : 1 Mar 12 19:46 Operator: LF
Sample : 20 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	382365	40.00000	ppb		0.00
20) Napthalene-D8(IS)	5.95	136	1462702	40.00000	ppb		0.00
38) Acenaphthene-D10(IS)	7.95	164	814051	40.00000	ppb		0.00
62) Phenanthrene-D10(IS)	9.67	188	1454482	40.00000	ppb		0.00
76) Chrysene-D12(IS)	12.75	240	1328601	40.00000	ppb		0.00
86) Perylene-D12(IS)	14.32	264	1308060	40.00000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol (S)	3.24	112	559368	40.18079	ppb		0.00
Spiked Amount 200.000			Recovery =	20.091%			
5) Phenol-D6 (S)	4.23	99	674063	40.89138	ppb		0.00
Spiked Amount 200.000			Recovery =	20.446%			
21) Nitrobenzene-D5(S)	5.18	82	279510	20.16940	ppb		0.00
Spiked Amount 100.000			Recovery =	20.169%			
44) 2-Fluorobiphenyl(S)	7.19	172	585903	20.57076	ppb		0.00
Spiked Amount 100.000			Recovery =	20.571%			
61) 2,4,6-Tribromophenol(S)	8.88	330	140905	40.80156	ppb		0.00
Spiked Amount 200.000			Recovery =	20.401%			
78) Terphenyl-D14(S)	11.54	244	562480	20.26291	ppb		0.00
Spiked Amount 100.000			Recovery =	20.263%			
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.95	42	152067	21.77892	ppb		91
3) Pyridine	1.96	52	201527	19.31128	ppb		97
6) Phenol	4.24	94	458086	20.55473	ppb	#	69
7) Aniline	4.31	93	337366	19.46194	ppb		99
8) Bis (2-chloroethyl) ether	4.31	63	237928	17.89953	ppb		99
9) 2-Chlorophenol	4.35	128	338118	20.49595	ppb		99
10) 1,3-DCB	4.50	146	377414	20.38316	ppb		99
11) 1,4-DCB	4.58	146	386633	20.33415	ppb		99
12) Benzyl alcohol	4.74	79	255852	20.35627	ppb		98
13) 1,2-DCB	4.74	146	357184	20.49351	ppb		99
14) 2-Methylphenol	4.87	108	308671	20.37240	ppb		97
15) Bis (2-chloroisopropyl) et	4.87	45	523020	20.88398	ppb		98
16) Acetophenone	5.02	105	445408	20.47741	ppb		97
17) 3&4-Methylphenol	5.05	107	717015	41.75302	ppb		97
18) n-Nitrosodi-n-propylamine	5.02	43	277319	20.61743	ppb	#	81
19) Hexachloroethane	5.09	117	131164	20.53215	ppb		93
22) Nitrobenzene	5.19	77	338787	20.31649	ppb		98
23) Isophorone	5.46	82	598728	20.11760	ppb		90
24) 2-Nitrophenol	5.54	139	190029	20.54927	ppb		97
25) 2,4-Dimethylphenol	5.61	107	328323	20.50448	ppb		100
26) Benzoic acid	5.78	105	140686	19.55648	ppb		95
27) Bis (2-chloroethoxy) metha	5.71	93	369916	20.68355	ppb		100
28) 2,4-Dichlorophenol	5.82	162	270523	20.76633	ppb		99
29) 1,2,4-Trichlorobenzene	5.89	180	285393	20.21238	ppb		99
30) Naphthalene	5.97	128	1010762	20.63936	ppb		100
31) 4-Chloroaniline	6.06	127	374560	21.73074	ppb		99
32) 2,6-Dichlorophenol	6.06	162	267640	21.01808	ppb		99
33) Hexachloropropene	6.06	213	162568	20.76454	ppb		100
34) Hexachlorobutadiene	6.10	225	147389	20.61823	ppb		95
35) Caprolactum	6.50	113	110660	20.94965	ppb		98
36) 4-Chloro-3-methylphenol	6.64	107	279838	20.18892	ppb		94
37) 2-Methylnaphthalene	6.75	142	680396	20.81460	ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y004.D Vial: 4
Acq On : 1 Mar 12 19:46 Operator: LF
Sample : 20 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

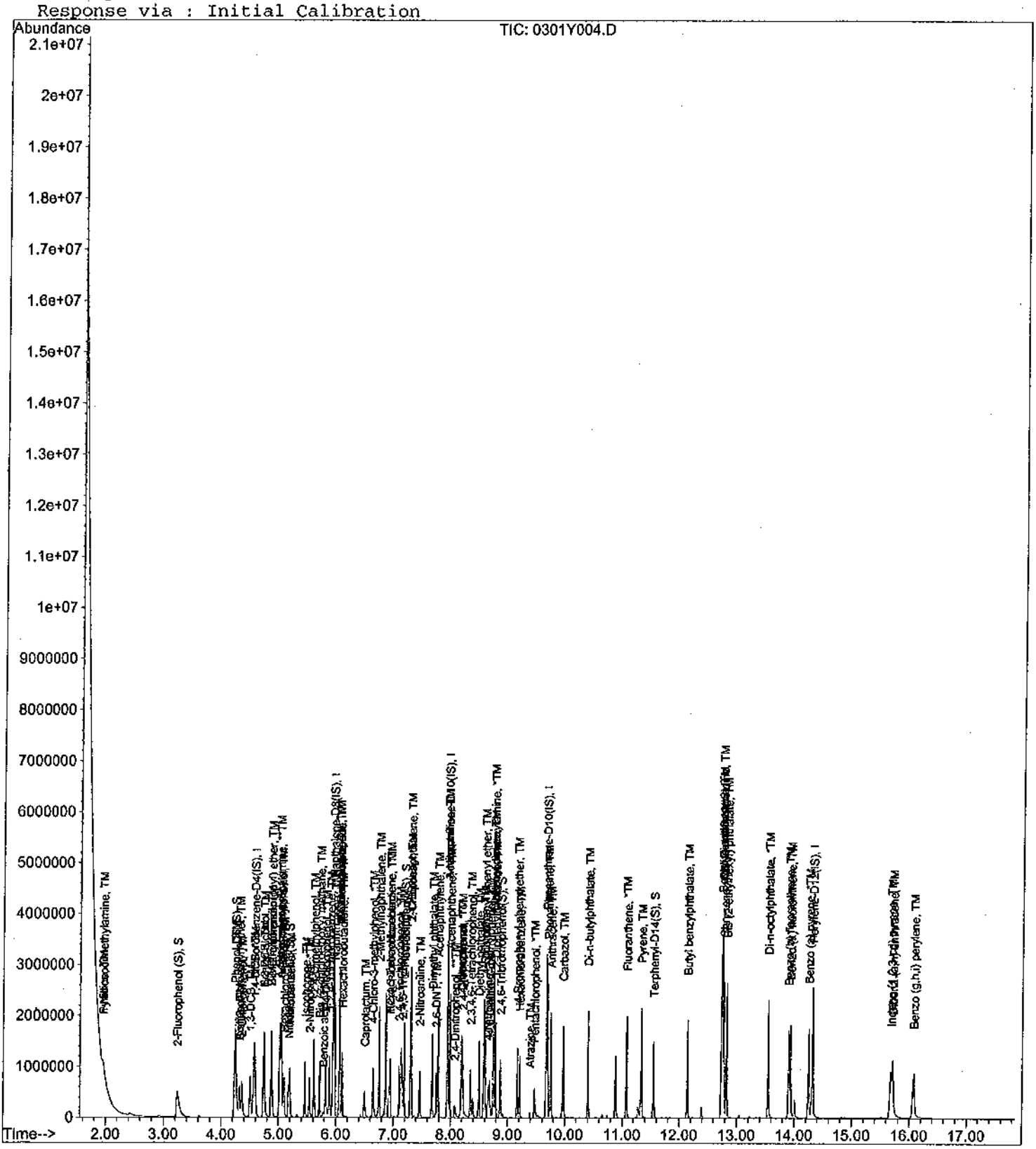
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Hexachlorocyclopentadiene	6.93	237	105332	17.87968	ppb		99
40)	1,2,4,5-Tetrachlorobenzene	6.95	216	274218	20.62805	ppb	#	89
41)	2,4,6-Trichlorophenol	7.10	196	182069	20.11025	ppb		98
42)	2,4,5-Trichlorophenol	7.15	196	197373	20.39863	ppb	#	97
43)	2-Chloronaphthalene	7.31	162	605807	20.61803	ppb		99
45)	1,1'-Biphenyl	7.30	154	801130	21.17504	ppb		99
46)	2-Nitroaniline	7.46	138	224610	20.10673	ppb	#	77
47)	Dimethyl phthalate	7.68	163	689165	20.58184	ppb		95
48)	2,6-DNT	7.76	165	164675	20.87160	ppb		81
49)	Acenaphthylene	7.78	152	1029819	21.08929	ppb		99
50)	3-Nitroaniline	7.94	65	215485	20.09455	ppb		94
51)	Acenaphthene	7.99	154	603069	20.84189	ppb		99
52)	2,4-Dinitrophenol	8.07	184	62053	19.51490	ppb	#	21
53)	4-Nitrophenol	8.20	109	56029	17.54706	ppb		77
54)	Dibenzofuran	8.18	139	424049	21.39898	ppb		100
55)	2,4-DNT	8.21	165	223858	20.54176	ppb		85
56)	2,3,4,6-Tetrachlorophenol	8.35	232	146460	20.30281	ppb		98
57)	Diethyl phthalate	8.50	149	677128	20.35674	ppb		100
58)	4-Chlorophenyl phenyl ethe	8.60	204	332193	20.71032	ppb		97
59)	Fluorene	8.58	165	641087	20.64333	ppb		99
60)	4-Nitroaniline	8.67	138	174492	20.17044	ppb		94
63)	Diphenyl amine	8.76	168	688421	21.11277	ppb		100
64)	4,6-Dinitro-2-methylphenol	8.68	198	122467	19.37956	ppb	#	79
65)	n-Nitrosodiphenylamine	8.76	167	368488	21.29018	ppb		98
66)	1,2-Diphenylhydrazine	8.79	182	207390	20.86317	ppb		87
67)	4-Bromophenyl phenyl ether	9.17	248	171833	20.71730	ppb		99
68)	Hexachlorobenzene	9.20	284	183748	20.47556	ppb	#	70
69)	Atrazine	9.40	200	14539	9.89602	ppb		97
70)	Pentachlorophenol	9.46	266	96229	18.67533	ppb		99
71)	Phenanthrene	9.70	178	1000678	20.69860	ppb		100
72)	Anthracene	9.75	178	1036256	20.84521	ppb		99
73)	Carbazol	9.97	167	923845	20.63770	ppb		99
74)	Di-n-butylphthalate	10.40	149	1082855	20.56978	ppb		99
75)	Fluoranthene	11.08	202	1041387	21.09313	ppb		99
77)	Pyrene	11.33	202	1089719	20.82901	ppb	#	82
79)	Butyl benzylphthalate	12.15	149	470333	20.28098	ppb		95
80)	3,3'-Dichlorobenzidine	12.74	252	299254	20.90919	ppb		99
81)	Benz (a) anthracene	12.73	228	866074	20.38104	ppb		99
82)	Bis (2-ethylhexyl) phthala	12.82	149	698174	20.38792	ppb		97
83)	Chrysene	12.78	228	906963	20.22665	ppb	#	96
84)	Di-n-octylphthalate	13.55	149	1112049	20.14834	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.68	276	884997	19.57787	ppb		93
87)	Benzo (b) fluoranthene	13.90	252	861998	18.83623	ppb	#	95
88)	Benzo (k) fluoranthene	13.94	252	901824	21.35507	ppb	#	94
89)	Benzo (a) pyrene	14.25	252	838057	20.30922	ppb		98
90)	Dibenz (a,h) anthracene	15.71	278	789053	20.43564	ppb		99
91)	Benzo (g,h,i) perylene	16.08	276	761218	20.03644	ppb		97

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

Data File : M:\YODA\DATA\Y120301B\0301Y004.D Vial: 4
Acq On : 1 Mar 12 19:46 Operator: LF
Sample : 20 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y005.D Vial: 5
Acq On : 1 Mar 12 20:12 Operator: LF
Sample : 40 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	392850	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1483214	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	826552	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1506673	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.76	240	1366661	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.32	264	1338704	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.24	112	1124071	78.58976 ppb	0.00
Spiked Amount 200.000			Recovery =	39.295%	
5) Phenol-D6 (S)	4.23	99	1341714	79.22141 ppb	0.00
Spiked Amount 200.000			Recovery =	39.611%	
21) Nitrobenzene-D5(S)	5.18	82	555254	39.51294 ppb	0.00
Spiked Amount 100.000			Recovery =	39.513%	
44) 2-Fluorobiphenyl(S)	7.20	172	1117443	38.63949 ppb	0.00
Spiked Amount 100.000			Recovery =	38.639%	
61) 2,4,6-Tribromophenol(S)	8.88	330	277475	79.13264 ppb	0.00
Spiked Amount 200.000			Recovery =	39.567%	
78) Terphenyl-D14(S)	11.55	244	1119814	39.21701 ppb	0.00
Spiked Amount 100.000			Recovery =	39.217%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.94	42	297622	41.48755 ppb	92
3) Pyridine	1.95	52	429624	40.06986 ppb	97
6) Phenol	4.25	94	881431	38.49502 ppb	97
7) Aniline	4.32	93	656968	36.88761 ppb	100
8) Bis (2-chloroethyl) ether	4.32	63	467820	34.25517 ppb	99
9) 2-Chlorophenol	4.36	128	645929	38.10973 ppb	98
10) 1,3-DCB	4.50	146	722084	37.95706 ppb	100
11) 1,4-DCB	4.59	146	730034	37.36987 ppb	99
12) Benzyl alcohol	4.75	79	493847	38.24311 ppb	99
13) 1,2-DCB	4.74	146	673315	37.60053 ppb	99
14) 2-Methylphenol	4.88	108	592619	38.06916 ppb	99
15) Bis (2-chloroisopropyl) et	4.88	45	970461	37.71590 ppb	99
16) Acetophenone	5.02	105	843853	37.76028 ppb	98
17) 3&4-Methylphenol	5.05	107	1354856	76.78991 ppb	95
18) n-Nitrosodi-n-propylamine	5.03	43	519827	37.61535 ppb	99
19) Hexachloroethane	5.09	117	248894	37.92151 ppb	97
22) Nitrobenzene	5.20	77	646644	38.24188 ppb	99
23) Isophorone	5.47	82	1148009	38.04031 ppb	98
24) 2-Nitrophenol	5.54	139	363960	38.81344 ppb	99
25) 2,4-Dimethylphenol	5.62	107	619306	38.14212 ppb	99
26) Benzoic acid	5.82	105	303460	41.60000 ppb	94
27) Bis (2-chloroethoxy) metha	5.72	93	701744	38.69482 ppb	100
28) 2,4-Dichlorophenol	5.82	162	512992	38.83454 ppb	99
29) 1,2,4-Trichlorobenzene	5.89	180	542403	37.88334 ppb	99
30) Naphthalene	5.98	128	1893392	38.12763 ppb	100
31) 4-Chloroaniline	6.06	127	689238	39.43432 ppb	99
32) 2,6-Dichlorophenol	6.06	162	491596	38.07172 ppb	100
33) Hexachloropropene	6.06	213	306824	38.64815 ppb	99
34) Hexachlorobutadiene	6.11	225	278206	38.37998 ppb	99
35) Caprolactum	6.54	113	214787	40.10016 ppb	97
36) 4-Chloro-3-methylphenol	6.66	107	549249	39.07758 ppb	97
37) 2-Methylnaphthalene	6.76	142	1258813	37.97690 ppb	99

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

Data File : M:\YODA\DATA\Y120301B\0301Y005.D Vial: 5
Acq On : 1 Mar 12 20:12 Operator: LF
Sample : 40 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

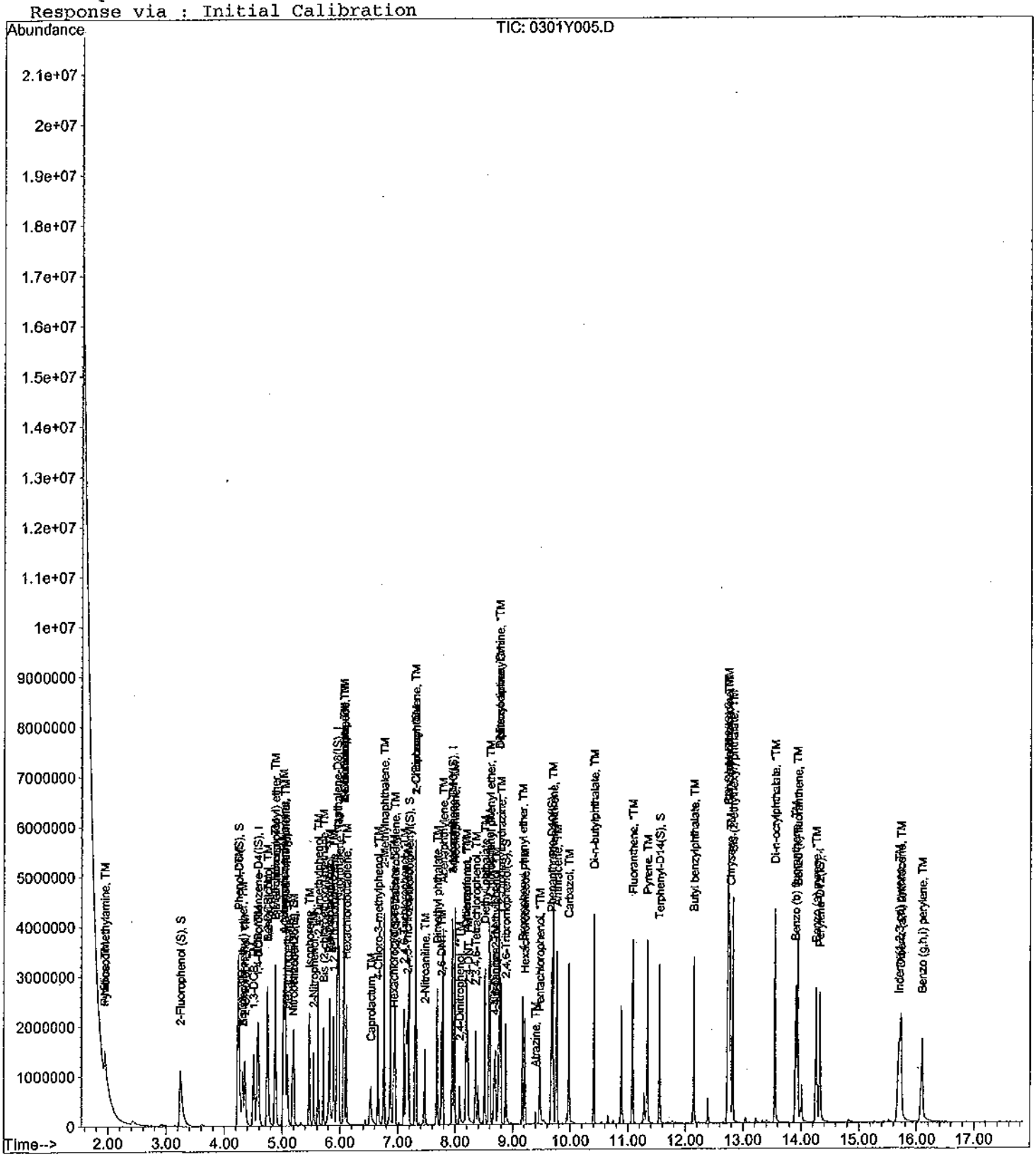
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Hexachlorocyclopentadiene	6.93	237	233865	39.09724	ppb		99
40)	1,2,4,5-Tetrachlorobenzene	6.94	216	515124	38.16413	ppb		98
41)	2,4,6-Trichlorophenol	7.10	196	355404	38.66208	ppb		99
42)	2,4,5-Trichlorophenol	7.17	196	385615	39.25081	ppb		99
43)	2-Chloronaphthalene	7.32	162	1124851	37.70416	ppb		100
45)	1,1'-Biphenyl	7.31	154	1483738	38.62423	ppb		99
46)	2-Nitroaniline	7.47	138	441683	38.94076	ppb		98
47)	Dimethyl phthalate	7.69	163	1276403	37.54311	ppb		99
48)	2,6-DNT	7.76	165	318658	39.77721	ppb		95
49)	Acenaphthylene	7.79	152	1882182	37.96156	ppb		100
50)	3-Nitroaniline	7.96	65	427140	39.22950	ppb		95
51)	Acenaphthene	7.99	154	1115054	37.95312	ppb		100
52)	2,4-Dinitrophenol	8.08	184	158433	36.74132	ppb		81
53)	4-Nitrophenol	8.21	109	127942	39.46263	ppb		96
54)	Dibenzofuran	8.19	139	841390	41.81728	ppb		99
55)	2,4-DNT	8.23	165	432937	39.12651	ppb		94
56)	2,3,4,6-Tetrachlorophenol	8.36	232	288036	39.32468	ppb		98
57)	Diethyl phthalate	8.51	149	1275095	37.75387	ppb		100
58)	4-Chlorophenyl phenyl ethe	8.61	204	616973	37.88295	ppb		100
59)	Fluorene	8.59	165	1190077	37.74150	ppb		100
60)	4-Nitroaniline	8.68	138	342203	38.95875	ppb		98
63)	Diphenyl amine	8.76	168	1237055	36.62431	ppb		100
64)	4,6-Dinitro-2-methylphenol	8.70	198	257780	39.37888	ppb	#	82
65)	n-Nitrosodiphenylamine	8.76	167	660833	36.85845	ppb		100
66)	1,2-Diphenylhydrazine	8.79	182	383135	37.20777	ppb		94
67)	4-Bromophenyl phenyl ether	9.17	248	327793	38.15185	ppb		99
68)	Hexachlorobenzene	9.22	284	352671	37.93780	ppb		99
69)	Atrazine	9.40	200	29742	19.54275	ppb		98
70)	Pentachlorophenol	9.47	266	210771	39.48775	ppb		100
71)	Phenanthrene	9.70	178	1852653	36.99389	ppb		100
72)	Anthracene	9.77	178	1957613	38.01503	ppb		100
73)	Carbazol	9.97	167	1743714	37.60337	ppb		99
74)	Di-n-butylphthalate	10.41	149	2090352	38.33259	ppb		100
75)	Fluoranthene	11.08	202	1995775	39.02383	ppb		100
77)	Pyrene	11.34	202	2064579	38.36360	ppb		98
79)	Butyl benzylphthalate	12.15	149	942427	39.50617	ppb		96
80)	3,3'-Dichlorobenzidine	12.75	252	603335	40.98166	ppb		100
81)	Benz (a) anthracene	12.74	228	1668959	38.18131	ppb		100
82)	Bis (2-ethylhexyl) phthala	12.83	149	1367118	38.81047	ppb		98
83)	Chrysene	12.78	228	1711029	37.09588	ppb	#	95
84)	Di-n-octylphthalate	13.55	149	2227653	39.23708	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.70	276	1778942	38.25772	ppb		97
87)	Benzo (b) fluoranthene	13.92	252	1687499	36.03083	ppb		99
88)	Benzo (k) fluoranthene	13.94	252	1697322	39.27232	ppb		98
89)	Benzo (a) pyrene	14.27	252	1658639	39.27486	ppb		98
90)	Dibenz (a,h) anthracene	15.73	278	1559762	39.47149	ppb		93
91)	Benzo (g,h,i) perylene	16.10	276	1516848	39.01187	ppb		98

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

Data File : M:\YODA\DATA\Y120301B\0301Y005.D Vial: 5
Acq On : 1 Mar 12 20:12 Operator: LF
Sample : 40 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y006.D Vial: 6
Acq On : 1 Mar 12 20:37 Operator: LF
Sample : 50 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:42 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	377888	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1425320	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	790452	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.68	188	1457154	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.76	240	1307987	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.33	264	1280471	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.24	112	1308582	95.11233 ppb	0.00
Spiked Amount 200.000			Recovery =	47.556%	
5) Phenol-D6 (S)	4.24	99	1558962	95.69336 ppb	0.00
Spiked Amount 200.000			Recovery =	47.847%	
21) Nitrobenzene-D5(S)	5.18	82	640979	47.46602 ppb	0.00
Spiked Amount 100.000			Recovery =	47.466%	
44) 2-Fluorobiphenyl(S)	7.20	172	1305557	47.20592 ppb	0.00
Spiked Amount 100.000			Recovery =	47.206%	
61) 2,4,6-Tribromophenol(S)	8.89	330	325309	97.01136 ppb	0.00
Spiked Amount 200.000			Recovery =	48.506%	
78) Terphenyl-D14(S)	11.55	244	1288536	47.15009 ppb	0.00
Spiked Amount 100.000			Recovery =	47.150%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.94	42	321014	46.52007 ppb	100
3) Pyridine	1.94	52	494399	47.93696 ppb	100
6) Phenol	4.26	94	1067264	48.45646 ppb	100
7) Aniline	4.32	93	800057	46.70043 ppb	100
8) Bis (2-chloroethyl) ether	4.32	63	589039	44.83891 ppb	100
9) 2-Chlorophenol	4.36	128	783645	48.06557 ppb	100
10) 1,3-DCB	4.51	146	874755	47.80297 ppb	100
11) 1,4-DCB	4.59	146	892845	47.51363 ppb	100
12) Benzyl alcohol	4.75	79	600262	48.32427 ppb	100
13) 1,2-DCB	4.74	146	824518	47.86736 ppb	100
14) 2-Methylphenol	4.88	108	716779	47.86815 ppb	100
15) Bis (2-chloroisopropyl) et	4.88	45	1169181	47.23803 ppb	100
16) Acetophenone	5.03	105	1021374	47.51348 ppb	100
17) 3&4-Methylphenol	5.06	107	1617123	95.28351 ppb	100
18) n-Nitrosodi-n-propylamine	5.03	43	627354	47.19354 ppb	100
19) Hexachloroethane	5.09	117	303691	48.10241 ppb	100
22) Nitrobenzene	5.20	77	781792	48.11235 ppb	100
23) Isophorone	5.47	82	1395866	48.13200 ppb	100
24) 2-Nitrophenol	5.55	139	441994	49.04970 ppb	100
25) 2,4-Dimethylphenol	5.62	107	739438	47.39065 ppb	100
26) Benzoic acid	5.83	105	418697	59.72871 ppb	100
27) Bis (2-chloroethoxy) metha	5.72	93	833860	47.84744 ppb	100
28) 2,4-Dichlorophenol	5.82	162	621192	48.93559 ppb	100
29) 1,2,4-Trichlorobenzene	5.89	180	655033	47.60810 ppb	100
30) Naphthalene	5.98	128	2264393	47.45069 ppb	100
31) 4-Chloroaniline	6.06	127	831488	49.50540 ppb	100
32) 2,6-Dichlorophenol	6.06	162	587579	47.35347 ppb	100
33) Hexachloropropene	6.06	213	371986	48.75929 ppb	100
34) Hexachlorobutadiene	6.11	225	335263	48.12994 ppb	100
35) Caprolactum	6.55	113	259662	50.44731 ppb	100
36) 4-Chloro-3-methylphenol	6.66	107	660696	48.91607 ppb	100
37) 2-Methylnaphthalene	6.76	142	1520980	47.74998 ppb	100

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

Data File : M:\YODA\DATA\Y120301B\0301Y006.D Vial: 6
Acq On : 1 Mar 12 20:37 Operator: LF
Sample : 50 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:42 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

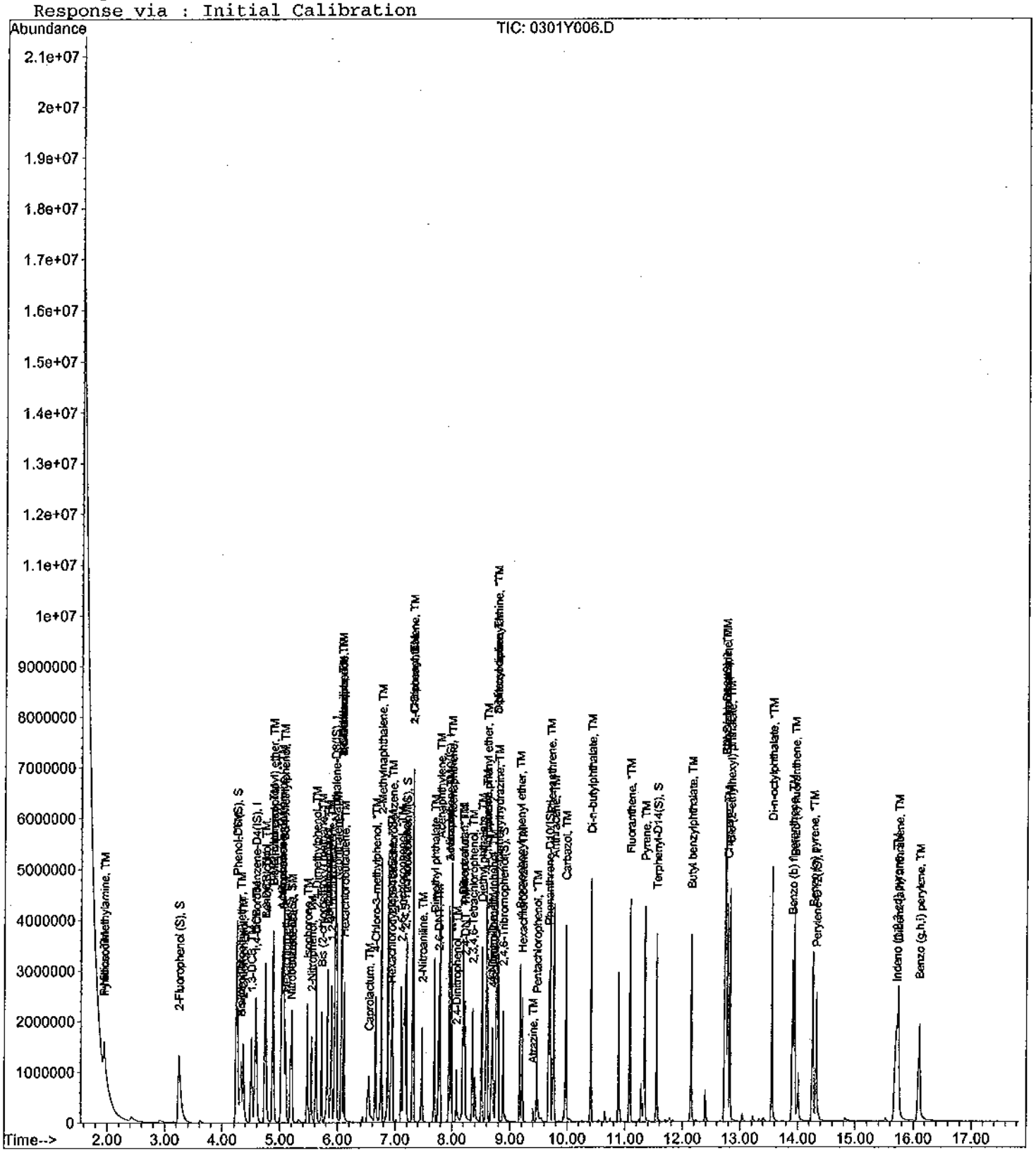
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Hexachlorocyclopentadiene	6.93	237	301752	52.75039 ppb	100
40) 1,2,4,5-Tetrachlorobenzene	6.95	216	612041	47.41533 ppb	100
41) 2,4,6-Trichlorophenol	7.10	196	429891	48.90080 ppb	100
42) 2,4,5-Trichlorophenol	7.17	196	468865	49.90422 ppb	100
43) 2-Chloronaphthalene	7.32	162	1347262	47.22164 ppb	100
45) 1,1'-Biphenyl	7.31	154	1755279	47.77971 ppb	100
46) 2-Nitroaniline	7.48	138	540829	49.85955 ppb	100
47) Dimethyl phthalate	7.69	163	1532324	47.12895 ppb	100
48) 2,6-DNT	7.76	165	373004	48.68752 ppb	100
49) Acenaphthylene	7.79	152	2266952	47.81008 ppb	100
50) 3-Nitroaniline	7.96	65	511632	49.13545 ppb	100
51) Acenaphthene	8.00	154	1345858	47.90110 ppb	100
52) 2,4-Dinitrophenol	8.08	184	214270	48.58749 ppb	100
53) 4-Nitrophenol	8.21	109	160012	51.60837 ppb	100
54) Dibenzofuran	8.19	139	1012680	52.62903 ppb	100
55) 2,4-DNT	8.23	165	512939	48.47378 ppb	100
56) 2,3,4,6-Tetrachlorophenol	8.36	232	352904	50.38134 ppb	100
57) Diethyl phthalate	8.52	149	1534694	47.51551 ppb	100
58) 4-Chlorophenyl phenyl ethe	8.61	204	745235	47.84820 ppb	100
59) Fluorene	8.59	165	1419805	47.08337 ppb	100
60) 4-Nitroaniline	8.69	138	412572	49.11517 ppb	100
63) Diphenyl amine	8.77	168	1485614	45.47786 ppb	100
64) 4,6-Dinitro-2-methylphenol	8.71	198	323569	51.10868 ppb	100
65) n-Nitrosodiphenylamine	8.77	167	789807	45.54911 ppb	100
66) 1,2-Diphenylhydrazine	8.79	182	458446	46.03452 ppb	100
67) 4-Bromophenyl phenyl ether	9.17	248	390228	46.96214 ppb	100
68) Hexachlorobenzene	9.22	284	428372	47.64716 ppb	100
69) Atrazine	9.41	200	36803	25.00416 ppb	100
70) Pentachlorophenol	9.47	266	256030	49.59706 ppb	100
71) Phenanthrene	9.70	178	2203871	45.50254 ppb	100
72) Anthracene	9.77	178	2371312	47.61357 ppb	100
73) Carbazol	9.97	167	2117266	47.21071 ppb	100
74) Di-n-butylphthalate	10.41	149	2488818	47.19059 ppb	100
75) Fluoranthene	11.09	202	2401099	48.54471 ppb	100
77) Pyrene	11.35	202	2509566	48.72411 ppb	100
79) Butyl benzylphthalate	12.15	149	1136367	49.77293 ppb	100
80) 3,3'-Dichlorobenzidine	12.75	252	727426	51.62704 ppb	100
81) Benz (a) anthracene	12.74	228	2027007	48.45268 ppb	100
82) Bis (2-ethylhexyl) phthala	12.83	149	1649423	48.92517 ppb	100
83) Chrysene	12.79	228	2119416	48.01112 ppb	100
84) Di-n-octylphthalate	13.55	149	2727031	50.18762 ppb	100
85) Indeno (1,2,3-cd) pyrene	15.70	276	2196972	49.36728 ppb	100
87) Benzo (b) fluoranthene	13.92	252	2054949	45.87189 ppb	100
88) Benzo (k) fluoranthene	13.94	252	2041119	49.37482 ppb	100
89) Benzo (a) pyrene	14.27	252	2004925	49.63359 ppb	100
90) Dibenz (a,h) anthracene	15.74	278	1893880	50.10632 ppb	100
91) Benzo (g,h,i) perylene	16.11	276	1818516	48.89750 ppb	100

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

Data File : M:\YODA\DATA\Y120301B\0301Y006.D Vial: 6
Acq On : 1 Mar 12 20:37 Operator: LF
Sample : 50 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:42 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y007.D Vial: 7
Acq On : 1 Mar 12 21:03 Operator: LF
Sample : 60 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	378196	40.00000 ppb		0.00
20) Napthalene-D8(IS)	5.95	136	1444404	40.00000 ppb		0.00
38) Acenaphthene-D10(IS)	7.95	164	802058	40.00000 ppb		0.00
62) Phenanthrene-D10(IS)	9.68	188	1471589	40.00000 ppb		0.00
76) Chrysene-D12(IS)	12.76	240	1319788	40.00000 ppb		0.00
86) Perylene-D12(IS)	14.33	264	1322864	40.00000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol (S)	3.24	112	1650318	119.85321 ppb		0.00
Spiked Amount 200.000			Recovery =	59.926%		
5) Phenol-D6 (S)	4.25	99	1954853	119.89651 ppb		0.00
Spiked Amount 200.000			Recovery =	59.949%		
21) Nitrobenzene-D5(S)	5.18	82	807772	59.02711 ppb		0.00
Spiked Amount 100.000			Recovery =	59.027%		
44) 2-Fluorobiphenyl(S)	7.20	172	1610180	57.37792 ppb		0.00
Spiked Amount 100.000			Recovery =	57.378%		
61) 2,4,6-Tribromophenol(S)	8.89	330	400445	117.68987 ppb		0.00
Spiked Amount 200.000			Recovery =	58.845%		
78) Terphenyl-D14(S)	11.55	244	1631496	59.16587 ppb		0.00
Spiked Amount 100.000			Recovery =	59.166%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.94	42	428057	61.98180 ppb		98
3) Pyridine	1.94	52	675667	65.45937 ppb		98
6) Phenol	4.26	94	1327759	60.23449 ppb		99
7) Aniline	4.33	93	1003990	58.55655 ppb	#	98
8) Bis (2-chloroethyl) ether	4.33	63	955772	72.69616 ppb		85
9) 2-Chlorophenol	4.36	128	985663	60.40729 ppb		99
10) 1,3-DCB	4.51	146	1095223	59.80220 ppb		99
11) 1,4-DCB	4.59	146	1126644	59.90665 ppb		99
12) Benzyl alcohol	4.75	79	757618	60.94259 ppb		98
13) 1,2-DCB	4.74	146	1019287	59.12648 ppb		99
14) 2-Methylphenol	4.88	108	899199	60.00167 ppb		100
15) Bis (2-chloroisopropyl) et	4.88	45	1457502	58.83901 ppb		99
16) Acetophenone	5.03	105	1278035	59.40472 ppb		97
17) 3&4-Methylphenol	5.06	107	2025815	119.26710 ppb		98
18) n-Nitrosodi-n-propylamine	5.04	43	657474	49.41908 ppb		88
19) Hexachloroethane	5.09	117	378810	59.95184 ppb		100
22) Nitrobenzene	5.20	77	977367	59.35356 ppb		97
23) Isophorone	5.48	82	1761305	59.93057 ppb		97
24) 2-Nitrophenol	5.55	139	550135	60.24388 ppb		95
25) 2,4-Dimethylphenol	5.63	107	953064	60.27493 ppb		95
26) Benzoic acid	5.86	105	541494	76.22556 ppb		95
27) Bis (2-chloroethoxy) metha	5.72	93	1034620	58.58280 ppb		96
28) 2,4-Dichlorophenol	5.82	162	764166	59.40327 ppb		97
29) 1,2,4-Trichlorobenzene	5.89	180	822201	58.96840 ppb		100
30) Naphthalene	5.98	128	2866909	59.28275 ppb		100
31) 4-Chloroaniline	6.07	127	1043138	61.28611 ppb	#	93
32) 2,6-Dichlorophenol	6.07	162	725358	57.68484 ppb		99
33) Hexachloropropene	6.07	213	466871	60.38810 ppb		99
34) Hexachlorobutadiene	6.11	225	414715	58.74936 ppb		99
35) Caprolactum	6.57	113	326906	62.67238 ppb		93
36) 4-Chloro-3-methylphenol	6.66	107	834826	60.99153 ppb		97
37) 2-Methylnaphthalene	6.76	142	1889124	58.52398 ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y007.D Vial: 7
Acq On : 1 Mar 12 21:03 Operator: LF
Sample : 60 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

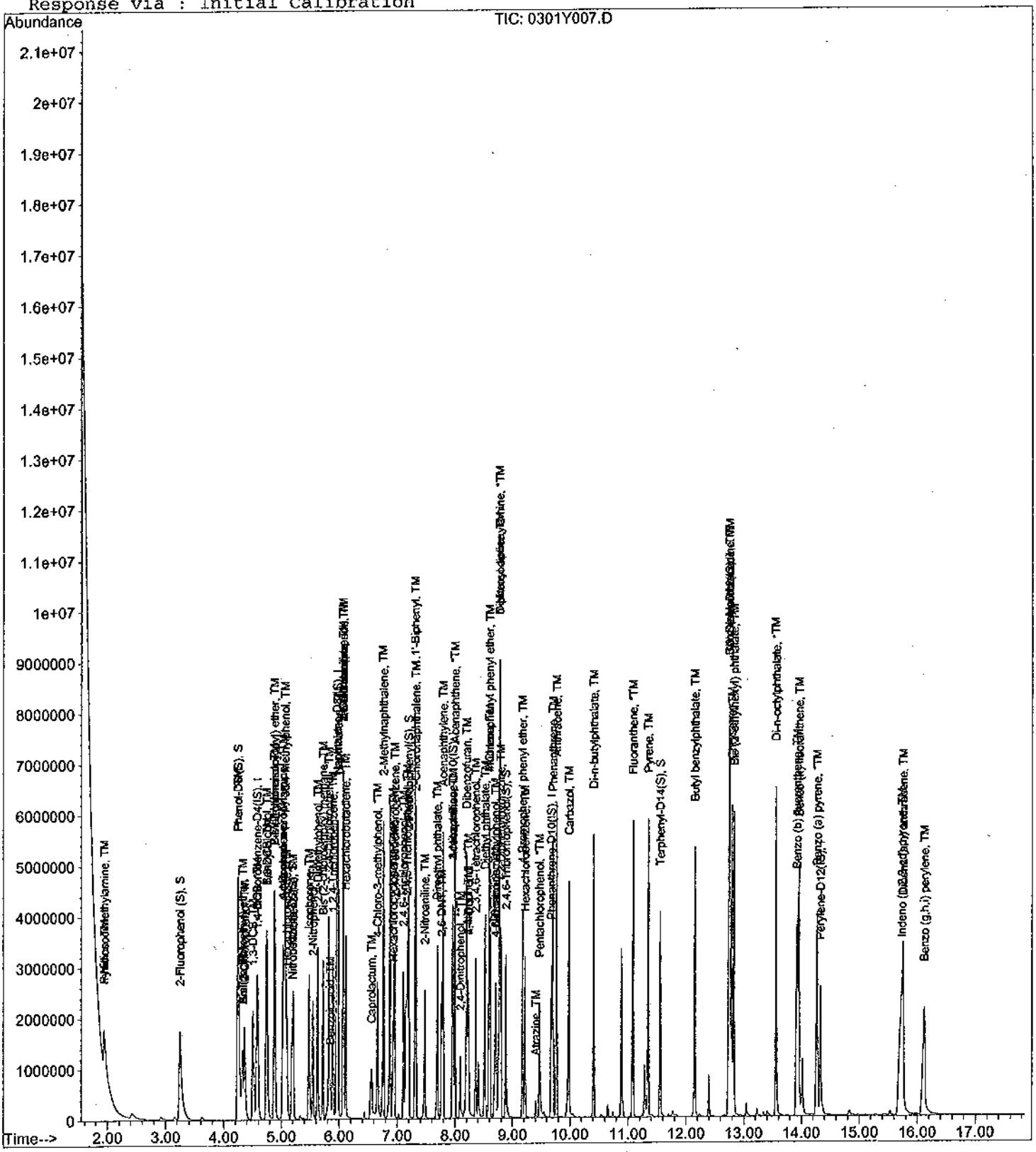
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Hexachlorocyclopentadiene	6.93	237	382485	65.89609	ppb		98
40)	1,2,4,5-Tetrachlorobenzene	6.96	216	767689	58.61292	ppb	#	90
41)	2,4,6-Trichlorophenol	7.11	196	549026	61.54889	ppb		99
42)	2,4,5-Trichlorophenol	7.17	196	563803	59.14071	ppb	#	96
43)	2-Chloronaphthalene	7.33	162	1699094	58.69162	ppb		94
45)	1,1'-Biphenyl	7.31	154	2085802	55.95516	ppb		98
46)	2-Nitroaniline	7.48	138	653542	59.37883	ppb		88
47)	Dimethyl phthalate	7.69	163	1975690	59.88605	ppb		98
48)	2,6-DNT	7.76	165	480474	61.80787	ppb		89
49)	Acenaphthylene	7.79	152	2790808	58.00652	ppb		99
50)	3-Nitroaniline	7.96	65	622868	58.95260	ppb		93
51)	Acenaphthene	8.00	154	1601935	56.19024	ppb		99
52)	2,4-Dinitrophenol	8.09	184	294265	62.88386	ppb	#	75
53)	4-Nitrophenol	8.22	109	208643	66.31949	ppb		94
54)	Dibenzofuran	8.20	139	1274828	65.29417	ppb		86
55)	2,4-DNT	8.23	165	669774	62.37910	ppb		90
56)	2,3,4,6-Tetrachlorophenol	8.36	232	437366	61.53581	ppb		95
57)	Diethyl phthalate	8.53	149	1931468	58.93467	ppb		98
58)	4-Chlorophenyl phenyl ethe	8.61	204	900389	56.97342	ppb		95
59)	Fluorene	8.59	165	1823947	59.61022	ppb		99
60)	4-Nitroaniline	8.70	138	517035	60.66044	ppb		97
63)	Diphenyl amine	8.78	168	1872930	56.77204	ppb		100
64)	4,6-Dinitro-2-methylphenol	8.71	198	410286	64.17019	ppb	#	71
65)	n-Nitrosodiphenylamine	8.78	167	1002223	57.23244	ppb		100
66)	1,2-Diphenylhydrazine	8.80	182	602084	59.86479	ppb	#	41
67)	4-Bromophenyl phenyl ether	9.17	248	485302	57.83096	ppb		99
68)	Hexachlorobenzene	9.22	284	532342	58.63077	ppb	#	89
69)	Atrazine	9.41	200	44186	29.72574	ppb		97
70)	Pentachlorophenol	9.47	266	338325	64.89603	ppb		99
71)	Phenanthrene	9.70	178	2843294	58.12864	ppb		100
72)	Anthracene	9.77	178	2851877	56.70114	ppb		99
73)	Carbazol	9.98	167	2679632	59.16423	ppb		98
74)	Di-n-butylphthalate	10.41	149	3100539	58.21278	ppb		100
75)	Fluoranthene	11.09	202	2880299	57.66182	ppb	#	91
77)	Pyrene	11.35	202	3010737	57.93184	ppb	#	90
79)	Butyl benzylphthalate	12.15	149	1421808	61.71842	ppb		90
80)	3,3'-Dichlorobenzidine	12.75	252	857650	60.32505	ppb		98
81)	Benz (a) anthracene	12.74	228	2501865	59.26874	ppb		100
82)	Bis (2-ethylhexyl) phthala	12.83	149	2011073	59.11904	ppb		99
83)	Chrysene	12.79	228	2514798	56.45832	ppb	#	96
84)	Di-n-octylphthalate	13.56	149	3272233	59.68291	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.72	276	2800949	62.37624	ppb		93
87)	Benzo (b) fluoranthene	13.92	252	2930954	63.32995	ppb		97
88)	Benzo (k) fluoranthene	13.95	252	2320261	54.32861	ppb		96
89)	Benzo (a) pyrene	14.27	252	2528795	60.59625	ppb	#	96
90)	Dibenz (a,h) anthracene	15.75	278	2390470	61.21782	ppb		99
91)	Benzo (g,h,i) perylene	16.12	276	2306594	60.03371	ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y007.D Vial: 7
Acq On : 1 Mar 12 21:03 Operator: LF
Sample : 60 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y008.D Vial: 8
Acq On : 1 Mar 12 21:29 Operator: LF
Sample : 80 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	372401	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1380350	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.96	164	762909	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1388679	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.77	240	1276168	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.33	264	1252423	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.25	112	2071334	152.77006 ppb	0.00
Spiked Amount 200.000			Recovery =	76.385%	
5) Phenol-D6 (S)	4.25	99	2432459	151.51096 ppb	0.02
Spiked Amount 200.000			Recovery =	75.756%	
21) Nitrobenzene-D5(S)	5.18	82	1019456	77.95262 ppb	0.00
Spiked Amount 100.000			Recovery =	77.953%	
44) 2-Fluorobiphenyl(S)	7.20	172	2014854	75.48263 ppb	0.00
Spiked Amount 100.000			Recovery =	75.483%	
61) 2,4,6-Tribromophenol(S)	8.90	330	512481	158.34598 ppb	0.00
Spiked Amount 200.000			Recovery =	79.173%	
78) Terphenyl-D14(S)	11.56	244	2054402	77.04900 ppb	0.00
Spiked Amount 100.000			Recovery =	77.049%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.94	42	525282	77.24336 ppb	96
3) Pyridine	1.94	52	837651	82.41539 ppb	98
6) Phenol	4.26	94	1646246	75.84498 ppb	92
7) Aniline	4.33	93	1295036	76.70683 ppb	100
8) Bis (2-chloroethyl) ether	4.33	63	1186508	91.65031 ppb	90
9) 2-Chlorophenol	4.37	128	1226575	76.34158 ppb	100
10) 1,3-DCB	4.50	146	1362428	75.54997 ppb	99
11) 1,4-DCB	4.59	146	1376502	74.33123 ppb	99
12) Benzyl alcohol	4.76	79	953511	77.89372 ppb	99
13) 1,2-DCB	4.75	146	1259779	74.21403 ppb	98
14) 2-Methylphenol	4.89	108	1108932	75.14820 ppb	100
15) Bis (2-chloroisopropyl) et	4.88	45	1788159	73.31087 ppb	100
16) Acetophenone	5.03	105	1587098	74.91833 ppb	99
17) 3&4-Methylphenol	5.07	107	2493292	149.07338 ppb	97
18) n-Nitrosodi-n-propylamine	5.04	43	743601	56.76258 ppb	95
19) Hexachloroethane	5.09	117	469205	75.41362 ppb	94
22) Nitrobenzene	5.21	77	1195969	75.99910 ppb	99
23) Isophorone	5.49	82	2199071	78.29834 ppb	97
24) 2-Nitrophenol	5.54	139	696616	79.82457 ppb	92
25) 2,4-Dimethylphenol	5.63	107	1147237	75.92193 ppb	99
26) Benzoic acid	5.88	105	703477	103.62304 ppb	97
27) Bis (2-chloroethoxy) metha	5.72	93	1319376	78.17309 ppb	93
28) 2,4-Dichlorophenol	5.83	162	950716	77.33444 ppb	99
29) 1,2,4-Trichlorobenzene	5.90	180	1019898	76.54160 ppb	100
30) Naphthalene	5.98	128	3369528	72.90931 ppb	99
31) 4-Chloroaniline	6.07	127	1175934	72.29407 ppb	99
32) 2,6-Dichlorophenol	6.07	162	893114	74.32170 ppb	99
33) Hexachloropropene	6.06	213	577583	78.17508 ppb	98
34) Hexachlorobutadiene	6.11	225	502882	74.54507 ppb	97
35) Caprolactum	6.58	113	355487	71.31428 ppb	96
36) 4-Chloro-3-methylphenol	6.67	107	1023505	78.24615 ppb	100
37) 2-Methylnaphthalene	6.77	142	2406456	78.01009 ppb	99

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

Data File : M:\YODA\DATA\Y120301B\0301Y008.D Vial: 8
Acq On : 1 Mar 12 21:29 Operator: LF
Sample : 80 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

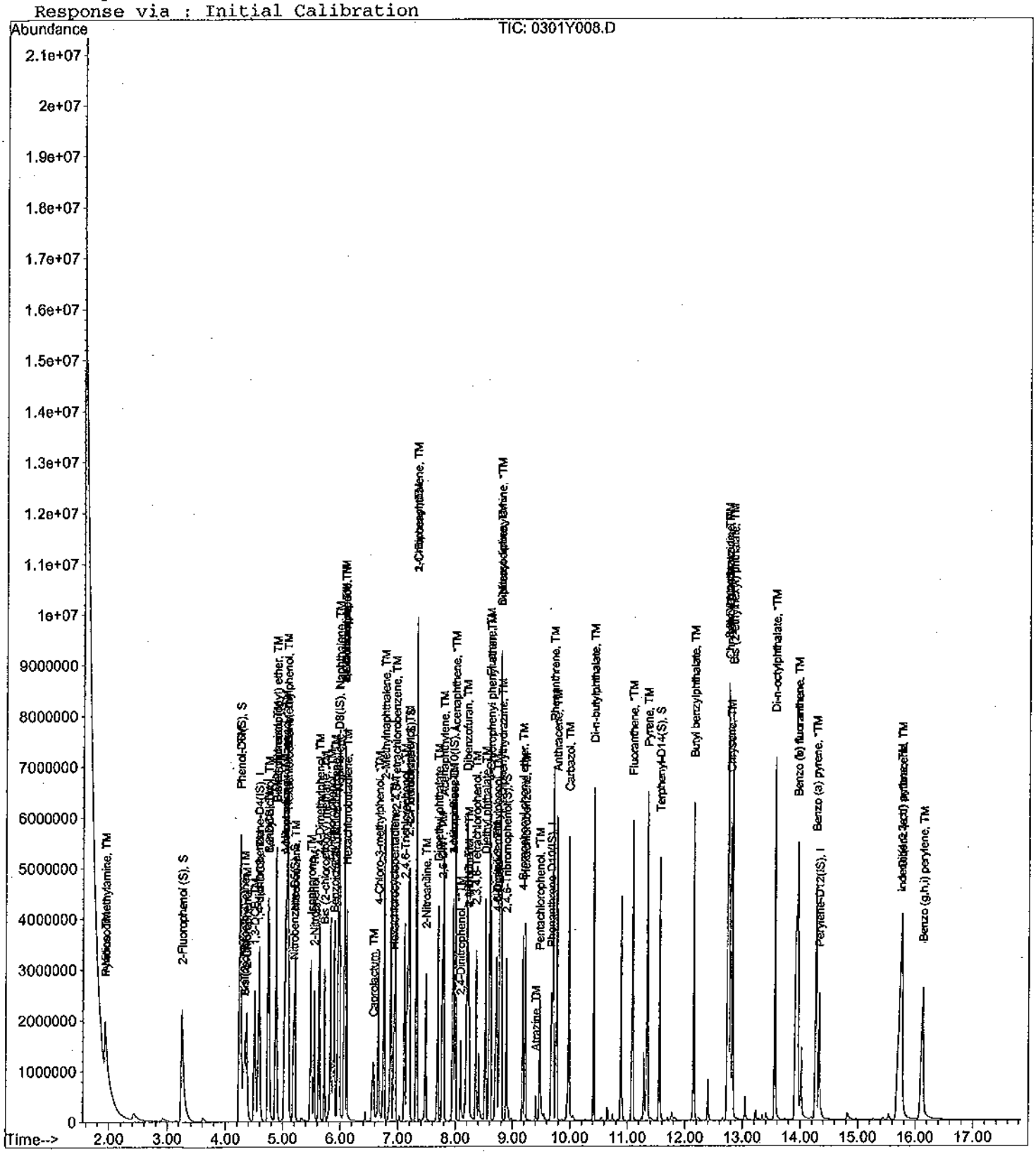
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Hexachlorocyclopentadiene	6.93	237	494035	89.48206	ppb		98
40)	1,2,4,5-Tetrachlorobenzene	6.96	216	925879	74.31822	ppb		95
41)	2,4,6-Trichlorophenol	7.11	196	665678	78.45571	ppb		96
42)	2,4,5-Trichlorophenol	7.18	196	689171	76.00098	ppb		97
43)	2-Chloronaphthalene	7.33	162	2018498	73.30271	ppb		98
45)	1,1'-Biphenyl	7.32	154	2709823	76.42598	ppb		99
46)	2-Nitroaniline	7.48	138	839684	80.20603	ppb		95
47)	Dimethyl phthalate	7.70	163	2391933	76.22351	ppb		97
48)	2,6-DNT	7.77	165	566559	76.62174	ppb		94
49)	Acenaphthylene	7.80	152	3555617	77.69532	ppb		100
50)	3-Nitroaniline	7.97	65	782500	77.86179	ppb		96
51)	Acenaphthene	7.99	154	2068945	76.29533	ppb		100
52)	2,4-Dinitrophenol	8.10	184	374498	81.38485	ppb	#	30
53)	4-Nitrophenol	8.23	109	270299	90.32642	ppb		95
54)	Dibenzofuran	8.20	139	1558056	83.89555	ppb		94
55)	2,4-DNT	8.24	165	809318	79.24340	ppb		93
56)	2,3,4,6-Tetrachlorophenol	8.37	232	564307	83.47018	ppb		97
57)	Diethyl phthalate	8.52	149	2418397	77.57896	ppb		100
58)	4-Chlorophenyl phenyl ethe	8.62	204	1174119	78.10651	ppb		91
59)	Fluorene	8.60	165	2165612	74.40844	ppb		100
60)	4-Nitroaniline	8.72	138	663666	81.85933	ppb		94
63)	Diphenyl amine	8.78	168	2471851	79.39989	ppb		98
64)	4,6-Dinitro-2-methylphenol	8.73	198	525383	87.07778	ppb		97
65)	n-Nitrosodiphenylamine	8.78	167	1278882	77.39145	ppb		99
66)	1,2-Diphenylhydrazine	8.80	182	700905	73.85130	ppb		92
67)	4-Bromophenyl phenyl ether	9.18	248	625522	78.99064	ppb		100
68)	Hexachlorobenzene	9.22	284	657301	76.71563	ppb	#	78
69)	Atrazine	9.41	200	54870	39.11719	ppb		94
70)	Pentachlorophenol	9.48	266	431554	87.72105	ppb		99
71)	Phenanthrene	9.71	178	3391357	73.47279	ppb		100
72)	Anthracene	9.78	178	3626899	76.41544	ppb		100
73)	Carbazol	9.98	167	3193391	74.71724	ppb		100
74)	Di-n-butylphthalate	10.42	149	4159024	82.74795	ppb		99
75)	Fluoranthene	11.09	202	3755700	79.67578	ppb	#	88
77)	Pyrene	11.35	202	3885947	77.32817	ppb	#	84
79)	Butyl benzylphthalate	12.15	149	1668227	74.89026	ppb		84
80)	3,3'-Dichlorobenzidine	12.76	252	1088299	79.16481	ppb		100
81)	Benz (a) anthracene	12.75	228	3060333	74.97679	ppb		99
82)	Bis (2-ethylhexyl) phthala	12.83	149	2391650	72.70989	ppb		95
83)	Chrysene	12.80	228	3364921	78.12609	ppb		99
84)	Di-n-octylphthalate	13.56	149	4324941	81.57973	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.74	276	3521995	81.11460	ppb		89
87)	Benzo (b) fluoranthene	13.95	252	6537172	149.19498	ppb	#	95
88)	Benzo (k) fluoranthene	13.95	252	6537172	161.67609	ppb		99
89)	Benzo (a) pyrene	14.28	252	3112107	78.76818	ppb	#	96
90)	Dibenz (a,h) anthracene	15.76	278	3003390	81.24011	ppb	#	91
91)	Benzo (g,h,i) perylene	16.13	276	2882494	79.24222	ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y008.D Vial: 8
Acq On : 1 Mar 12 21:29 Operator: LF
Sample : 80 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y009.D Vial: 9
Acq On : 1 Mar 12 21:54 Operator: LF
Sample : 100 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	378100	40.00000	ppb		0.00
20) Napthalene-D8(IS)	5.96	136	1408593	40.00000	ppb		0.00
38) Acenaphthene-D10(IS)	7.96	164	787447	40.00000	ppb		0.00
62) Phenanthrene-D10(IS)	9.68	188	1455434	40.00000	ppb		0.00
76) Chrysene-D12(IS)	12.77	240	1256364	40.00000	ppb		0.00
86) Perylene-D12(IS)	14.33	264	1313439	40.00000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol (S)	3.25	112	2549554	185.20662	ppb		0.00
Spiked Amount 200.000			Recovery = 92.604%				
5) Phenol-D6 (S)	4.26	99	2991654	183.53295	ppb		0.03
Spiked Amount 200.000			Recovery = 91.766%				
21) Nitrobenzene-D5(S)	5.19	82	1244154	93.22664	ppb		0.00
Spiked Amount 100.000			Recovery = 93.227%				
44) 2-Fluorobiphenyl(S)	7.21	172	2401769	87.17382	ppb		0.00
Spiked Amount 100.000			Recovery = 87.174%				
61) 2,4,6-Tribromophenol(S)	8.89	330	635275	190.17019	ppb		0.00
Spiked Amount 200.000			Recovery = 95.085%				
78) Terphenyl-D14(S)	11.56	244	2435694	92.78903	ppb		0.00
Spiked Amount 100.000			Recovery = 92.789%				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.94	42	652393	94.48919	ppb		99
3) Pyridine	1.94	52	1031318	99.94060	ppb		99
6) Phenol	4.27	94	2060191	93.48539	ppb		87
7) Aniline	4.34	93	1686404	98.38252	ppb		99
8) Bis (2-chloroethyl) ether	4.34	63	1481443	112.70739	ppb		87
9) 2-Chlorophenol	4.37	128	1528446	93.69605	ppb		99
10) 1,3-DCB	4.50	146	1695015	92.57600	ppb		99
11) 1,4-DCB	4.59	146	1714016	91.16192	ppb		99
12) Benzyl alcohol	4.76	79	1183092	95.19177	ppb		99
13) 1,2-DCB	4.75	146	1569896	91.08916	ppb		98
14) 2-Methylphenol	4.89	108	1369650	91.41709	ppb		99
15) Bis (2-chloroisopropyl) et	4.89	45	2175744	87.85656	ppb		99
16) Acetophenone	5.04	105	2004581	93.19918	ppb		98
17) 3&4-Methylphenol	5.08	107	3045156	179.32493	ppb		98
18) n-Nitrosodi-n-propylamine	5.04	43	814747	61.25606	ppb		74
19) Hexachloroethane	5.10	117	561107	88.82537	ppb		89
22) Nitrobenzene	5.22	77	1537218	95.72551	ppb		93
23) Isophorone	5.50	82	2733932	95.39041	ppb		95
24) 2-Nitrophenol	5.55	139	870521	97.75209	ppb		98
25) 2,4-Dimethylphenol	5.64	107	1437000	93.19112	ppb		100
26) Benzoic acid	5.91	105	925906	133.65248	ppb		99
27) Bis (2-chloroethoxy) metha	5.73	93	1575534	91.47874	ppb		95
28) 2,4-Dichlorophenol	5.83	162	1141763	91.01266	ppb		96
29) 1,2,4-Trichlorobenzene	5.90	180	1253570	92.19197	ppb		100
30) Naphthalene	5.99	128	4268152	90.50186	ppb		100
31) 4-Chloroaniline	6.08	127	1464018	88.20025	ppb	#	94
32) 2,6-Dichlorophenol	6.07	162	1089115	88.81497	ppb		100
33) Hexachloropropene	6.07	213	724086	96.03904	ppb		100
34) Hexachlorobutadiene	6.12	225	636944	92.52472	ppb		100
35) Caprolactum	6.60	113	438597	86.22280	ppb		97
36) 4-Chloro-3-methylphenol	6.68	107	1303345	97.64187	ppb		94
37) 2-Methylnaphthalene	6.77	142	2826460	89.78823	ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y009.D Vial: 9
Acq On : 1 Mar 12 21:54 Operator: LF
Sample : 100 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	Hexachlorocyclopentadiene	6.94	237	628903	110.36042 ppb		99
40)	1,2,4,5-Tetrachlorobenzene	6.95	216	1160393	90.23968 ppb		99
41)	2,4,6-Trichlorophenol	7.12	196	840693	95.99513 ppb		92
42)	2,4,5-Trichlorophenol	7.19	196	863929	92.30424 ppb		98
43)	2-Chloronaphthalene	7.34	162	2581908	90.84142 ppb		94
45)	1,1'-Biphenyl	7.32	154	3002788	82.04954 ppb		98
46)	2-Nitroaniline	7.48	138	1073686	99.36189 ppb		87
47)	Dimethyl phthalate	7.71	163	3074812	94.93140 ppb		91
48)	2,6-DNT	7.78	165	739338	96.87268 ppb		94
49)	Acenaphthylene	7.80	152	4197568	88.86465 ppb		100
50)	3-Nitroaniline	7.98	65	973082	93.80821 ppb		98
51)	Acenaphthene	8.00	154	2465385	88.08160 ppb		99
52)	2,4-Dinitrophenol	8.10	184	479975	99.08866 ppb	#	75
53)	4-Nitrophenol	8.24	109	343283	111.14094 ppb		96
54)	Dibenzofuran	8.21	139	2022969	105.53499 ppb		87
55)	2,4-DNT	8.24	165	982918	93.24222 ppb		91
56)	2,3,4,6-Tetrachlorophenol	8.37	232	671807	96.27463 ppb		93
57)	Diethyl phthalate	8.53	149	3006936	93.45272 ppb		99
58)	4-Chlorophenyl phenyl ethe	8.62	204	1319758	85.05911 ppb		98
59)	Fluorene	8.60	165	2701486	89.92816 ppb		99
60)	4-Nitroaniline	8.73	138	778464	93.02690 ppb		96
63)	Diphenyl amine	8.78	168	2940299	90.11529 ppb		100
64)	4,6-Dinitro-2-methylphenol	8.74	198	646112	102.17590 ppb	#	77
65)	n-Nitrosodiphenylamine	8.78	167	1510900	87.23838 ppb		99
66)	1,2-Diphenylhydrazine	8.81	182	891170	89.59194 ppb	#	54
67)	4-Bromophenyl phenyl ether	9.18	248	732185	88.21922 ppb		99
68)	Hexachlorobenzene	9.23	284	811078	90.32158 ppb	#	90
69)	Atrazine	9.41	200	68833	46.82079 ppb		99
70)	Pentachlorophenol	9.48	266	544376	105.57887 ppb		99
71)	Phenanthrene	9.71	178	4317259	89.24224 ppb		100
72)	Anthracene	9.78	178	4241633	85.26839 ppb		99
73)	Carbazol	9.99	167	4096993	91.46255 ppb		98
74)	Di-n-butylphthalate	10.42	149	4727743	89.74888 ppb		100
75)	Fluoranthene	11.09	202	4321840	87.48094 ppb	#	89
77)	Pyrene	11.35	202	4532163	91.60913 ppb	#	87
79)	Butyl benzylphthalate	12.16	149	2273499	103.67101 ppb		98
80)	3,3'-Dichlorobenzidine	12.76	252	1257319	92.90130 ppb		98
81)	Benz (a) anthracene	12.75	228	3883831	96.65200 ppb		100
82)	Bis (2-ethylhexyl) phthala	12.84	149	3125013	96.50283 ppb		99
83)	Chrysene	12.80	228	3870489	91.28079 ppb	#	96
84)	Di-n-octylphthalate	13.56	149	5140104	98.48416 ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.75	276	4398524	102.89864 ppb		88
87)	Benzo (b) fluoranthene	13.96	252	8002265	174.14795 ppb	#	96
88)	Benzo (k) fluoranthene	13.96	252	8002265	188.71653 ppb		99
89)	Benzo (a) pyrene	14.29	252	3813441	92.03530 ppb	#	96
90)	Dibenz (a,h) anthracene	15.77	278	3654804	94.26793 ppb		99
91)	Benzo (g,h,i) perylene	16.15	276	3631059	95.18371 ppb		95

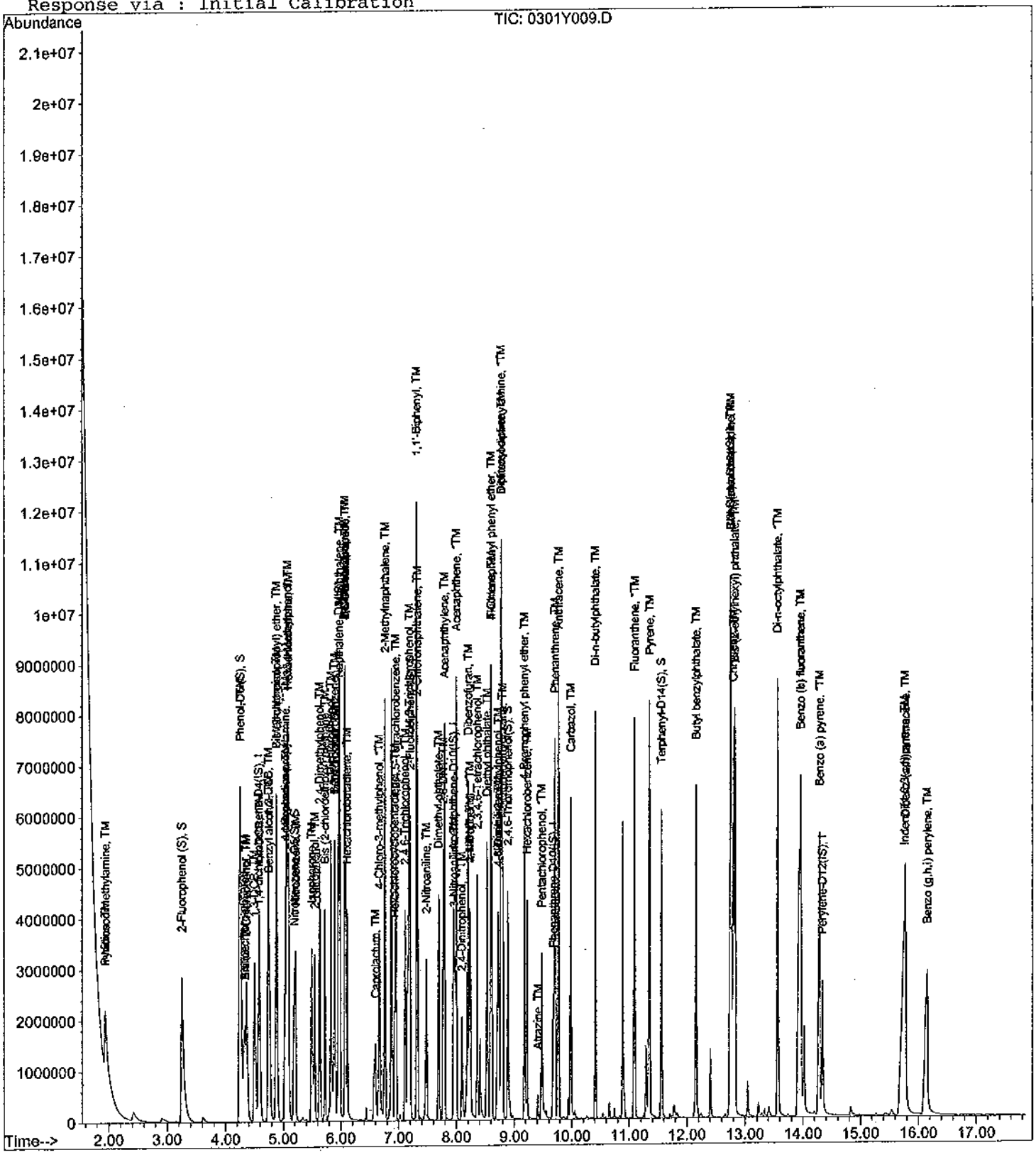
(#) = qualifier out of range (m) = manual integration

Data File : M:\YODA\DATA\Y120301B\0301Y009.D
Acq On : 1 Mar 12 21:54
Sample : 100 ug/mL SVOC
Misc :

Vial: 9
Operator: LF
Inst : YODA
Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y010.D Vial: 10
Acq On : 1 Mar 12 22:20 Operator: LF
Sample : 50 ug/mL SVOC SS 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 10:48 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	396037	40.00000 ppb		0.00
20) Napthalene-D8(IS)	5.95	136	1457440	40.00000 ppb		0.00
38) Acenaphthene-D10(IS)	7.95	164	812099	40.00000 ppb		0.00
62) Phenanthrene-D10(IS)	9.67	188	1480398	40.00000 ppb		0.00
76) Chrysene-D12(IS)	12.76	240	1343179	40.00000 ppb		0.00
86) Perylene-D12(IS)	14.32	264	1318198	40.00000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol (S)	0.00	112	0	0.00000 ppb		
Spiked Amount 200.000			Recovery =	0.000%		
5) Phenol-D6 (S)	0.00	99	0	0.00000 ppb		
Spiked Amount 200.000			Recovery =	0.000%		
21) Nitrobenzene-D5(S)	0.00	82	0d	0.00000 ppb		
Spiked Amount 100.000			Recovery =	0.000%		
44) 2-Fluorobiphenyl(S)	0.00	172	0d	0.00000 ppb		
Spiked Amount 100.000			Recovery =	0.000%		
61) 2,4,6-Tribromophenol(S)	0.00	330	0d	0.00000 ppb		
Spiked Amount 200.000			Recovery =	0.000%		
78) Terphenyl-D14(S)	0.00	244	0d	0.00000 ppb		
Spiked Amount 100.000			Recovery =	0.000%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.94	42	358137	49.30914 ppb		95
3) Pyridine	1.94	52	526087	48.67185 ppb		100
6) Phenol	4.24	94	1096417	47.49883 ppb		79
7) Aniline	4.32	93	829026	46.17378 ppb		99
8) Bis (2-chloroethyl) ether	4.32	63	610505	44.34326 ppb		97
9) 2-Chlorophenol	4.36	128	819551	47.96430 ppb		100
10) 1,3-DCB	4.50	146	924872	48.22558 ppb		99
11) 1,4-DCB	4.59	146	933569	47.40410 ppb		99
12) Benzyl alcohol	4.75	79	628771	48.29969 ppb		99
13) 1,2-DCB	4.74	146	855816	47.40751 ppb		99
14) 2-Methylphenol	4.88	108	746404	47.56228 ppb		99
15) Bis (2-chloroisopropyl) et	4.88	45	1224008	47.18692 ppb		100
16) Acetophenone	5.02	105	1082542	48.05119 ppb		99
17) 3&4-Methylphenol	5.06	107	1691180	95.08059 ppb		100
18) n-Nitrosodi-n-propylamine	5.03	43	660444	47.40599 ppb		96
19) Hexachloroethane	5.09	117	320191	48.39175 ppb		100
22) Nitrobenzene	5.20	77	823685	49.49737 ppb		99
23) Isophorone	5.48	82	1465139	49.33223 ppb		93
24) 2-Nitrophenol	5.54	139	468421	50.75964 ppb		98
25) 2,4-Dimethylphenol	5.62	107	786610	49.22748 ppb		99
26) Benzoic acid	5.84	105	345828	40.36737 ppb		100
27) Bis (2-chloroethoxy) metha	5.72	93	894917	50.14223 ppb		98
28) 2,4-Dichlorophenol	5.82	162	645636	49.66296 ppb		99
29) 1,2,4-Trichlorobenzene	5.89	180	694473	49.28652 ppb		99
30) Naphthalene	5.98	128	2417012	49.45584 ppb		100
31) 4-Chloroaniline	6.07	127	883098	51.33804 ppb	#	91
32) 2,6-Dichlorophenol	6.06	162	617531	48.59466 ppb		99
33) Hexachloropropene	6.06	213	393239	50.33177 ppb		99
34) Hexachlorobutadiene	6.11	225	341087	47.81311 ppb		98
35) Caprolactum	6.55	113	279030	52.93204 ppb		91
36) 4-Chloro-3-methylphenol	6.66	107	688653	49.78665 ppb		99
37) 2-Methylnaphthalene	6.76	142	1587245	48.65651 ppb		100

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

Data File : M:\YODA\DATA\Y120301B\0301Y010.D Vial: 10
Acq On : 1 Mar 12 22:20 Operator: LF
Sample : 50 ug/mL SVOC SS 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 10:48 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

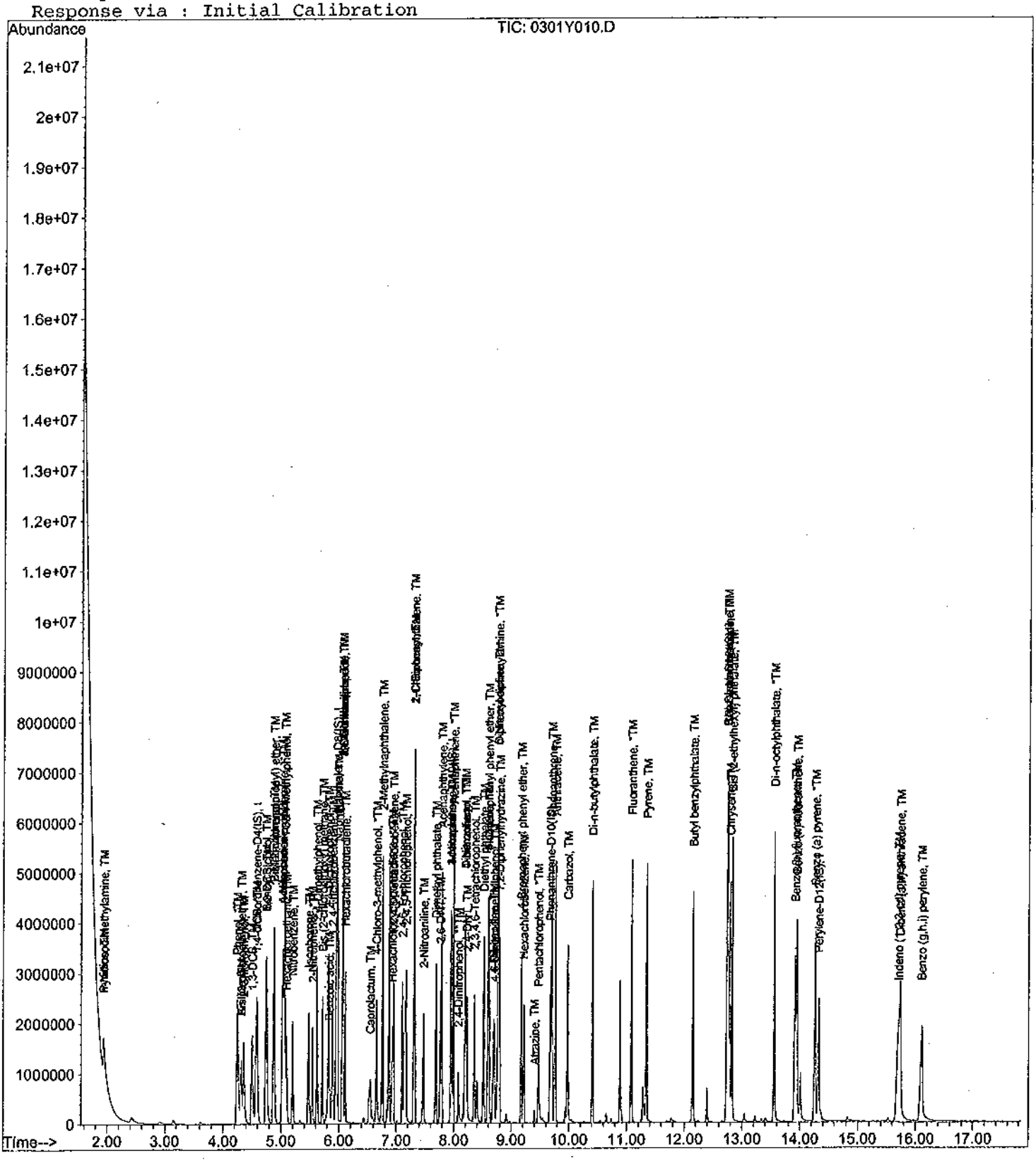
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Hexachlorocyclopentadiene	6.93	237	307839	52.38002	ppb		97
40)	1,2,4,5-Tetrachlorobenzene	6.95	216	651315	49.11294	ppb	#	88
41)	2,4,6-Trichlorophenol	7.10	196	452259	50.07389	ppb		99
42)	2,4,5-Trichlorophenol	7.17	196	492789	51.05249	ppb		98
43)	2-Chloronaphthalene	7.32	162	1410718	48.12777	ppb		99
45)	1,1'-Biphenyl	7.31	154	1844696	48.87521	ppb		100
46)	2-Nitroaniline	7.47	138	564480	50.65280	ppb		93
47)	Dimethyl phthalate	7.69	163	1611822	48.25261	ppb		97
48)	2,6-DNT	7.76	165	383648	48.74203	ppb		92
49)	Acenaphthylene	7.79	152	2373164	48.71597	ppb		99
50)	3-Nitroaniline	7.96	65	530192	49.56064	ppb		98
51)	Acenaphthene	7.99	154	1385242	47.98864	ppb		100
52)	2,4-Dinitrophenol	8.09	184	243133	52.81242	ppb	#	67
53)	4-Nitrophenol	8.21	109	170072	53.39087	ppb		95
54)	Dibenzofuran	8.20	139	1078506	54.55596	ppb		91
55)	2,4-DNT	8.23	165	536705	49.36775	ppb		92
56)	2,3,4,6-Tetrachlorophenol	8.36	232	368639	51.22488	ppb		98
57)	Diethyl phthalate	8.51	149	1622533	48.89604	ppb		100
58)	4-Chlorophenyl phenyl ethe	8.61	204	758149	47.37982	ppb		98
59)	Fluorene	8.59	165	1505527	48.59526	ppb		100
60)	4-Nitroaniline	8.69	138	441275	51.13187	ppb		98
63)	Diphenyl amine	8.76	168	1624095	48.89469	ppb		100
64)	4,6-Dinitro-2-methylphenol	8.71	198	349551	54.34571	ppb		98
65)	n-Nitrosodiphenylamine	8.76	167	865085	49.06482	ppb		99
66)	1,2-Diphenylhydrazine	8.79	182	493843	48.76908	ppb		93
67)	4-Bromophenyl phenyl ether	9.17	248	407149	48.18958	ppb		99
68)	Hexachlorobenzene	9.22	284	449667	49.18990	ppb		98
69)	Atrazine	9.41	200	37292	24.92035	ppb		99
70)	Pentachlorophenol	9.47	266	286544	56.49304	ppb		100
71)	Phenanthrene	9.70	178	2316037	47.02603	ppb		100
72)	Anthracene	9.77	178	2466154	48.69861	ppb		99
73)	Carbazol	9.98	167	2223777	48.76716	ppb		96
74)	Di-n-butylphthalate	10.41	149	2610612	48.68429	ppb		100
75)	Fluoranthene	11.09	202	2493281	49.57755	ppb		95
77)	Pyrene	11.35	202	2561067	48.42122	ppb		93
79)	Butyl benzylphthalate	12.15	149	1205019	51.39703	ppb		92
80)	3,3'-Dichlorobenzidine	12.75	252	760437	52.55586	ppb		100
81)	Benz (a) anthracene	12.74	228	2118423	49.31111	ppb		100
82)	Bis (2-ethylhexyl) phthala	12.83	149	1744020	50.37572	ppb		98
83)	Chrysene	12.79	228	2206526	48.67480	ppb	#	97
84)	Di-n-octylphthalate	13.55	149	2820358	50.54524	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.70	276	2349746	51.41682	ppb		100
87)	Benzo (b) fluoranthene	13.92	252	2517860	54.59668	ppb		98
88)	Benzo (k) fluoranthene	13.95	252	1877833	44.12485	ppb	#	92
89)	Benzo (a) pyrene	14.27	252	2091183	50.28734	ppb		98
90)	Dibenz (a,h) anthracene	15.74	278	2020934	51.93753	ppb		93
91)	Benzo (g,h,i) perylene	16.11	276	1867209	48.76986	ppb		98

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

Data File : M:\YODA\DATA\Y120301B\0301Y010.D Vial: 10
Acq On : 1 Mar 12 22:20 Operator: LF
Sample : 50 ug/mL SVOC SS 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 10:48 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y002.D Vial: 2
Acq On : 2 Mar 12 18:02 Operator: LF
Sample : 50 ug/mL SVOC 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 10:49 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	405747	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1464131	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	810897	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.68	188	1481901	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.76	240	1312558	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.33	264	1292795	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.24	112	1338656	90.61762 ppb	0.00
Spiked Amount 200.000			Recovery =	45.309%	
5) Phenol-D6 (S)	4.24	99	1584795	90.59978 ppb	0.00
Spiked Amount 200.000			Recovery =	45.300%	
21) Nitrobenzene-D5(S)	5.18	82	645467	46.46038 ppb	0.00
Spiked Amount 100.000			Recovery =	46.460%	
44) 2-Fluorobiphenyl(S)	7.20	172	1292396	45.55185 ppb	0.00
Spiked Amount 100.000			Recovery =	45.552%	
61) 2,4,6-Tribromophenol(S)	8.89	330	315349	91.67011 ppb	0.00
Spiked Amount 200.000			Recovery =	45.835%	
78) Terphenyl-D14(S)	11.55	244	1247800	45.50047 ppb	0.00
Spiked Amount 100.000			Recovery =	45.500%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.94	42	361730	48.52333 ppb	95
3) Pyridine	1.95	52	514934	46.49993 ppb	99
6) Phenol	4.26	94	1095752	46.33401 ppb	97
7) Aniline	4.32	93	855738	46.52094 ppb	100
8) Bis (2-chloroethyl) ether	4.32	63	608296	43.12546 ppb	98
9) 2-Chlorophenol	4.36	128	810224	46.28365 ppb	98
10) 1,3-DCB	4.51	146	910964	46.36363 ppb	99
11) 1,4-DCB	4.59	146	937061	46.44274 ppb	99
12) Benzyl alcohol	4.75	79	617854	46.32529 ppb	99
13) 1,2-DCB	4.74	146	856228	46.29527 ppb	99
14) 2-Methylphenol	4.88	108	733938	45.64871 ppb	99
15) Bis (2-chloroisopropyl) et	4.88	45	1241207	46.70485 ppb	99
16) Acetophenone	5.03	105	1057786	45.82871 ppb	99
17) 3&4-Methylphenol	5.06	107	1648205	90.44691 ppb	99
18) n-Nitrosodi-n-propylamine	5.04	43	653086	45.75600 ppb	97
19) Hexachloroethane	5.09	117	314866	46.44815 ppb	99
22) Nitrobenzene	5.20	77	812839	48.62239 ppb	100
23) Isophorone	5.47	82	1429699	47.91895 ppb	100
24) 2-Nitrophenol	5.55	139	445266	48.02999 ppb	99
25) 2,4-Dimethylphenol	5.62	107	755973	47.09396 ppb	99
26) Benzoic acid	5.84	105	352024	40.82756 ppb	99
27) Bis (2-chloroethoxy) metha	5.72	93	864854	48.23635 ppb	100
28) 2,4-Dichlorophenol	5.82	162	626286	47.95439 ppb	100
29) 1,2,4-Trichlorobenzene	5.89	180	667575	47.16106 ppb	100
30) Naphthalene	5.98	128	2333195	47.52264 ppb	100
31) 4-Chloroaniline	6.07	127	831032	48.09045 ppb	99
32) 2,6-Dichlorophenol	6.07	162	595825	46.67231 ppb	99
33) Hexachloropropene	6.07	213	373712	47.61386 ppb	99
34) Hexachlorobutadiene	6.11	225	337383	47.07776 ppb	99
35) Caprolactum	6.56	113	257607	48.64477 ppb	99
36) 4-Chloro-3-methylphenol	6.66	107	670405	48.24590 ppb	99
37) 2-Methylnaphthalene	6.76	142	1537137	46.90512 ppb	99

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

Data File : M:\YODA\DATA\Y120301B\0302Y002.D Vial: 2
Acq On : 2 Mar 12 18:02 Operator: LF
Sample : 50 ug/mL SVOC 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 10:49 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

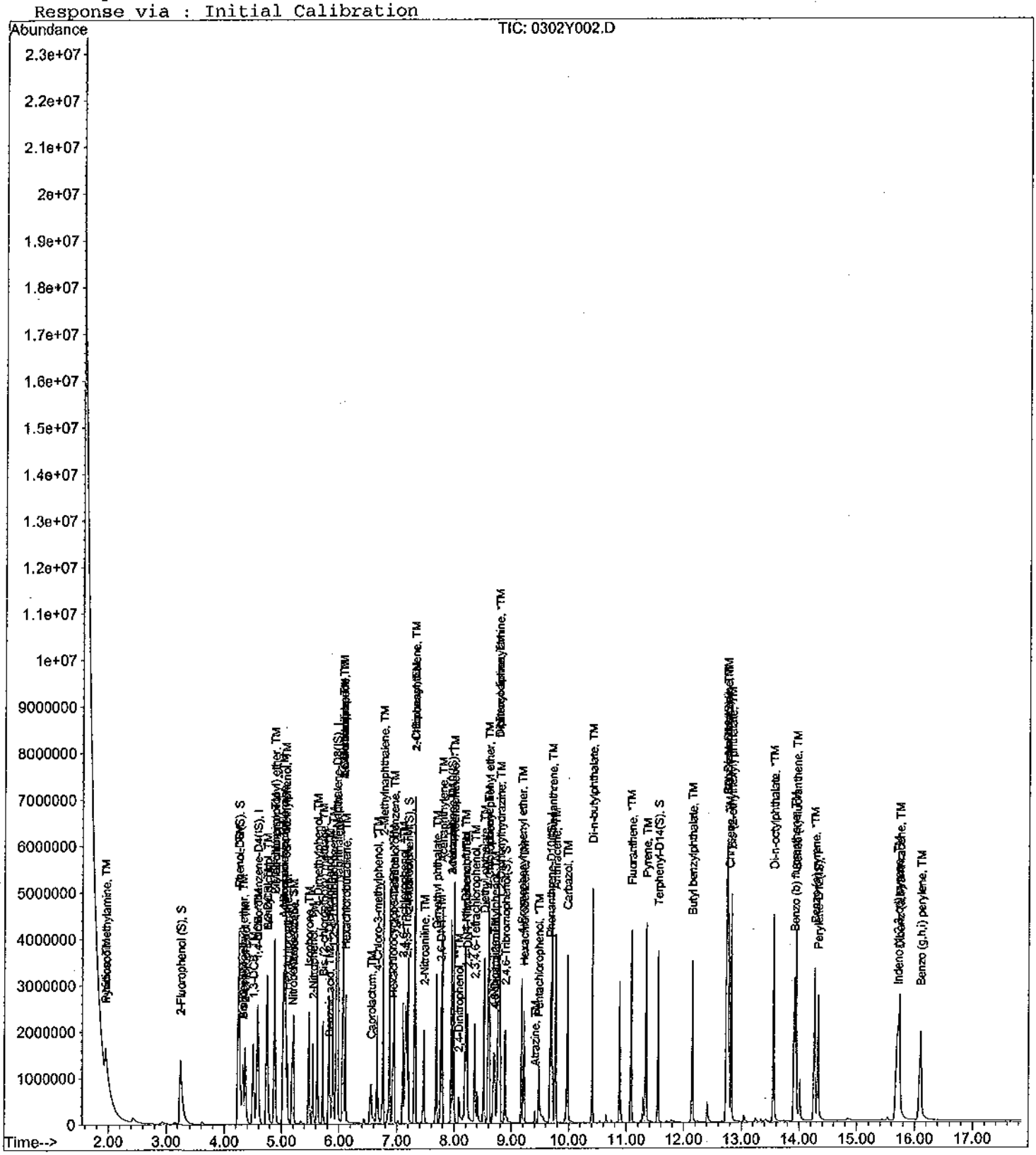
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39) Hexachlorocyclopentadiene	6.93	237	281400	47.95230	ppb		99
40) 1,2,4,5-Tetrachlorobenzene	6.95	216	614529	46.40775	ppb		98
41) 2,4,6-Trichlorophenol	7.11	196	428244	47.48525	ppb		99
42) 2,4,5-Trichlorophenol	7.17	196	464332	48.17568	ppb		99
43) 2-Chloronaphthalene	7.32	162	1363580	46.58857	ppb		99
45) 1,1'-Biphenyl	7.31	154	1806010	47.92116	ppb		99
46) 2-Nitroaniline	7.48	138	541185	48.63444	ppb		98
47) Dimethyl phthalate	7.69	163	1554944	46.61887	ppb		100
48) 2,6-DNT	7.76	165	375137	47.73136	ppb		99
49) Acenaphthylene	7.79	152	2280374	46.88058	ppb		100
50) 3-Nitroaniline	7.96	65	517185	48.41645	ppb		99
51) Acenaphthene	8.00	154	1349528	46.82071	ppb		100
52) 2,4-Dinitrophenol	8.09	184	176642	40.64401	ppb	#	71
53) 4-Nitrophenol	8.21	109	143897	45.24068	ppb		94
54) Dibenzofuran	8.19	139	1003467	50.83537	ppb		98
55) 2,4-DNT	8.23	165	510950	47.06839	ppb		99
56) 2,3,4,6-Tetrachlorophenol	8.36	232	350438	48.76791	ppb		98
57) Diethyl phthalate	8.52	149	1535783	46.35038	ppb		100
58) 4-Chlorophenyl phenyl ethe	8.61	204	742158	46.44923	ppb		100
59) Fluorene	8.59	165	1434501	46.37132	ppb		99
60) 4-Nitroaniline	8.69	138	404014	46.88372	ppb		98
63) Diphenyl amine	8.77	168	1450821	43.63383	ppb		100
64) 4,6-Dinitro-2-methylphenol	8.71	198	310540	48.23159	ppb		96
65) n-Nitrosodiphenylamine	8.77	167	776780	44.01176	ppb		99
66) 1,2-Diphenylhydrazine	8.79	182	465255	45.89929	ppb		99
67) 4-Bromophenyl phenyl ether	9.17	248	392644	46.42566	ppb		100
68) Hexachlorobenzene	9.22	284	433098	47.32933	ppb		98
69) Atrazine	9.41	200	35499	23.69812	ppb		98
70) Pentachlorophenol	9.47	266	267829	52.74977	ppb		98
71) Phenanthrene	9.70	178	2162897	43.87206	ppb		100
72) Anthracene	9.77	178	2352767	46.41246	ppb		100
73) Carbazol	9.97	167	2116984	46.37812	ppb		99
74) Di-n-butylphthalate	10.41	149	2564970	47.78461	ppb		100
75) Fluoranthene	11.09	202	2367970	47.03806	ppb		100
77) Pyrene	11.35	202	2495127	48.27506	ppb		100
79) Butyl benzylphthalate	12.15	149	1144998	49.97632	ppb		96
80) 3,3'-Dichlorobenzidine	12.75	252	713730	50.47859	ppb		99
81) Benz (a) anthracene	12.74	228	2002386	47.69747	ppb		100
82) Bis (2-ethylhexyl) phthala	12.82	149	1577645	46.63312	ppb	#	94
83) Chrysene	12.79	228	2090407	47.18907	ppb	#	95
84) Di-n-octylphthalate	13.56	149	2695533	49.43518	ppb		100
85) Indeno (1,2,3-cd) pyrene	15.70	276	2192917	49.10456	ppb		99
87) Benzo (b) fluoranthene	13.92	252	2006449	44.36227	ppb		99
88) Benzo (k) fluoranthene	13.95	252	2046094	49.02333	ppb		99
89) Benzo (a) pyrene	14.27	252	1977513	48.48830	ppb		99
90) Dibenz (a,h) anthracene	15.74	278	1864978	48.87129	ppb		98
91) Benzo (g,h,i) perylene	16.11	276	1842580	49.07225	ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0302Y002.D Vial: 2
Acq On : 2 Mar 12 18:02 Operator: LF
Sample : 50 ug/mL SVOC 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 10:49 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



EPA METHOD 8270C
Semivolatile Organic Compounds
Raw Data

Data File : M:\YODA\DATA\Y120301B\0302Y013.D Vial: 13
Acq On : 2 Mar 12 22:45 Operator: LF
Sample : AY55846S02 1/34.82G Inst : YODA
Misc : Multiplr: 28.72

Quant Time: Mar 5 9:09 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	376097	40.00000	ppb	0.00
20) Napthalene-D8(IS)	5.94	136	1443574	40.00000	ppb	-0.01
38) Acenaphthene-D10(IS)	7.95	164	837943	40.00000	ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1479051	40.00000	ppb	-0.01
76) Chrysene-D12(IS)	12.75	240	1384706	40.00000	ppb	-0.01
86) Perylene-D12(IS)	14.32	264	1250035	40.00000	ppb	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol (S)	3.23	112	1749146	3668.56680	ppb	-0.01
Spiked Amount 5743.825			Recovery =	63.870%		
5) Phenol-D6 (S)	4.23	99	2260873	4004.57969	ppb	-0.01
Spiked Amount 5743.825			Recovery =	69.720%		
21) Nitrobenzene-D5(S)	5.17	82	875501	1835.59798	ppb	-0.01
Spiked Amount 2871.913			Recovery =	63.916%		
44) 2-Fluorobiphenyl(S)	7.19	172	1657766	1623.88842	ppb	-0.01
Spiked Amount 2871.913			Recovery =	56.544%		
61) 2,4,6-Tribromophenol(S)	8.88	330	422342	3412.11039	ppb	-0.01
Spiked Amount 5743.825			Recovery =	59.405%		
78) Terphenyl-D14(S)	11.56	244	2005040	1990.33487	ppb	0.00
Spiked Amount 2871.913			Recovery =	69.303%		

Target Compounds Qvalue

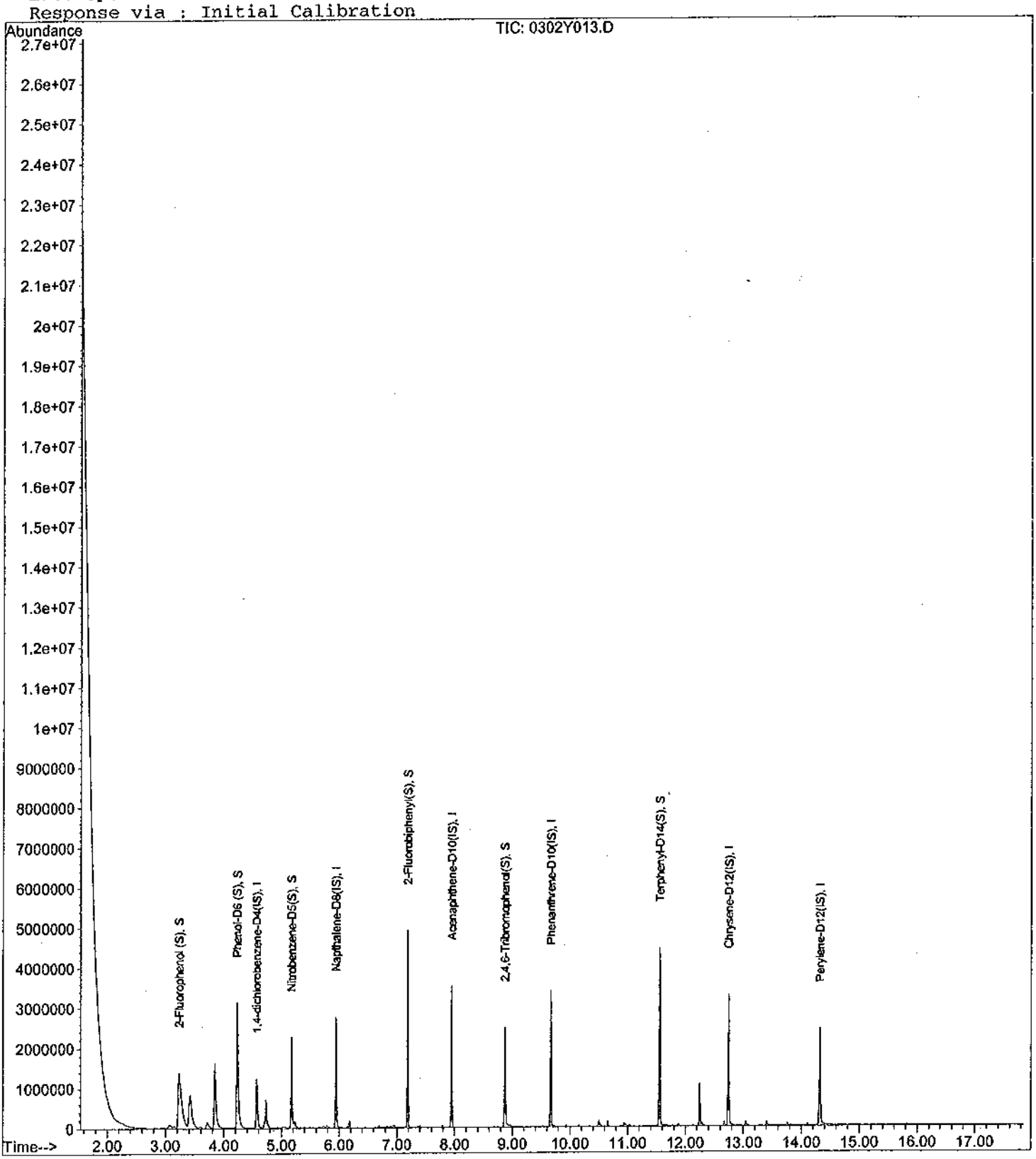
(#) = qualifier out of range (m) = manual integration

Data File : M:\YODA\DATA\Y120301B\0302Y013.D
Acq On : 2 Mar 12 22:45
Sample : AY55846S02 1/34.82G
Misc :

Vial: 13
Operator: LF
Inst : YODA
Multiplr: 28.72

Quant Time: Mar 5 9:09 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y014.D Vial: 14
Acq On : 2 Mar 12 23:10 Operator: LF
Sample : AY55847S02 1/36.60G Inst : YODA
Misc : Multiplr: 27.32

Quant Time: Mar 5 9:09 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	365765	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.94	136	1408133	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	819156	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1442826	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.75	240	1386103	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.32	264	1232578	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.23	112	1515274	3108.90056 ppb	0.00
Spiked Amount 5464.481			Recovery =	56.893%	
5) Phenol-D6 (S)	4.23	99	2082540	3608.43938 ppb	0.00
Spiked Amount 5464.481			Recovery =	66.034%	
21) Nitrobenzene-D5(S)	5.17	82	828968	1695.12462 ppb	0.00
Spiked Amount 2732.240			Recovery =	62.042%	
44) 2-Fluorobiphenyl(S)	7.19	172	1419892	1353.57927 ppb	0.00
Spiked Amount 2732.240			Recovery =	49.541%	
61) 2,4,6-Tribromophenol(S)	8.88	330	428573	3369.60531 ppb	0.00
Spiked Amount 5464.481			Recovery =	61.664%	
78) Terphenyl-D14(S)	11.55	244	1811972	1709.48081 ppb	0.00
Spiked Amount 2732.240			Recovery =	62.567%	

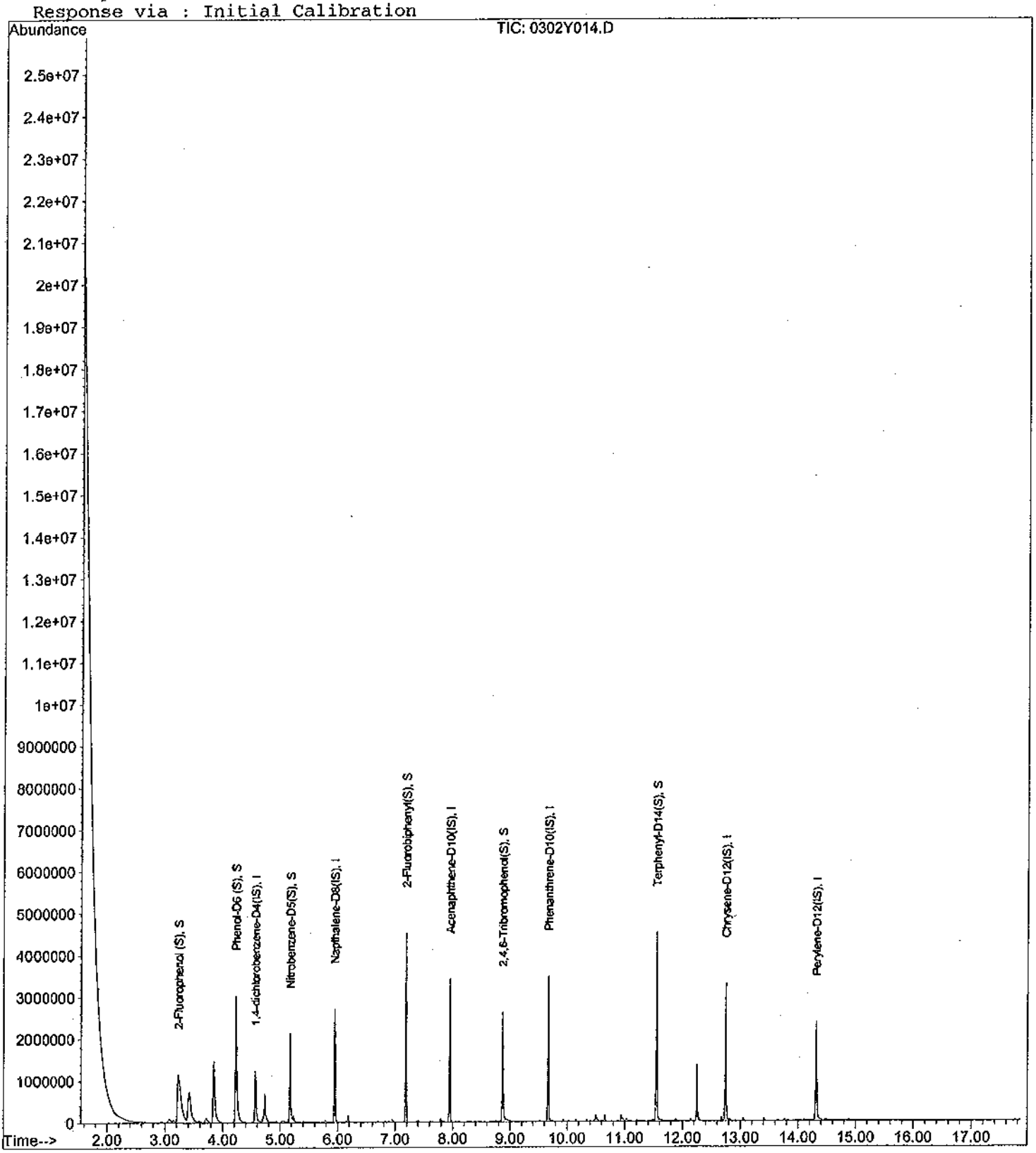
Target Compounds Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y014.D Vial: 14
Acq On : 2 Mar 12 23:10 Operator: LF
Sample : AY55847S02 1/36.60G Inst : YODA
Misc : Multiplr: 27.32

Quant Time: Mar 5 9:09 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y015.D Vial: 15
Acq On : 2 Mar 12 23:36 Operator: LF
Sample : AY55848S02 1/33.99G Inst : YODA
Misc : Multiplr: 29.42

Quant Time: Mar 5 9:10 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	389597	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1468710	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.94	164	830923	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1511297	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.74	240	1413267	40.00000 ppb	-0.02
86) Perylene-D12(IS)	14.32	264	1245560	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.24	112	1685842	3496.62528 ppb	0.00
Spiked Amount 5884.084			Recovery =	59.425%	
5) Phenol-D6 (S)	4.23	99	2278701	3991.44335 ppb	0.00
Spiked Amount 5884.084			Recovery =	67.835%	
21) Nitrobenzene-D5(S)	5.18	82	924793	1952.29772 ppb	0.00
Spiked Amount 2942.042			Recovery =	66.359%	
44) 2-Fluorobiphenyl(S)	7.19	172	1709448	1729.89657 ppb	0.00
Spiked Amount 2942.042			Recovery =	58.799%	
61) 2,4,6-Tribromophenol(S)	8.87	330	424936	3546.61145 ppb	-0.02
Spiked Amount 5884.084			Recovery =	60.275%	
78) Terphenyl-D14(S)	11.55	244	1947443	1940.34435 ppb	0.00
Spiked Amount 2942.042			Recovery =	65.952%	

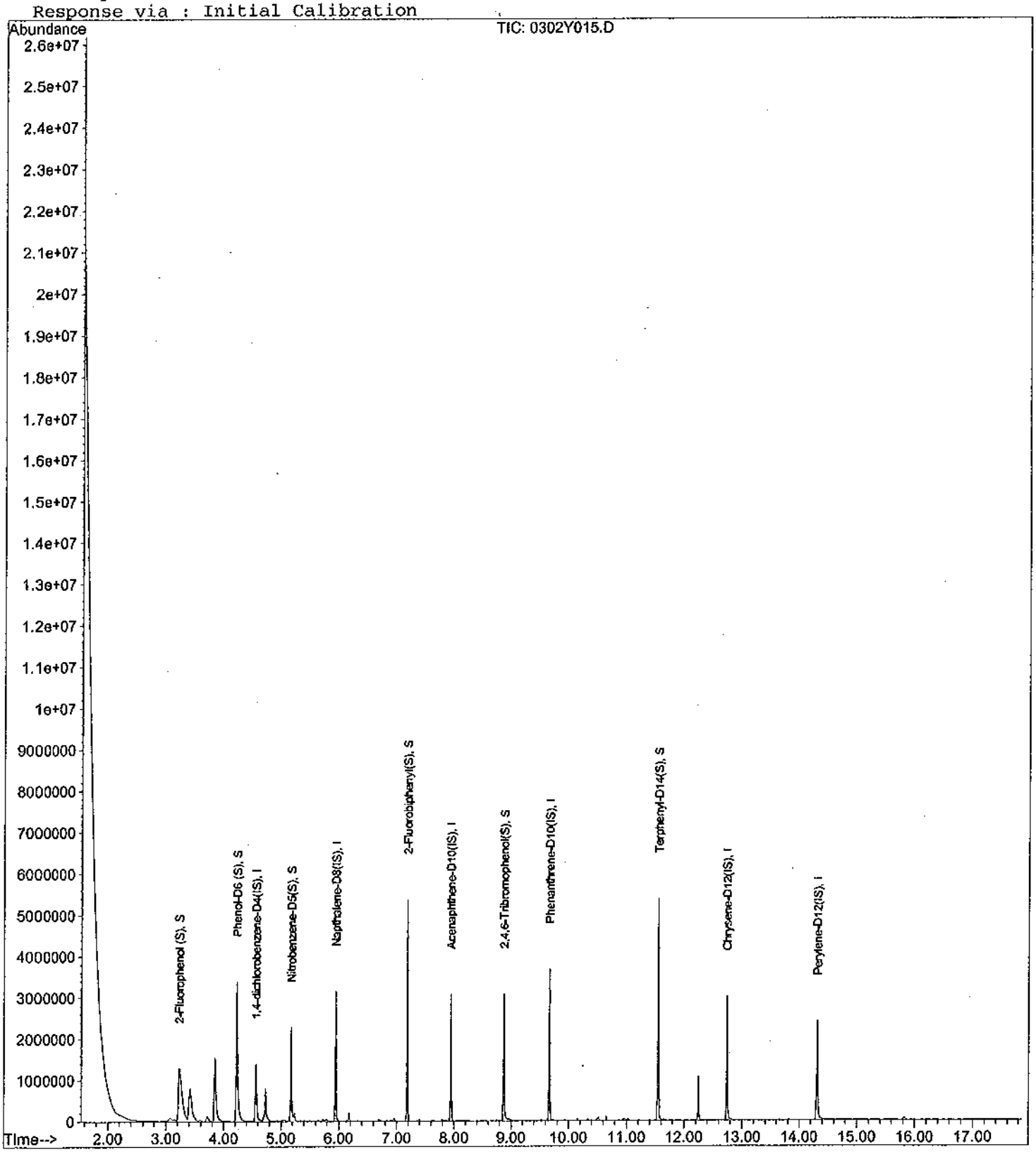
Target Compounds Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y015.D Vial: 15
Acq On : 2 Mar 12 23:36 Operator: LF
Sample : AY55848S02 1/33.99G Inst : YODA
Misc : Multiplr: 29.42

Quant Time: Mar 5 9:10 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y016.D Vial: 16
Acq On : 3 Mar 12 00:02 Operator: LF
Sample : AY55849S02 1/33.66G Inst : YODA
Misc : Multiplr: 29.71

Quant Time: Mar 5 9:11 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	399289	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.94	136	1487803	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	860645	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1509344	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.75	240	1446608	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.32	264	1293283	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.23	112	1286402	2628.90057 ppb	0.00
Spiked Amount 5941.771			Recovery =	44.244%	
5) Phenol-D6 (S)	4.23	99	1766622	3048.95835 ppb	0.00
Spiked Amount 5941.771			Recovery =	51.314%	
21) Nitrobenzene-D5(S)	5.17	82	701109	1475.41654 ppb	0.00
Spiked Amount 2970.885			Recovery =	49.663%	
44) 2-Fluorobiphenyl(S)	7.19	172	1380618	1362.10779 ppb	0.00
Spiked Amount 2970.885			Recovery =	45.849%	
61) 2,4,6-Tribromophenol(S)	8.88	330	351719	2861.93403 ppb	0.00
Spiked Amount 5941.771			Recovery =	48.166%	
78) Terphenyl-D14(S)	11.55	244	1716754	1687.45598 ppb	0.00
Spiked Amount 2970.885			Recovery =	56.800%	

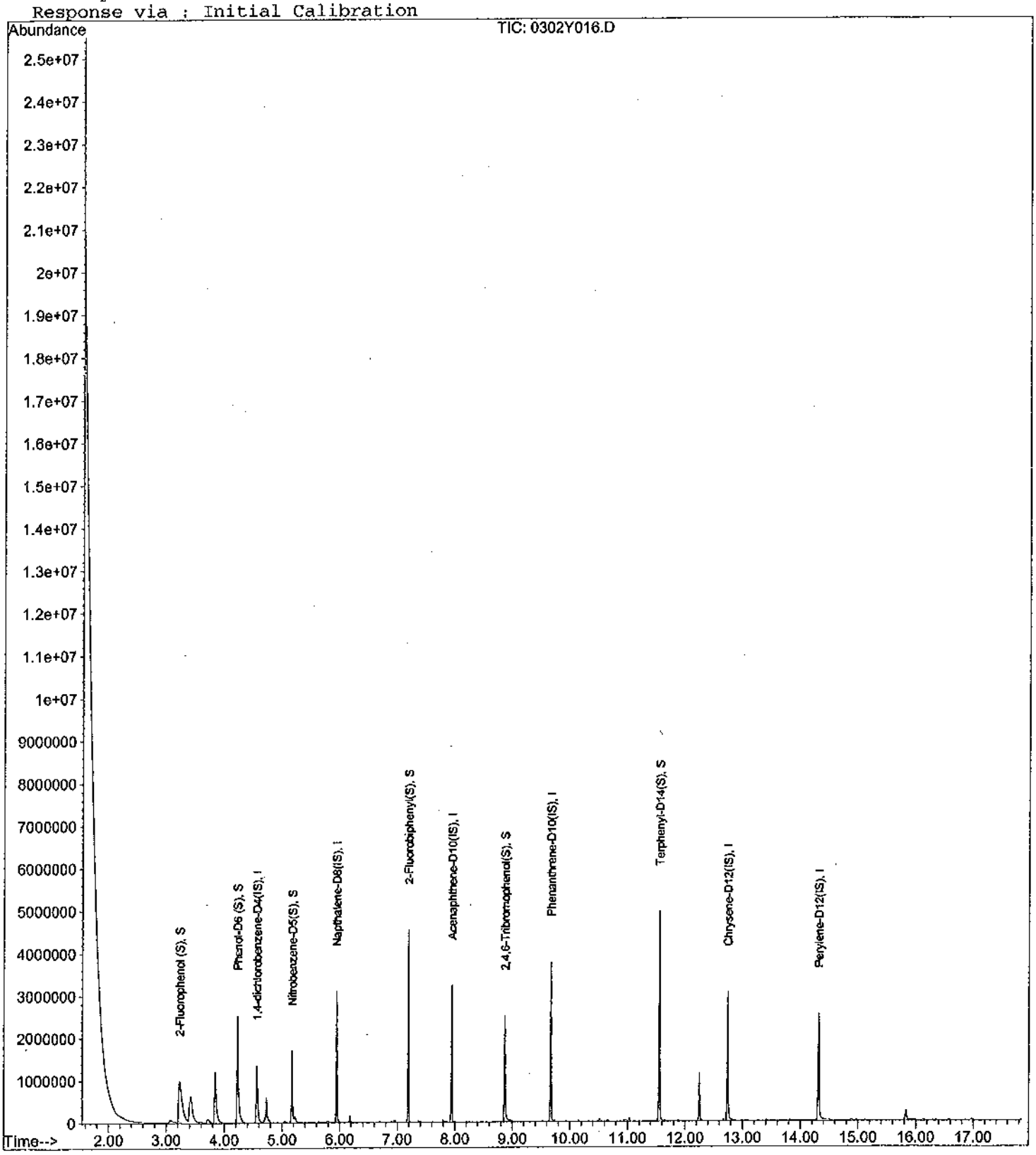
Target Compounds Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y016.D Vial: 16
Acq On : 3 Mar 12 00:02 Operator: LF
Sample : AY55849S02 1/33.66G Inst : YODA
Misc : Multiplr: 29.71

Quant Time: Mar 5 9:11 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y017.D Vial: 17
Acq On : 3 Mar 12 00:27 Operator: LF
Sample : AY55850S03 1/35.19G Inst : YODA
Misc : Multiplr: 28.42

Quant Time: Mar 5 9:11 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	390382	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.94	136	1476667	40.00000 ppb	-0.01
38) Acenaphthene-D10(IS)	7.95	164	829960	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1462412	40.00000 ppb	-0.01
76) Chrysene-D12(IS)	12.75	240	1402820	40.00000 ppb	-0.01
86) Perylene-D12(IS)	14.32	264	1226517	40.00000 ppb	-0.01
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.23	112	1418808	2836.70044 ppb	-0.01
Spiked Amount 5683.433			Recovery =	49.912%	
5) Phenol-D6 (S)	4.23	99	1982034	3346.65813 ppb	-0.01
Spiked Amount 5683.433			Recovery =	58.884%	
21) Nitrobenzene-D5(S)	5.17	82	795090	1612.51250 ppb	-0.01
Spiked Amount 2841.716			Recovery =	56.744%	
44) 2-Fluorobiphenyl(S)	7.19	172	1488283	1456.41514 ppb	-0.01
Spiked Amount 2841.716			Recovery =	51.251%	
61) 2,4,6-Tribromophenol(S)	8.88	330	396458	3199.79897 ppb	-0.01
Spiked Amount 5683.433			Recovery =	56.300%	
78) Terphenyl-D14(S)	11.55	244	1897211	1839.43211 ppb	0.00
Spiked Amount 2841.716			Recovery =	64.730%	

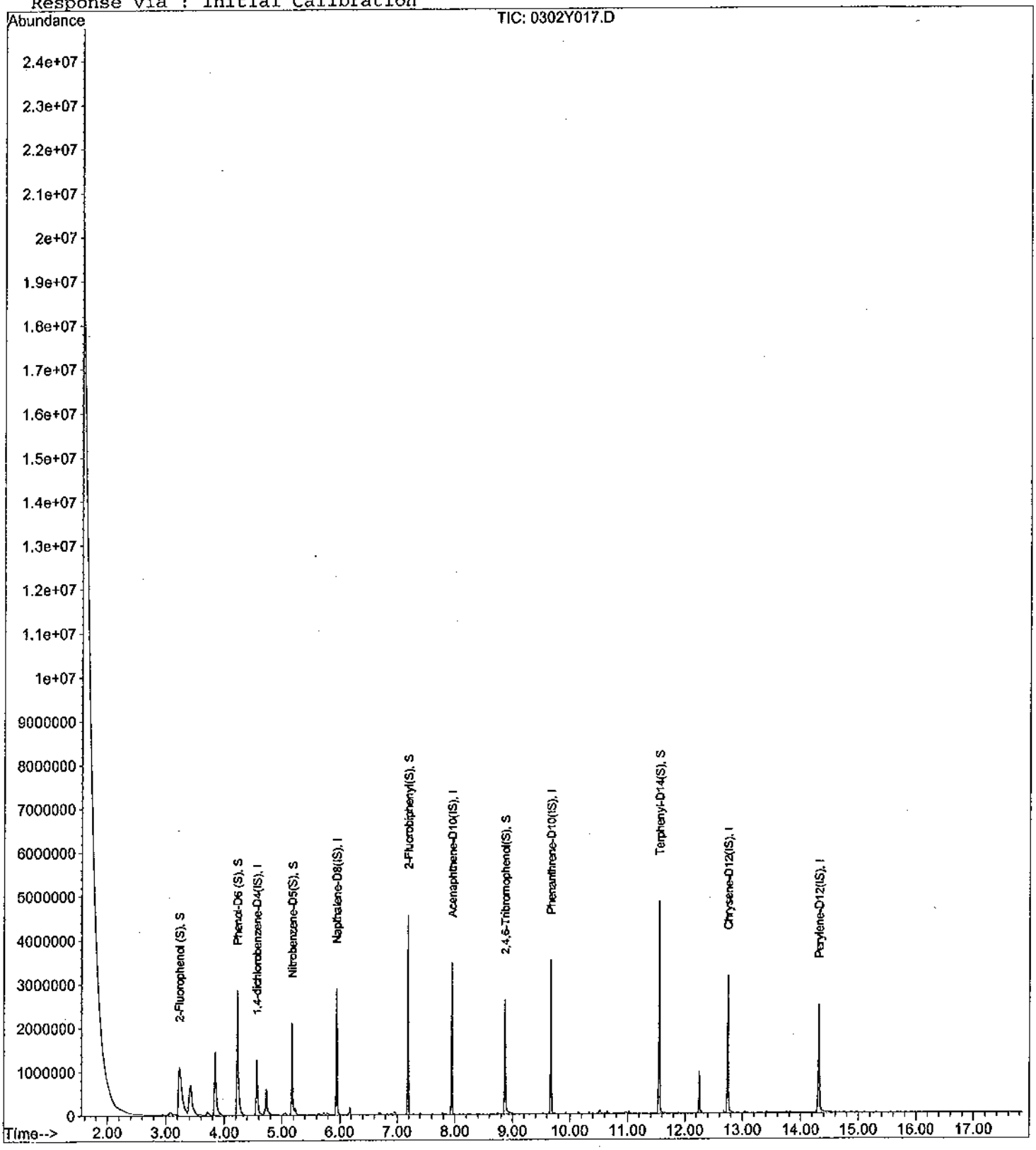
Target Compounds Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y017.D Vial: 17
Acq On : 3 Mar 12 00:27 Operator: LF
Sample : AY55850S03 1/35.19G Inst : YODA
Misc : Multiplr: 28.42

Quant Time: Mar 5 9:11 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y018.D
Acq On : 3 Mar 12 00:52
Sample : AY55851S02 1/31.33G
Misc :

Vial: 18
Operator: LF
Inst : YODA
Multiplr: 31.92

Quant Time: Mar 5 9:12 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	371319	40.00000	ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1417981	40.00000	ppb	0.00
38) Acenaphthene-D10(IS)	7.94	164	809199	40.00000	ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1450213	40.00000	ppb	0.00
76) Chrysene-D12(IS)	12.75	240	1389693	40.00000	ppb	0.00
86) Perylene-D12(IS)	14.32	264	1261669	40.00000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (S)	3.23	112	1602332	3783.06593	ppb	-0.02
Spiked Amount 6383.658			Recovery =	59.262%		
5) Phenol-D6 (S)	4.23	99	2143075	4273.06183	ppb	0.00
Spiked Amount 6383.658			Recovery =	66.938%		
21) Nitrobenzene-D5(S)	5.18	82	837607	1987.00152	ppb	0.00
Spiked Amount 3191.829			Recovery =	62.253%		
44) 2-Fluorobiphenyl(S)	7.19	172	1624333	1831.19882	ppb	0.00
Spiked Amount 3191.829			Recovery =	57.371%		
61) 2,4,6-Tribromophenol(S)	8.88	330	438863	4080.51750	ppb	0.00
Spiked Amount 6383.658			Recovery =	63.921%		
78) Terphenyl-D14(S)	11.55	244	2002506	2201.32404	ppb	0.00
Spiked Amount 3191.829			Recovery =	68.967%		

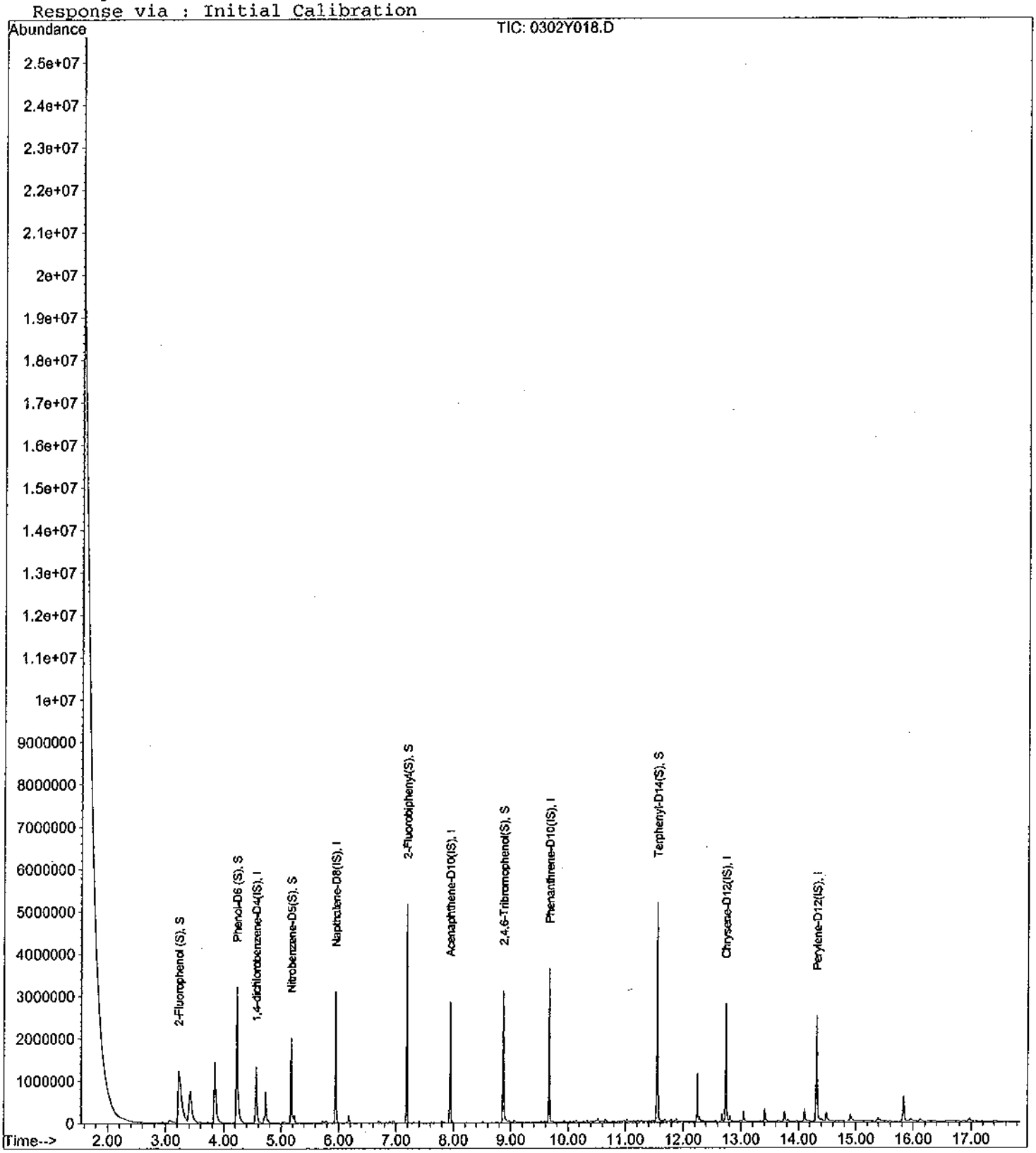
Target Compounds Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y018.D Vial: 18
Acq On : 3 Mar 12 00:52 Operator: LF
Sample : AY55851S02 1/31.33G Inst : YODA
Misc : Multiplr: 31.92

Quant Time: Mar 5 9:12 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y019.D Vial: 19
Acq On : 3 Mar 12 1:18 Operator: LF
Sample : AY55852S03 1/32.55G Inst : YODA
Misc : Multiplr: 30.72

Quant Time: Mar 5 9:12 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	383535	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.94	136	1466989	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	856375	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1506702	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.75	240	1457130	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.32	264	1307685	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.23	112	1799035	3958.06234 ppb	0.00
Spiked Amount 6144.393			Recovery =	64.417%	
5) Phenol-D6 (S)	4.23	99	2392843	4445.98124 ppb	0.00
Spiked Amount 6144.393			Recovery =	72.358%	
21) Nitrobenzene-D5(S)	5.17	82	945449	2086.64710 ppb	0.00
Spiked Amount 3072.197			Recovery =	67.920%	
44) 2-Fluorobiphenyl(S)	7.19	172	1794974	1840.43039 ppb	0.00
Spiked Amount 3072.197			Recovery =	59.906%	
61) 2,4,6-Tribromophenol(S)	8.88	330	453273	3833.07157 ppb	0.00
Spiked Amount 6144.393			Recovery =	62.383%	
78) Terphenyl-D14(S)	11.55	244	2222017	2242.26813 ppb	0.00
Spiked Amount 3072.197			Recovery =	72.986%	

Target Compounds Qvalue

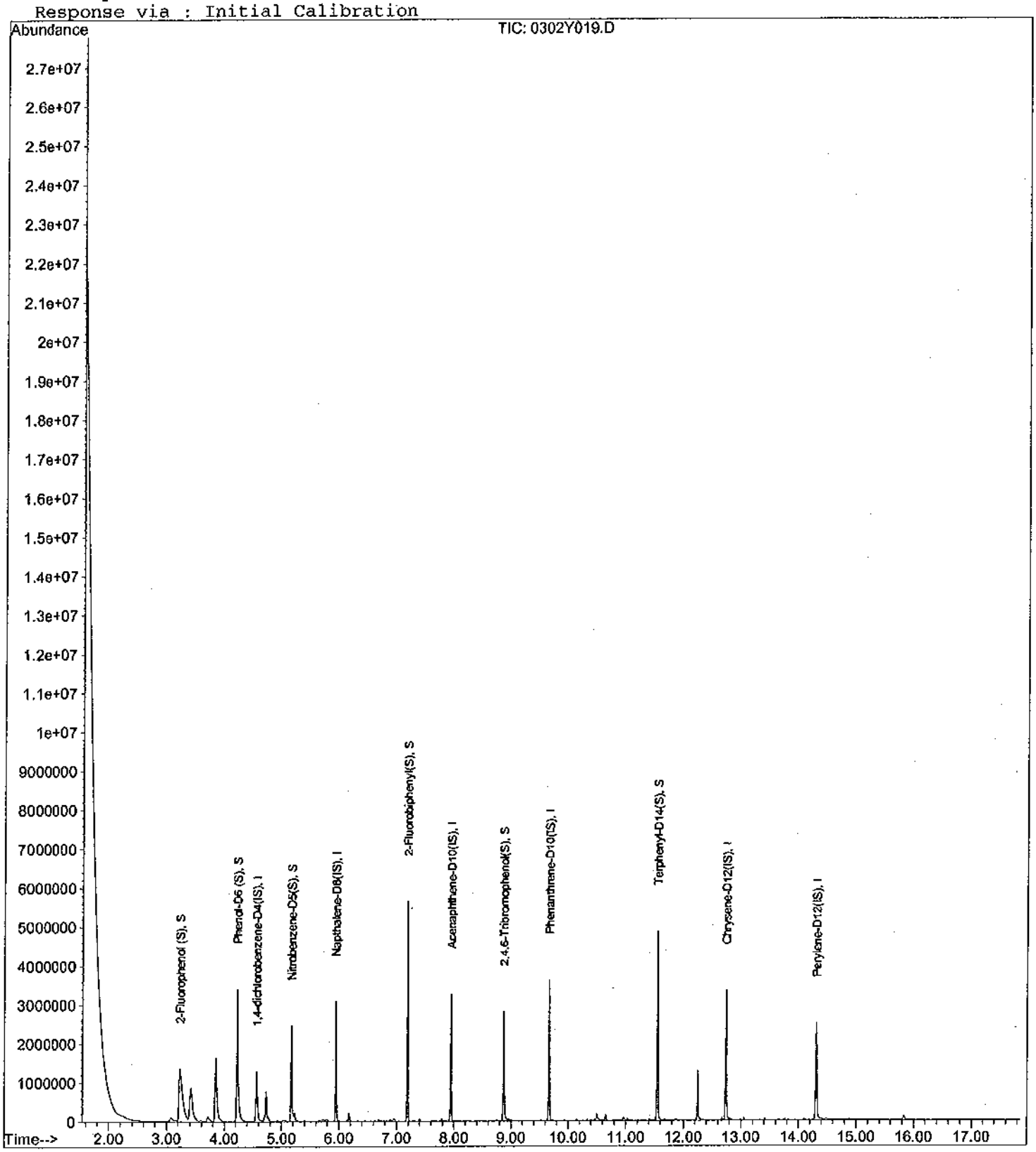
(#) = qualifier out of range (m) = manual integration

Data File : M:\YODA\DATA\Y120301B\0302Y019.D
Acq On : 3 Mar 12 1:18
Sample : AY55852S03 1/32.55G
Misc :

Vial: 19
Operator: LF
Inst : YODA
Multiplr: 30.72

Quant Time: Mar 5 9:12 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y020.D Vial: 20
Acq On : 3 Mar 12 1:43 Operator: LF
Sample : AY55853S02 1/34.25G Inst : YODA
Misc : Multiplr: 29.20

Quant Time: Mar 5 9:14 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	378399	40.00000	ppb	0.00
20) Napthalene-D8(IS)	5.94	136	1412206	40.00000	ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	802870	40.00000	ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1396290	40.00000	ppb	0.00
76) Chrysene-D12(IS)	12.75	240	1344860	40.00000	ppb	0.00
86) Perylene-D12(IS)	14.32	264	1191158	40.00000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (S)	3.23	112	1459081	3092.20161	ppb	0.00
Spiked Amount 5839.416			Recovery =	52.954%		
5) Phenol-D6 (S)	4.23	99	2011110	3599.43742	ppb	0.00
Spiked Amount 5839.416			Recovery =	61.640%		
21) Nitrobenzene-D5(S)	5.17	82	791417	1724.38977	ppb	0.00
Spiked Amount 2919.708			Recovery =	59.060%		
44) 2-Fluorobiphenyl(S)	7.19	172	1505470	1564.74095	ppb	0.00
Spiked Amount 2919.708			Recovery =	53.592%		
61) 2,4,6-Tribromophenol(S)	8.88	330	425565	3648.06099	ppb	0.00
Spiked Amount 5839.416			Recovery =	62.473%		
78) Terphenyl-D14(S)	11.55	244	1998503	2076.61771	ppb	0.00
Spiked Amount 2919.708			Recovery =	71.124%		

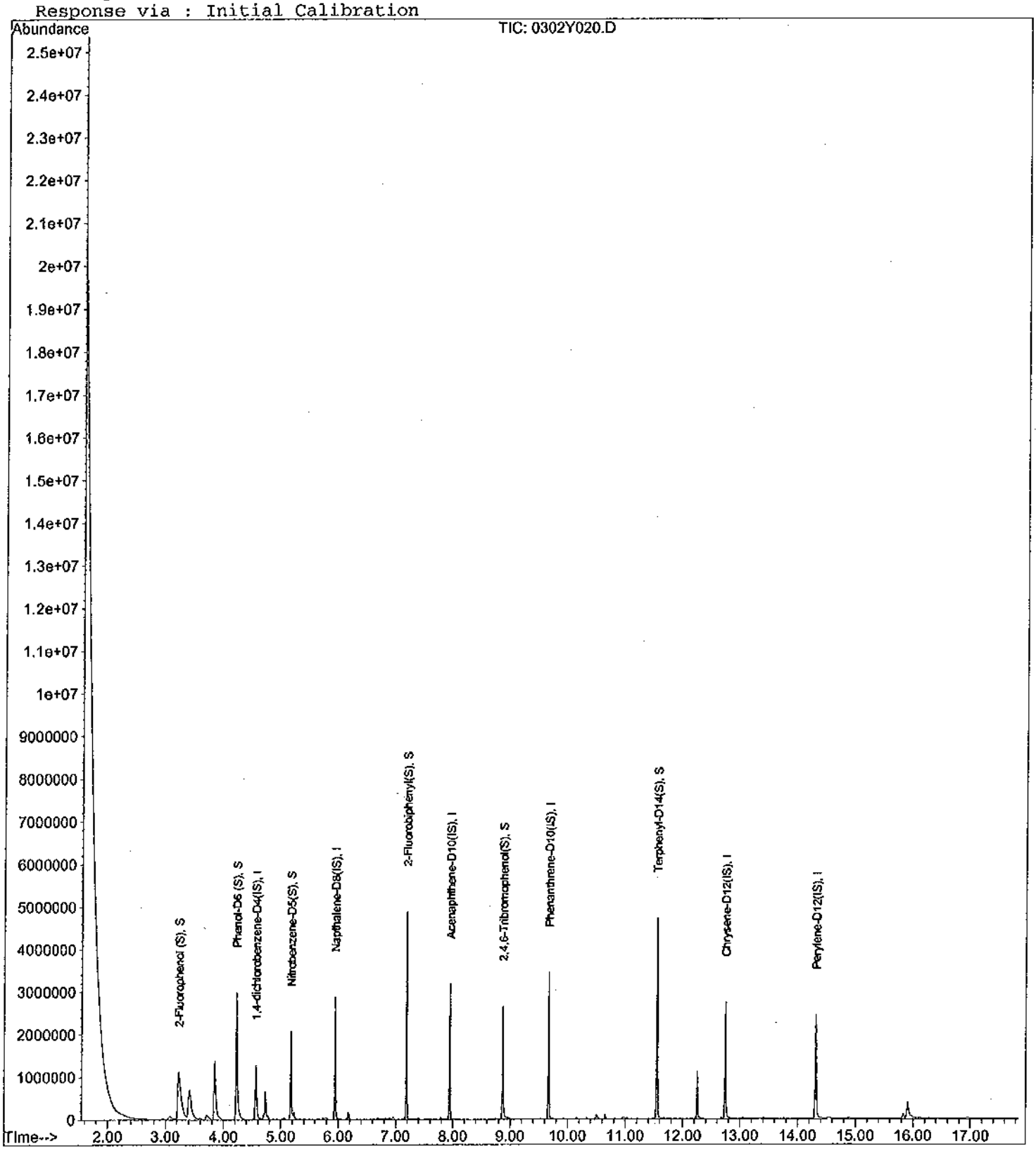
Target Compounds Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y020.D Vial: 20
Acq On : 3 Mar 12 1:43 Operator: LF
Sample : AY55853S02 1/34.25G Inst : YODA
Misc : Multiplr: 29.20

Quant Time: Mar 5 9:14 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y021.D Vial: 21
Acq On : 3 Mar 12 2:09 Operator: LF
Sample : AY55854S02 1/32.32G Inst : YODA
Misc : Multiplr: 30.94

Quant Time: Mar 5 9:16 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	432594	40.00000 ppb	-0.01
20) Napthalene-D8(IS)	5.94	136	1619293	40.00000 ppb	-0.01
38) Acenaphthene-D10(IS)	7.95	164	894410	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.66	188	1619486	40.00000 ppb	-0.01
76) Chrysene-D12(IS)	12.75	240	1480954	40.00000 ppb	-0.01
86) Perylene-D12(IS)	14.31	264	1383261	40.00000 ppb	-0.01
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.23	112	1624932	3192.14235 ppb	-0.01
Spiked Amount 6188.119			Recovery =	51.585%	
5) Phenol-D6 (S)	4.23	99	2171179	3602.07782 ppb	-0.01
Spiked Amount 6188.119			Recovery =	58.210%	
21) Nitrobenzene-D5(S)	5.17	82	839049	1689.58160 ppb	-0.01
Spiked Amount 3094.059			Recovery =	54.607%	
44) 2-Fluorobiphenyl(S)	7.19	172	1622662	1604.33909 ppb	-0.01
Spiked Amount 3094.059			Recovery =	51.852%	
61) 2,4,6-Tribromophenol(S)	8.88	330	415049	3384.49062 ppb	-0.01
Spiked Amount 6188.119			Recovery =	54.693%	
78) Terphenyl-D14(S)	11.56	244	2031090	2030.97976 ppb	0.00
Spiked Amount 3094.059			Recovery =	65.641%	

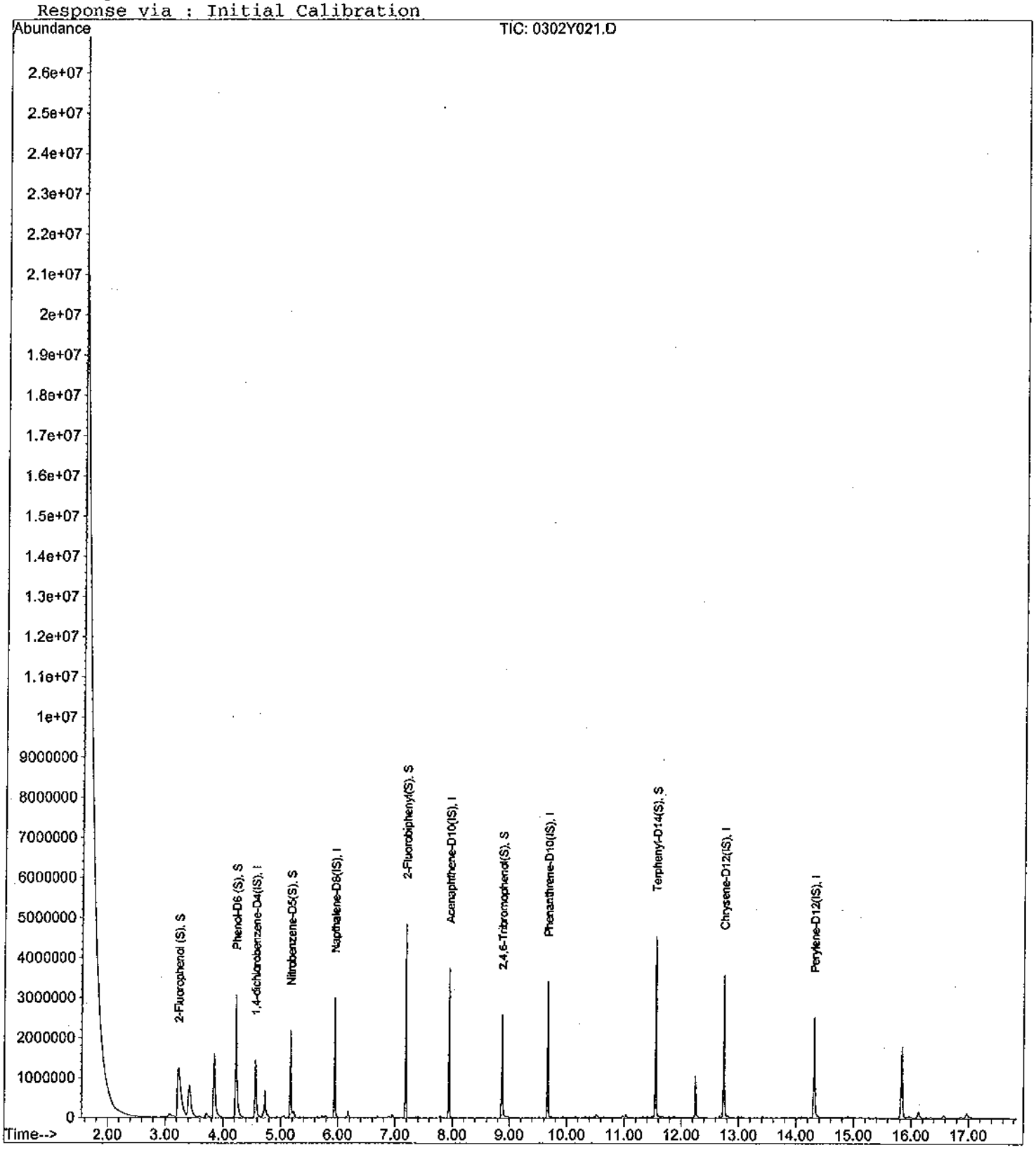
Target Compounds	Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y021.D Vial: 21
Acq On : 3 Mar 12 2:09 Operator: LF
Sample : AY55854S02 1/32.32G Inst : YODA
Misc : Multiplr: 30.94

Quant Time: Mar 5 9:16 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y022.D Vial: 22
Acq On : 3 Mar 12 2:34 Operator: LF
Sample : AY55855S03 1/35.58G Inst : YODA
Misc : Multiplr: 28.11

Quant Time: Mar 5 9:17 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	384897	40.00000 ppb	-0.01
20) Napthalene-D8(IS)	5.94	136	1473968	40.00000 ppb	-0.01
38) Acenaphthene-D10(IS)	7.95	164	832907	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1455316	40.00000 ppb	-0.01
76) Chrysene-D12(IS)	12.75	240	1408396	40.00000 ppb	-0.01
86) Perylene-D12(IS)	14.32	264	1272896	40.00000 ppb	-0.01
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.23	112	1942034	3894.98114 ppb	-0.01
Spiked Amount 5621.135			Recovery =	69.292%	
5) Phenol-D6 (S)	4.23	99	2523933	4275.00627 ppb	-0.01
Spiked Amount 5621.135			Recovery =	76.052%	
21) Nitrobenzene-D5(S)	5.17	82	983438	1976.24927 ppb	-0.01
Spiked Amount 2810.568			Recovery =	70.315%	
44) 2-Fluorobiphenyl(S)	7.19	172	1859629	1793.49450 ppb	-0.01
Spiked Amount 2810.568			Recovery =	63.813%	
61) 2,4,6-Tribromophenol(S)	8.88	330	476837	3792.88374 ppb	-0.01
Spiked Amount 5621.135			Recovery =	67.475%	
78) Terphenyl-D14(S)	11.55	244	2247395	2146.53577 ppb	0.00
Spiked Amount 2810.568			Recovery =	76.374%	

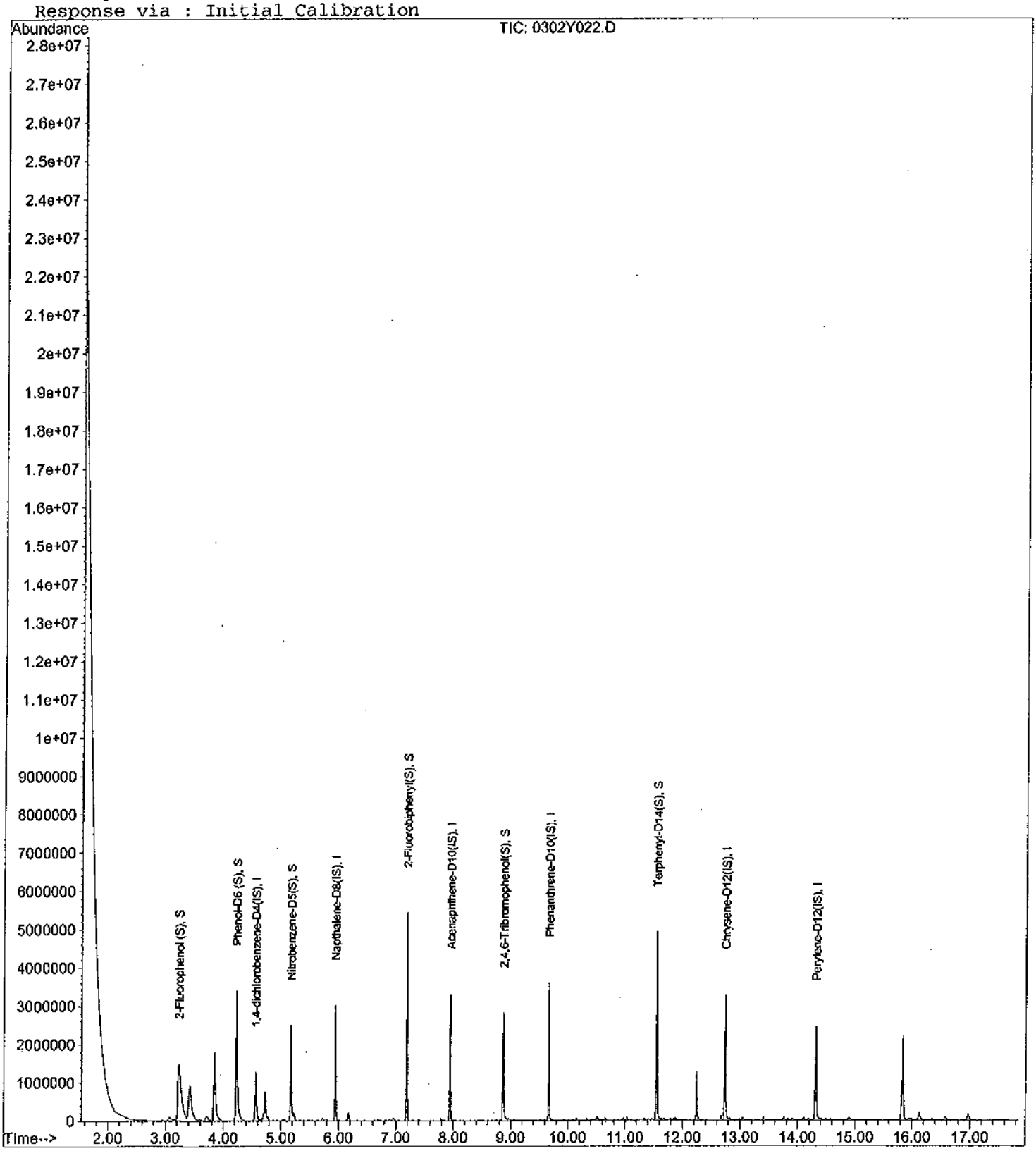
Target Compounds Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y022.D Vial: 22
Acq On : 3 Mar 12 2:34 Operator: LF
Sample : AY55855S03 1/35.58G Inst : YODA
Misc : Multiplr: 28.11

Quant Time: Mar 5 9:17 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y023.D Vial: 23
Acq On : 3 Mar 12 2:59 Operator: LF
Sample : AY55856S03 1/32.37G Inst : YODA
Misc : Multiplr: 30.89

Quant Time: Mar 5 9:17 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	398080	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.94	136	1514631	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	878338	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1549585	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.75	240	1473534	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.32	264	1329363	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.23	112	1718942	3663.92940 ppb	0.00
Spiked Amount 6178.560			Recovery =	59.301%	
5) Phenol-D6 (S)	4.23	99	2284368	4112.08747 ppb	0.00
Spiked Amount 6178.560			Recovery =	66.554%	
21) Nitrobenzene-D5(S)	5.17	82	905549	1946.48510 ppb	0.00
Spiked Amount 3089.280			Recovery =	63.008%	
44) 2-Fluorobiphenyl(S)	7.19	172	1737579	1746.69193 ppb	0.00
Spiked Amount 3089.280			Recovery =	56.540%	
61) 2,4,6-Tribromophenol(S)	8.88	330	438122	3632.39158 ppb	0.00
Spiked Amount 6178.560			Recovery =	58.790%	
78) Terphenyl-D14(S)	11.55	244	2022602	2029.53689 ppb	0.00
Spiked Amount 3089.280			Recovery =	65.696%	

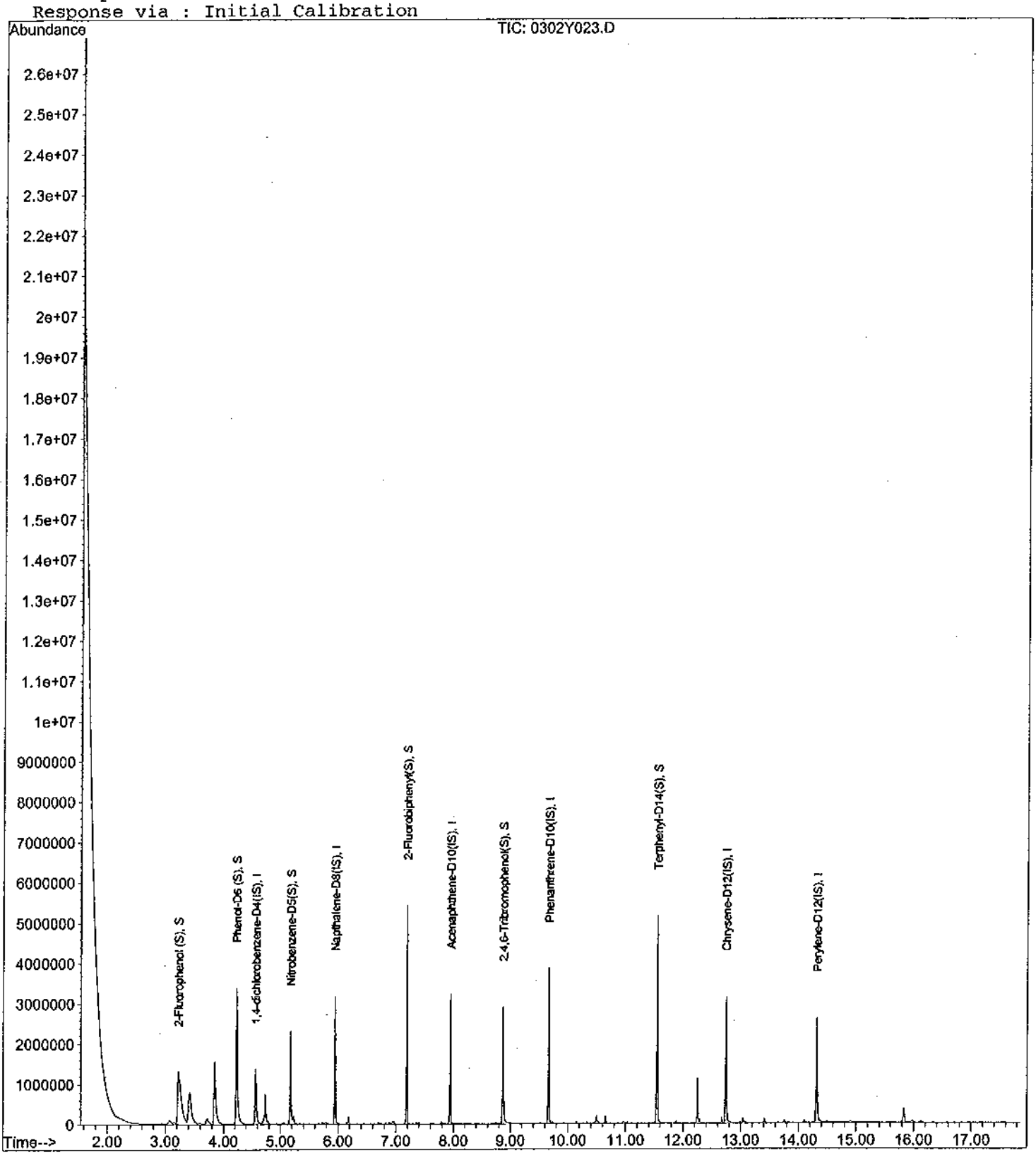
Target Compounds	Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y023.D Vial: 23
Acq On : 3 Mar 12 2:59 Operator: LF
Sample : AY55856S03 1/32.37G Inst : YODA
Misc : Multiplr: 30.89

Quant Time: Mar 5 9:17 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y024.D Vial: 24
Acq On : 3 Mar 12 3:25 Operator: LF
Sample : AY55869S02 1/33.99G Inst : YODA
Misc : Multiplr: 29.42

Quant Time: Mar 5 9:18 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	397218	40.00000	ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1550526	40.00000	ppb	0.00
38) Acenaphthene-D10(IS)	7.94	164	857107	40.00000	ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1521800	40.00000	ppb	0.00
76) Chrysene-D12(IS)	12.75	240	1473149	40.00000	ppb	0.00
86) Perylene-D12(IS)	14.32	264	1282793	40.00000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (S)	3.23	112	1708354	3475.33582	ppb	-0.02
Spiked Amount 5884.084			Recovery =	59.063%		
5) Phenol-D6 (S)	4.23	99	2306891	3963.29487	ppb	0.00
Spiked Amount 5884.084			Recovery =	67.356%		
21) Nitrobenzene-D5(S)	5.18	82	937079	1873.84954	ppb	0.00
Spiked Amount 2942.042			Recovery =	63.692%		
44) 2-Fluorobiphenyl(S)	7.19	172	1712239	1679.78758	ppb	0.00
Spiked Amount 2942.042			Recovery =	57.096%		
61) 2,4,6-Tribromophenol(S)	8.87	330	464184	3755.83056	ppb	-0.02
Spiked Amount 5884.084			Recovery =	63.830%		
78) Terphenyl-D14(S)	11.55	244	2031266	1941.59389	ppb	0.00
Spiked Amount 2942.042			Recovery =	65.995%		

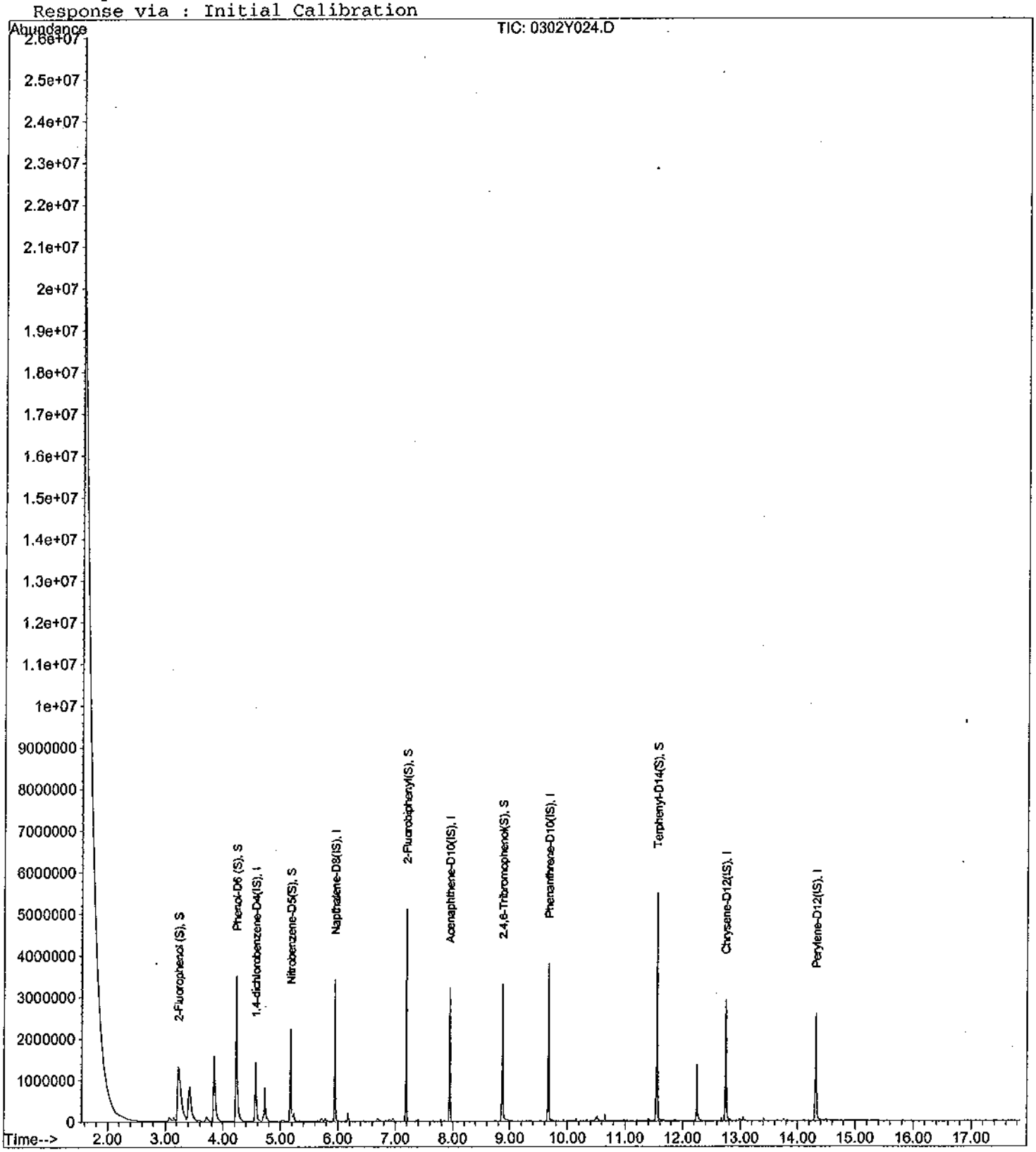
Target Compounds Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y024.D Vial: 24
Acq On : 3 Mar 12 3:25 Operator: LF
Sample : AY55869S02 1/33.99G Inst : YODA
Misc : Multiplr: 29.42

Quant Time: Mar 5 9:18 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y007.D Vial: 7
Acq On : 2 Mar 12 20:11 Operator: LF
Sample : 120229A BLK 1/30.00G Inst : YODA
Misc : Multiplr: 33.33

Quant Time: Mar 5 9:00 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	376354	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.94	136	1409064	40.00000 ppb	-0.01
38) Acenaphthene-D10(IS)	7.95	164	792996	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.66	188	1418560	40.00000 ppb	-0.01
76) Chrysene-D12(IS)	12.75	240	1320254	40.00000 ppb	-0.01
86) Perylene-D12(IS)	14.31	264	1209934	40.00000 ppb	-0.01
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.24	112	1909283	4644.63329 ppb	0.00
Spiked Amount 6666.667			Recovery =	69.669%	
5) Phenol-D6 (S)	4.24	99	2412628	4956.57739 ppb	0.00
Spiked Amount 6666.667			Recovery =	74.349%	
21) Nitrobenzene-D5(S)	5.17	82	942729	2350.30132 ppb	-0.01
Spiked Amount 3333.333			Recovery =	70.509%	
44) 2-Fluorobiphenyl(S)	7.19	172	1881613	2260.55024 ppb	-0.01
Spiked Amount 3333.333			Recovery =	67.817%	
61) 2,4,6-Tribromophenol(S)	8.88	330	455129	4509.66428 ppb	-0.01
Spiked Amount 6666.667			Recovery =	67.645%	
78) Terphenyl-D14(S)	11.56	244	2152533	2601.12027 ppb	0.00
Spiked Amount 3333.333			Recovery =	78.034%	

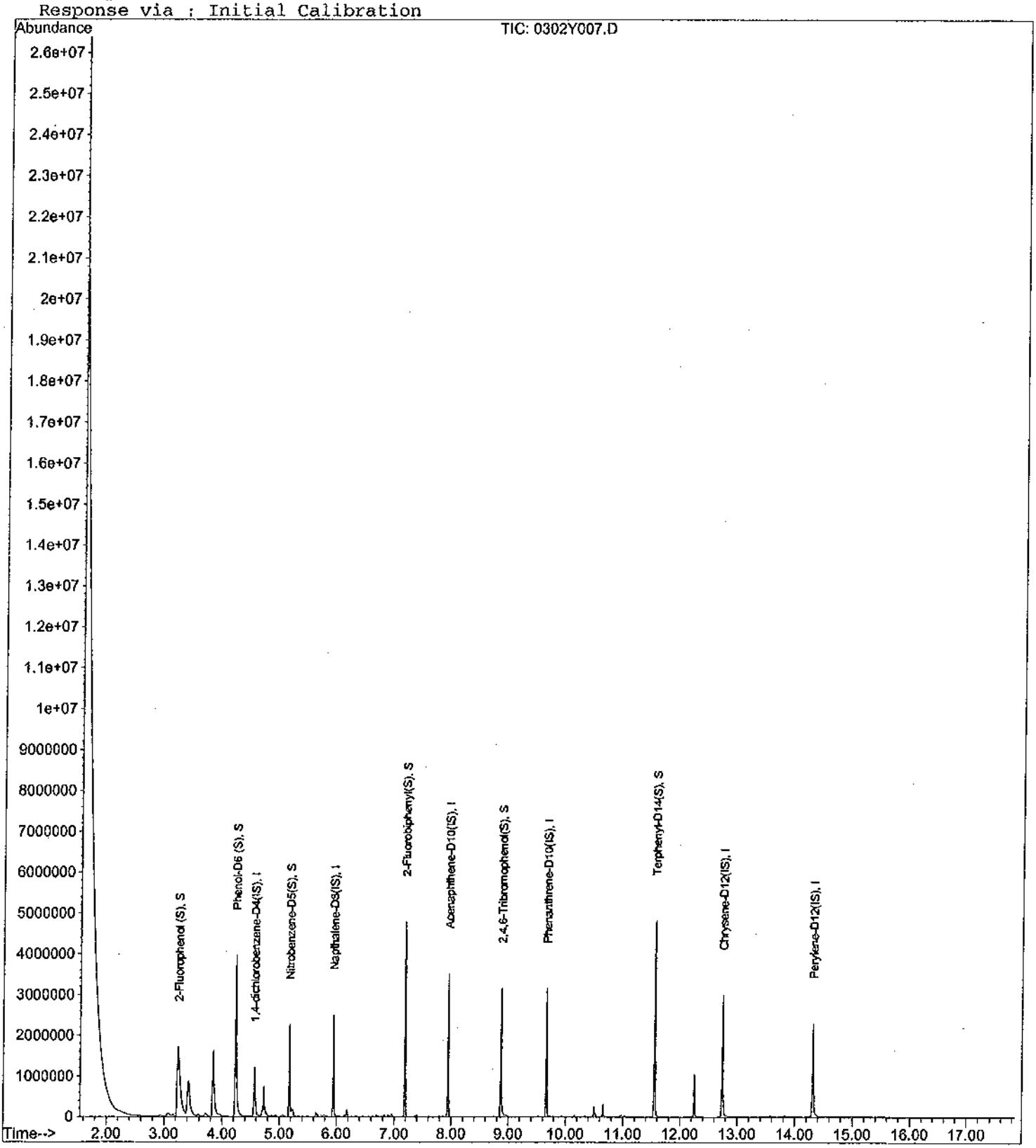
Target Compounds Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y007.D Vial: 7
Acq On : 2 Mar 12 20:11 Operator: LF
Sample : 120229A BLK 1/30.00G Inst : YODA
Misc : Multiplr: 33.33

Quant Time: Mar 5 9:00 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y008.D Vial: 8
Acq On : 2 Mar 12 20:37 Operator: LF
Sample : 120229A LCS-1 1/30.00G Inst : YODA
Misc : Multiplr: 33.33

Quant Time: Mar 5 10:58 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	374633	40.00000 ppb		0.00
20) Napthalene-D8(IS)	5.95	136	1495465	40.00000 ppb		0.00
38) Acenaphthene-D10(IS)	7.95	164	861580	40.00000 ppb		0.00
62) Phenanthrene-D10(IS)	9.67	188	1590557	40.00000 ppb		0.00
76) Chrysene-D12(IS)	12.76	240	1454055	40.00000 ppb		0.00
86) Perylene-D12(IS)	14.32	264	1380571	40.00000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol (S)	3.23	112	1722914	4210.51512 ppb		-0.01
Spiked Amount 6666.667			Recovery =	63.158%		
5) Phenol-D6 (S)	4.24	99	2203456	4547.64355 ppb		0.00
Spiked Amount 6666.667			Recovery =	68.215%		
21) Nitrobenzene-D5(S)	5.18	82	909074	2135.45479 ppb		0.00
Spiked Amount 3333.333			Recovery =	64.064%		
44) 2-Fluorobiphenyl(S)	7.20	172	1849979	2045.62511 ppb		0.00
Spiked Amount 3333.333			Recovery =	61.369%		
61) 2,4,6-Tribromophenol(S)	8.89	330	485589	4428.47229 ppb		0.00
Spiked Amount 6666.667			Recovery =	66.427%		
78) Terphenyl-D14(S)	11.56	244	2148790	2357.66039 ppb		0.00
Spiked Amount 3333.333			Recovery =	70.730%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.95	42	209050	934.21058 ppb		87
3) Pyridine	1.98	52	172207	561.40917 ppb		95
6) Phenol	4.24	94	644979	984.60309 ppb	#	76
7) Aniline	4.32	93	507001	995.04907 ppb		100
8) Bis (2-chloroethyl) ether	4.32	63	365323	935.02626 ppb		99
9) 2-Chlorophenol	4.36	128	483297	996.70040 ppb		99
10) 1,3-DCB	4.50	146	506247	930.17936 ppb		99
11) 1,4-DCB	4.59	146	513868	919.45299 ppb		99
12) Benzyl alcohol	4.75	79	383769	1038.79570 ppb		98
13) 1,2-DCB	4.74	146	481221	939.33329 ppb		99
14) 2-Methylphenol	4.88	108	441072	990.39090 ppb		99
15) Bis (2-chloroisopropyl) et	4.88	45	751884	1021.40179 ppb		99
16) Acetophenone	5.01	105	598427	936.00681 ppb		94
17) 3&4-Methylphenol	5.05	107	1006591	1994.17616 ppb		98
18) n-Nitrosodi-n-propylamine	5.03	43	404773	1023.80485 ppb		97
19) Hexachloroethane	5.09	117	177124	943.29619 ppb		99
22) Nitrobenzene	5.20	77	492392	961.22509 ppb		98
23) Isophorone	5.47	82	903983	988.79294 ppb		92
24) 2-Nitrophenol	5.54	139	272878	960.60278 ppb		97
25) 2,4-Dimethylphenol	5.62	107	438197	890.86258 ppb		96
26) Benzoic acid	5.80	105	124840	595.99546 ppb		94
27) Bis (2-chloroethoxy) metha	5.71	93	531027	966.56399 ppb		92
28) 2,4-Dichlorophenol	5.82	162	386217	965.09357 ppb		98
29) 1,2,4-Trichlorobenzene	5.89	180	401905	926.59367 ppb		100
30) Naphthalene	5.97	128	1416927	941.84486 ppb		99
31) 4-Chloroaniline	6.06	127	487004	919.72087 ppb		96
32) 2,6-Dichlorophenol	6.06	162	375869	960.85855 ppb		99
33) Hexachloropropene	6.06	213	227989	947.96568 ppb		99
34) Hexachlorobutadiene	6.11	225	201837	919.12750 ppb		99
35) Caprolactum	6.52	113	155372	957.48859 ppb		95
36) 4-Chloro-3-methylphenol	6.65	107	416900	979.12347 ppb		96
37) 2-Methylnaphthalene	6.76	142	1000860	996.69761 ppb		99

$\frac{172207 \times 40 \times 33.333}{374633 \times 1.092} = 561$ LF 3/9/12

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

Data File : M:\YODA\DATA\Y120301B\0302Y008.D Vial: 8
Acq On : 2 Mar 12 20:37 Operator: LF
Sample : 120229A LCS-1 1/30.00G Inst : YODA
Misc : Multiplr: 33.33

Quant Time: Mar 5 10:58 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39) Hexachlorocyclopentadiene	6.93	237	115036	614.98974 ppb		98
40) 1,2,4,5-Tetrachlorobenzene	6.95	216	388673	920.83382 ppb		94
41) 2,4,6-Trichlorophenol	7.10	196	272207	946.92479 ppb		97
42) 2,4,5-Trichlorophenol	7.16	196	287868	937.00391 ppb		96
43) 2-Chloronaphthalene	7.32	162	876854	939.88528 ppb		97
45) 1,1'-Biphenyl	7.30	154	1148189	955.80501 ppb		98
46) 2-Nitroaniline	7.47	138	333940	941.48935 ppb		88
47) Dimethyl phthalate	7.69	163	1012159	952.01655 ppb		88
48) 2,6-DNT	7.75	165	233252	931.08237 ppb		87
49) Acenaphthylene	7.78	152	1440561	929.11050 ppb		99
50) 3-Nitroaniline	7.95	65	304893	895.45404 ppb		93
51) Acenaphthene	7.98	154	857183	932.99304 ppb		99
52) 2,4-Dinitrophenol	8.08	184	85936	767.45076 ppb		94
53) 4-Nitrophenol	8.21	109	89289	880.69223 ppb		95
54) Dibenzofuran	8.19	139	640450	1017.88079 ppb		98
55) 2,4-DNT	8.22	165	328645	949.78815 ppb		93
56) 2,3,4,6-Tetrachlorophenol	8.36	232	214742	937.53770 ppb		97
57) Diethyl phthalate	8.50	149	1026921	972.32003 ppb		99
58) 4-Chlorophenyl phenyl ethe	8.61	204	500000	981.75009 ppb		91
59) Fluorene	8.59	165	954623	968.12022 ppb		99
60) 4-Nitroaniline	8.67	138	242649	883.39099 ppb		98
63) Diphenyl amine	8.76	168	993326	927.79067 ppb		100
64) 4,6-Dinitro-2-methylphenol	8.70	198	181636	876.12199 ppb		95
65) n-Nitrosodiphenylamine	8.76	167	531234	934.77100 ppb		98
66) 1,2-Diphenylhydrazine	8.79	182	303911	931.12932 ppb	#	45
67) 4-Bromophenyl phenyl ether	9.17	248	257590	945.88156 ppb		97
68) Hexachlorobenzene	9.21	284	269402	914.31047 ppb	#	80
69) Atrazine	9.40	200	114577	2375.43914 ppb		98
70) Pentachlorophenol	9.47	266	149494	914.39818 ppb		97
71) Phenanthrene	9.70	178	1470533	926.35103 ppb		100
72) Anthracene	9.76	178	1477770	905.33879 ppb		99
73) Carbazol	9.97	167	1367457	930.37463 ppb		99
74) Di-n-butylphthalate	10.41	149	1753629	1014.59370 ppb		100
75) Fluoranthene	11.08	202	1505653	928.85241 ppb	#	88
77) Pyrene	11.34	202	1545398	899.67762 ppb	#	86
79) Butyl benzylphthalate	12.14	149	720775	946.61990 ppb		82
80) 3,3'-Dichlorobenzidine	12.74	252	348623	741.90058 ppb		100
81) Benz (a) anthracene	12.74	228	1324150	949.07616 ppb		100
82) Bis (2-ethylhexyl) phthala	12.82	149	1044830	929.28135 ppb	#	94
83) Chrysene	12.78	228	1325931	900.63298 ppb	#	97
84) Di-n-octylphthalate	13.54	149	1690374	932.80447 ppb		100
85) Indeno (1,2,3-cd) pyrene	15.69	276	1384993	933.17607 ppb		99
87) Benzo (b) fluoranthene	13.91	252	1397258	964.29941 ppb		98
88) Benzo (k) fluoranthene	13.94	252	1268931	948.99711 ppb	#	93
89) Benzo (a) pyrene	14.26	252	1253753	959.57570 ppb		98
90) Dibenz (a,h) anthracene	15.73	278	1205615	986.13958 ppb		94
91) Benzo (g,h,i) perylene	16.10	276	1182843	983.30060 ppb		95

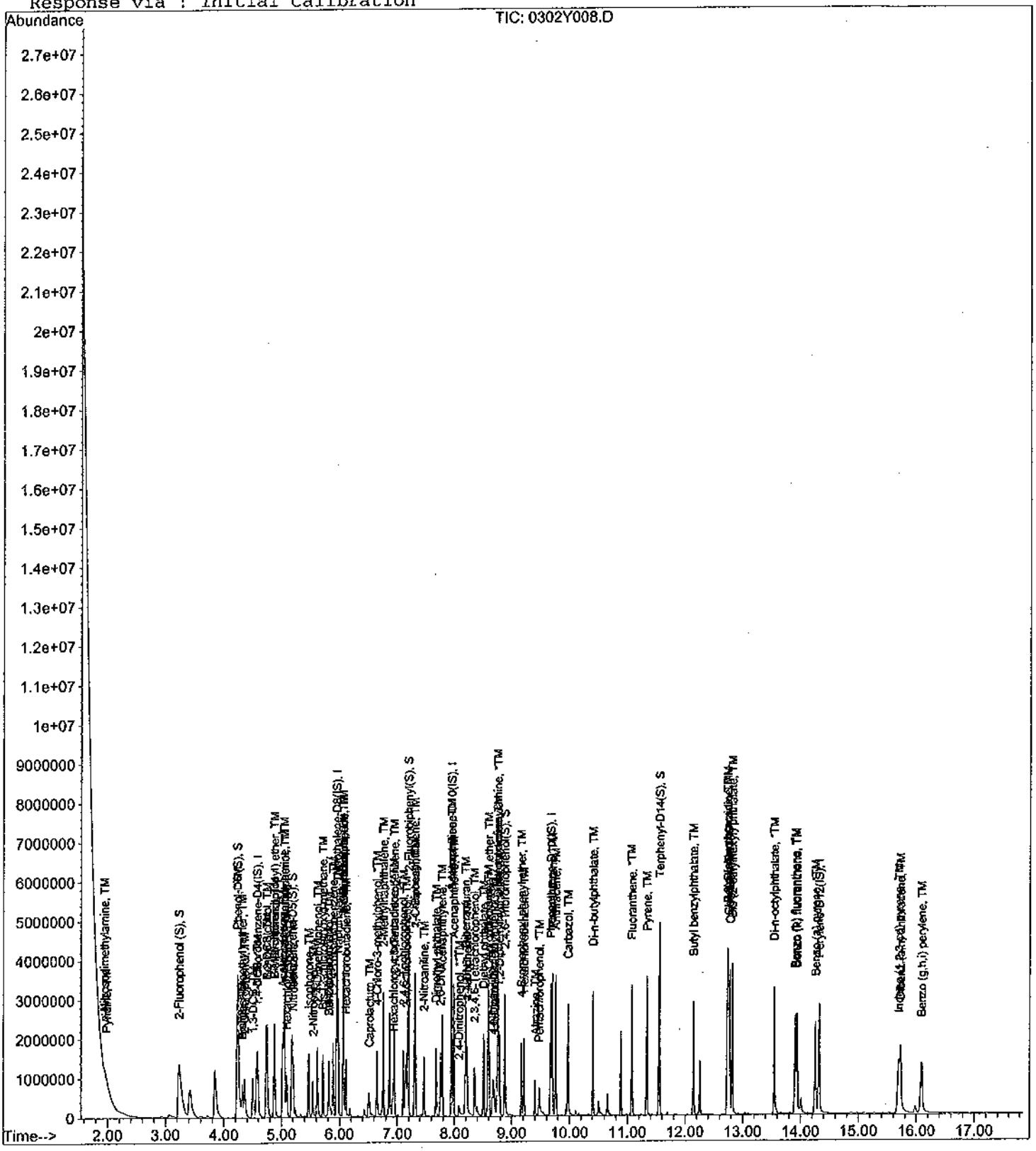
(#) = qualifier out of range (m) = manual integration

Data File : M:\YODA\DATA\Y120301B\0302Y008.D
Acq On : 2 Mar 12 20:37
Sample : 120229A LCS-1 1/30.00G
Misc :

Vial: 8
Operator: LF
Inst : YODA
Multiplr: 33.33

Quant Time: Mar 5 10:58 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y009.D Vial: 9
Acq On : 2 Mar 12 21:02 Operator: LF
Sample : AY55855S03 MS-1 1/32.40G Inst : YODA
Misc : Multiplr: 30.86

Quant Time: Mar 5 10:58 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	390201	40.00000 ppb		0.00
20) Napthalene-D8(IS)	5.95	136	1485570	40.00000 ppb		0.00
38) Acenaphthene-D10(IS)	7.95	164	848324	40.00000 ppb		0.00
62) Phenanthrene-D10(IS)	9.67	188	1519159	40.00000 ppb		0.00
76) Chrysene-D12(IS)	12.75	240	1399102	40.00000 ppb		0.00
86) Perylene-D12(IS)	14.33	264	1368473	40.00000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol (S)	3.24	112	1609737	3497.20050 ppb		0.00
Spiked Amount 6172.840			Recovery =	56.655%		
5) Phenol-D6 (S)	4.24	99	2131971	3911.62580 ppb		0.00
Spiked Amount 6172.840			Recovery =	63.368%		
21) Nitrobenzene-D5(S)	5.18	82	868559	1901.73467 ppb		0.00
Spiked Amount 3086.420			Recovery =	61.616%		
44) 2-Fluorobiphenyl(S)	7.19	172	1756470	1826.45998 ppb		0.00
Spiked Amount 3086.420			Recovery =	59.177%		
61) 2,4,6-Tribromophenol(S)	8.88	330	472017	4048.11563 ppb		0.00
Spiked Amount 6172.840			Recovery =	65.579%		
78) Terphenyl-D14(S)	11.55	244	2014867	2127.36219 ppb		0.00
Spiked Amount 3086.420			Recovery =	68.927%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.96	42	192297	741.33648 ppb		91
6) Phenol	4.25	94	626822	850.65572 ppb		93
7) Aniline	4.32	93	469736	819.56519 ppb		99
8) Bis (2-chloroethyl) ether	4.32	63	451620	1027.57596 ppb		87
9) 2-Chlorophenol	4.36	128	461441	845.98115 ppb		100
10) 1,3-DCB	4.50	146	454183	741.87218 ppb		98
11) 1,4-DCB	4.58	146	472935	752.26938 ppb		97
12) Benzyl alcohol	4.75	79	341134	820.87917 ppb		99
13) 1,2-DCB	4.74	146	443964	770.40106 ppb		100
14) 2-Methylphenol	4.87	108	411979	822.36801 ppb		100
15) Bis (2-chloroisopropyl) et	4.88	45	707548	854.46771 ppb		99
16) Acetophenone	5.02	105	581129	808.04277 ppb		99
17) 3&4-Methylphenol	5.05	107	972031	1711.92434 ppb		95
18) n-Nitrosodi-n-propylamine	5.03	43	383616	862.57394 ppb		93
19) Hexachloroethane	5.09	117	156491	740.89047 ppb		93
22) Nitrobenzene	5.19	77	476560	867.14386 ppb		95
23) Isophorone	5.46	82	856282	873.01431 ppb		100
24) 2-Nitrophenol	5.54	139	263616	864.98094 ppb		92
25) 2,4-Dimethylphenol	5.61	107	343842	651.56792 ppb		99
26) Benzoic acid	5.81	105	1332	179.18831 ppb	#	45
27) Bis (2-chloroethoxy) metha	5.71	93	517895	878.64852 ppb		95
28) 2,4-Dichlorophenol	5.82	162	372612	867.86930 ppb		97
29) 1,2,4-Trichlorobenzene	5.89	180	384642	826.57465 ppb		100
30) Naphthalene	5.97	128	1347397	834.80862 ppb		99
31) 4-Chloroaniline	6.07	127	480617	846.02286 ppb	#	92
32) 2,6-Dichlorophenol	6.06	162	361206	860.67138 ppb		99
33) Hexachloropropene	6.06	213	210896	817.34708 ppb		98
34) Hexachlorobutadiene	6.10	225	187610	796.32512 ppb		97
35) Caprolactum	6.50	113	165562	951.00099 ppb		94
36) 4-Chloro-3-methylphenol	6.65	107	412935	903.95480 ppb		98
37) 2-Methylnaphthalene	6.75	142	940727	873.19883 ppb		99
39) Hexachlorocyclopentadiene	6.93	237	110540	555.72987 ppb		97

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

Data File : M:\YODA\DATA\Y120301B\0302Y009.D
Acq On : 2 Mar 12 21:02
Sample : AY55855S03 MS-1 1/32.40G
Misc :

Vial: 9
Operator: LF
Inst : YODA
Multiplr: 30.86

Quant Time: Mar 5 10:58 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

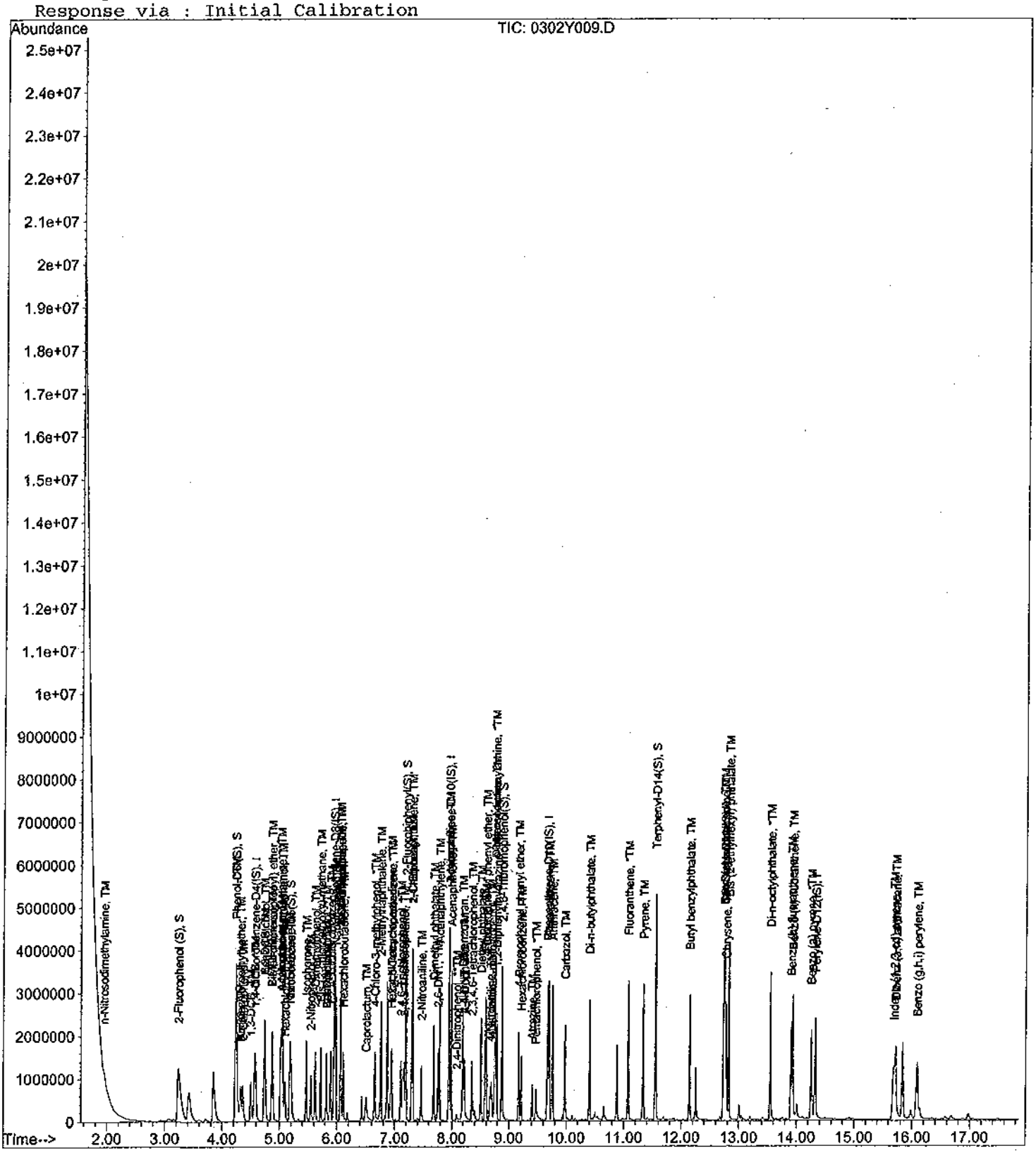
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	1,2,4,5-Tetrachlorobenzene	6.95	216	374555	834.49293	ppb	#	89
41)	2,4,6-Trichlorophenol	7.11	196	265981	870.11567	ppb		94
42)	2,4,5-Trichlorophenol	7.16	196	279771	856.36889	ppb		98
43)	2-Chloronaphthalene	7.31	162	846965	853.73523	ppb		99
45)	1,1'-Biphenyl	7.30	154	1083013	847.81241	ppb		99
46)	2-Nitroaniline	7.47	138	339287	899.54805	ppb		98
47)	Dimethyl phthalate	7.68	163	983800	870.18733	ppb		98
48)	2,6-DNT	7.76	165	235645	884.56781	ppb		100
49)	Acenaphthylene	7.78	152	1387224	841.38059	ppb		99
50)	3-Nitroaniline	7.95	65	305838	844.69022	ppb		97
51)	Acenaphthene	7.99	154	833363	853.00043	ppb		100
52)	2,4-Dinitrophenol	8.08	184	53203	540.08627	ppb	#	62
53)	4-Nitrophenol	8.21	109	91122	845.20027	ppb		95
54)	Dibenzofuran	8.19	139	630058	941.67794	ppb		82
55)	2,4-DNT	8.22	165	325975	885.91936	ppb		91
56)	2,3,4,6-Tetrachlorophenol	8.35	232	212394	872.01543	ppb		95
57)	Diethyl phthalate	8.51	149	978425	871.18405	ppb		100
58)	4-Chlorophenyl phenyl ethe	8.60	204	459686	848.79420	ppb		96
59)	Fluorene	8.58	165	921377	878.70874	ppb		100
60)	4-Nitroaniline	8.68	138	240954	824.93319	ppb		97
63)	Diphenyl amine	8.76	168	917858	831.10525	ppb		99
64)	4,6-Dinitro-2-methylphenol	8.69	198	167168	781.69643	ppb	#	78
65)	n-Nitrosodiphenylamine	8.76	167	488795	833.81260	ppb		99
66)	1,2-Diphenylhydrazine	8.79	182	287743	854.65468	ppb		99
67)	4-Bromophenyl phenyl ether	9.17	248	246059	875.92989	ppb		98
68)	Hexachlorobenzene	9.21	284	267092	878.77175	ppb		95
69)	Atrazine	9.41	200	117583	2363.26992	ppb		95
70)	Pentachlorophenol	9.47	266	142843	847.01848	ppb		98
71)	Phenanthrene	9.70	178	1405371	858.25063	ppb		99
72)	Anthracene	9.76	178	1466645	871.06712	ppb		100
73)	Carbazol	9.97	167	1329579	876.96176	ppb		99
74)	Di-n-butylphthalate	10.40	149	1567066	878.94978	ppb		99
75)	Fluoranthene	11.08	202	1471698	880.16247	ppb		94
77)	Pyrene	11.34	202	1544406	865.19865	ppb		96
79)	Butyl benzylphthalate	12.15	149	694682	877.94991	ppb		89
80)	3,3'-Dichlorobenzidine	12.74	252	320938	657.23184	ppb		99
81)	Benz (a) anthracene	12.73	228	1263589	871.52027	ppb		99
82)	Bis (2-ethylhexyl) phthala	12.82	149	1046537	895.70285	ppb		97
83)	Chrysene	12.79	228	1325327	866.27892	ppb		99
84)	Di-n-octylphthalate	13.55	149	1709898	907.99989	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.68	276	1327630	860.79722	ppb		97
87)	Benzo (b) fluoranthene	13.91	252	1219235	785.99820	ppb		99
88)	Benzo (k) fluoranthene	13.94	252	1304545	911.34913	ppb		99
89)	Benzo (a) pyrene	14.26	252	1206310	862.43231	ppb		98
90)	Dibenz (a,h) anthracene	15.72	278	1145354	875.12144	ppb		99
91)	Benzo (g,h,i) perylene	16.09	276	1136897	882.83422	ppb		98

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

Data File : M:\YODA\DATA\Y120301B\0302Y009.D Vial: 9
Acq On : 2 Mar 12 21:02 Operator: LF
Sample : AY55855S03 MS-1 1/32.40G Inst : YODA
Misc : Multiplr: 30.86

Quant Time: Mar 5 10:58 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y010.D Vial: 10
Acq On : 2 Mar 12 21:28 Operator: LF
Sample : AY55855S03 MSD-1 1/32.69G Inst : YODA
Misc : Multiplr: 30.59

Quant Time: Mar 5 10:58 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	384045	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1495484	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	832160	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1529244	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.76	240	1418021	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.32	264	1347136	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.23	112	1544204	3378.36470 ppb	-0.01
Spiked Amount 6118.079			Recovery =	55.219%	
5) Phenol-D6 (S)	4.24	99	2050746	3788.99589 ppb	0.00
Spiked Amount 6118.079			Recovery =	61.931%	
21) Nitrobenzene-D5(S)	5.18	82	837113	1804.57952 ppb	0.00
Spiked Amount 3059.039			Recovery =	58.992%	
44) 2-Fluorobiphenyl(S)	7.20	172	1745176	1833.55340 ppb	0.00
Spiked Amount 3059.039			Recovery =	59.939%	
61) 2,4,6-Tribromophenol(S)	8.89	330	470880	4080.28427 ppb	0.00
Spiked Amount 6118.079			Recovery =	66.692%	
78) Terphenyl-D14(S)	11.55	244	2015192	2080.69387 ppb	0.00
Spiked Amount 3059.039			Recovery =	68.018%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.95	42	216091	866.09395 ppb	92
6) Phenol	4.24	94	593654	811.29583 ppb	88
7) Aniline	4.32	93	452170	794.45198 ppb	100
8) Bis (2-chloroethyl) ether	4.32	63	432680	991.38842 ppb	90
9) 2-Chlorophenol	4.36	128	440415	813.09794 ppb	97
10) 1,3-DCB	4.50	146	423772	697.05448 ppb	99
11) 1,4-DCB	4.59	146	438549	702.46762 ppb	99
12) Benzyl alcohol	4.75	79	323031	782.77092 ppb	99
13) 1,2-DCB	4.74	146	412669	721.11946 ppb	100
14) 2-Methylphenol	4.88	108	395189	794.38718 ppb	99
15) Bis (2-chloroisopropyl) et	4.88	45	671825	817.01901 ppb	99
16) Acetophenone	5.01	105	545422	763.71392 ppb	95
17) 3&4-Methylphenol	5.05	107	933598	1655.77231 ppb	100
18) n-Nitrosodi-n-propylamine	5.02	43	372613	843.71132 ppb	86
19) Hexachloroethane	5.09	117	147212	701.84968 ppb	98
22) Nitrobenzene	5.20	77	451290	808.48249 ppb	97
23) Isophorone	5.46	82	821768	824.88824 ppb	97
24) 2-Nitrophenol	5.54	139	252545	815.85858 ppb	97
25) 2,4-Dimethylphenol	5.62	107	344620	642.95798 ppb	95
26) Benzoic acid	5.79	105	986	176.53729 ppb #	41
27) Bis (2-chloroethoxy) metha	5.71	93	489651	817.90233 ppb	93
28) 2,4-Dichlorophenol	5.81	162	360208	826.02308 ppb	93
29) 1,2,4-Trichlorobenzene	5.89	180	358375	758.23604 ppb	99
30) Naphthalene	5.97	128	1274574	777.49525 ppb	99
31) 4-Chloroaniline	6.06	127	468192	811.42483 ppb	95
32) 2,6-Dichlorophenol	6.06	162	352367	826.64486 ppb	97
33) Hexachloropropene	6.06	213	196276	748.93946 ppb	100
34) Hexachlorobutadiene	6.11	225	175527	733.53308 ppb	99
35) Caprolactum	6.50	113	160811	909.44700 ppb	92
36) 4-Chloro-3-methylphenol	6.65	107	391750	844.33611 ppb	96
37) 2-Methylnaphthalene	6.76	142	913114	834.47990 ppb	100
39) Hexachlorocyclopentadiene	6.93	237	98624	500.97009 ppb	100

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

Data File : M:\YODA\DATA\Y120301B\0302Y010.D Vial: 10
Acq On : 2 Mar 12 21:28 Operator: LF
Sample : AY55855S03 MSD-1 1/32.69G Inst : YODA
Misc : Multiplr: 30.59

Quant Time: Mar 5 10:58 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

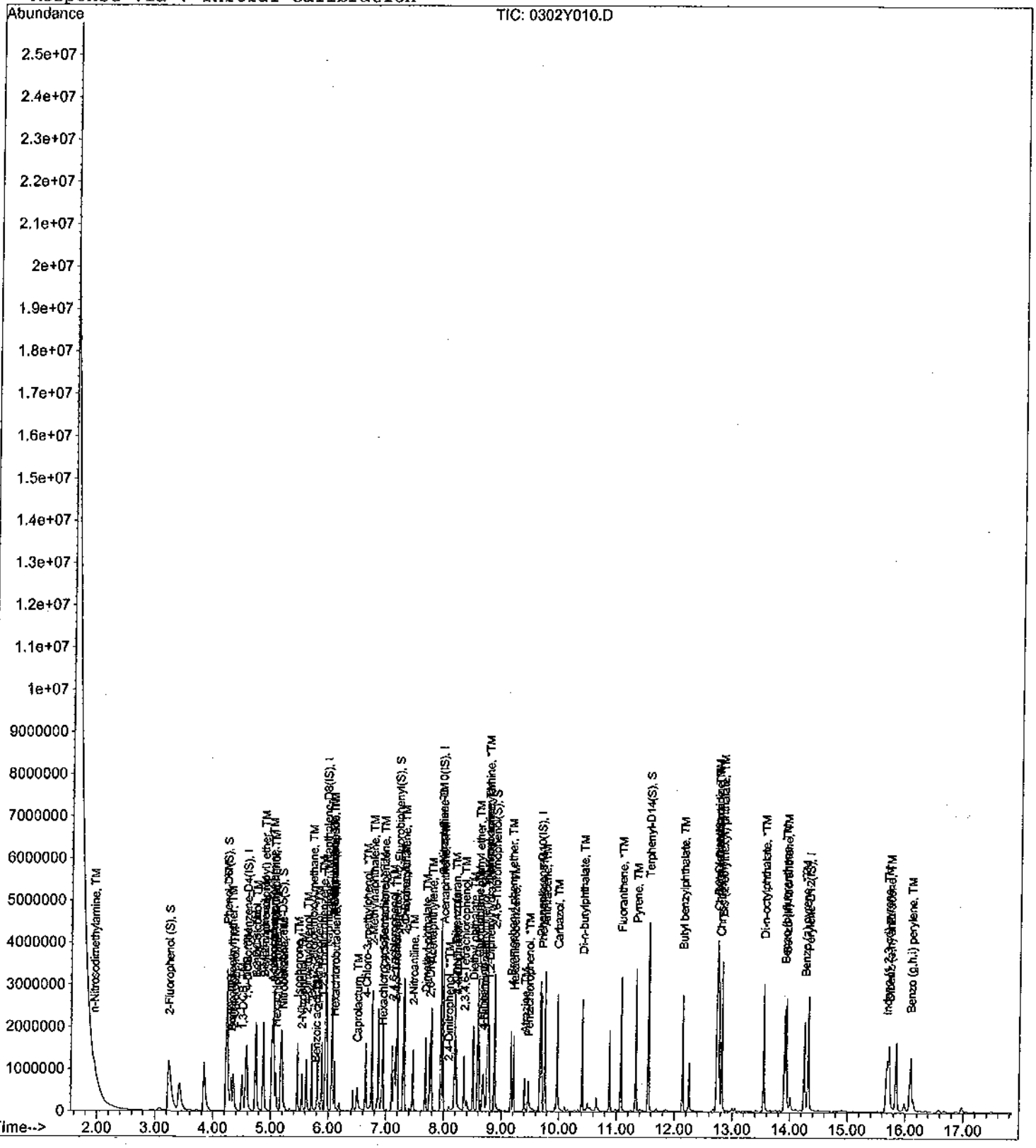
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	1,2,4,5-Tetrachlorobenzene	6.95	216	351117	790.39435	ppb		94
41)	2,4,6-Trichlorophenol	7.10	196	253918	839.27594	ppb		97
42)	2,4,5-Trichlorophenol	7.16	196	270342	836.09691	ppb		96
43)	2-Chloronaphthalene	7.32	162	809971	824.92053	ppb		96
45)	1,1'-Biphenyl	7.30	154	1028042	813.13352	ppb		97
46)	2-Nitroaniline	7.47	138	321958	862.46459	ppb		89
47)	Dimethyl phthalate	7.69	163	951203	850.08833	ppb	#	87
48)	2,6-DNT	7.75	165	216491	821.10303	ppb		88
49)	Acenaphthylene	7.78	152	1344009	823.63155	ppb		99
50)	3-Nitroaniline	7.95	65	295129	823.57436	ppb		95
51)	Acenaphthene	7.98	154	782376	809.12470	ppb		99
52)	2,4-Dinitrophenol	8.09	184	48295	513.93510	ppb	#	18
53)	4-Nitrophenol	8.21	109	88193	826.52388	ppb		97
54)	Dibenzofuran	8.19	139	601231	907.92116	ppb		90
55)	2,4-DNT	8.22	165	300852	826.12869	ppb		93
56)	2,3,4,6-Tetrachlorophenol	8.35	232	201106	834.24163	ppb	#	88
57)	Diethyl phthalate	8.50	149	925134	832.28473	ppb		100
58)	4-Chlorophenyl phenyl ethe	8.61	204	446946	833.83685	ppb		89
59)	Fluorene	8.59	165	877127	845.19119	ppb		100
60)	4-Nitroaniline	8.67	138	227144	785.72544	ppb		98
63)	Diphenyl amine	8.76	168	891156	794.49414	ppb		99
64)	4,6-Dinitro-2-methylphenol	8.69	198	155420	715.56373	ppb	#	72
65)	n-Nitrosodiphenylamine	8.76	167	482397	810.21958	ppb		96
66)	1,2-Diphenylhydrazine	8.79	182	278565	814.64593	ppb	#	38
67)	4-Bromophenyl phenyl ether	9.16	248	234532	822.03183	ppb		99
68)	Hexachlorobenzene	9.21	284	248408	804.70596	ppb	#	83
69)	Atrazine	9.40	200	112834	2232.87911	ppb		97
70)	Pentachlorophenol	9.47	266	139032	811.71790	ppb		99
71)	Phenanthrene	9.70	178	1372968	825.54355	ppb		99
72)	Anthracene	9.76	178	1368498	800.25282	ppb		99
73)	Carbazol	9.97	167	1272784	826.56622	ppb		99
74)	Di-n-butylphthalate	10.41	149	1579684	872.37543	ppb		99
75)	Fluoranthene	11.08	202	1404770	827.19101	ppb	#	90
77)	Pyrene	11.34	202	1456982	798.18809	ppb	#	91
79)	Butyl benzylphthalate	12.14	149	643584	795.40009	ppb		83
80)	3,3'-Dichlorobenzidine	12.74	252	307881	616.56241	ppb		99
81)	Benz (a) anthracene	12.74	228	1193799	805.19223	ppb		100
82)	Bis (2-ethylhexyl) phthala	12.82	149	928465	777.09051	ppb		95
83)	Chrysene	12.78	228	1258760	804.58946	ppb	#	98
84)	Di-n-octylphthalate	13.54	149	1552439	806.17039	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.68	276	1266437	802.97882	ppb		98
87)	Benzo (b) fluoranthene	13.91	252	1115895	724.28959	ppb		98
88)	Benzo (k) fluoranthene	13.93	252	1285071	903.87343	ppb		99
89)	Benzo (a) pyrene	14.26	252	1169193	841.60262	ppb		100
90)	Dibenz (a,h) anthracene	15.72	278	1095393	842.66184	ppb		98
91)	Benzo (g,h,i) perylene	16.10	276	1071001	837.34165	ppb		95

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

Data File : M:\YODA\DATA\Y120301B\0302Y010.D Vial: 10
Acq On : 2 Mar 12 21:28 Operator: LF
Sample : AY55855S03 MSD-1 1/32.69G Inst : YODA
Misc : Multiplr: 30.59

Quant Time: Mar 5 10:58 2012 Quant Results File: Y827AF.RES

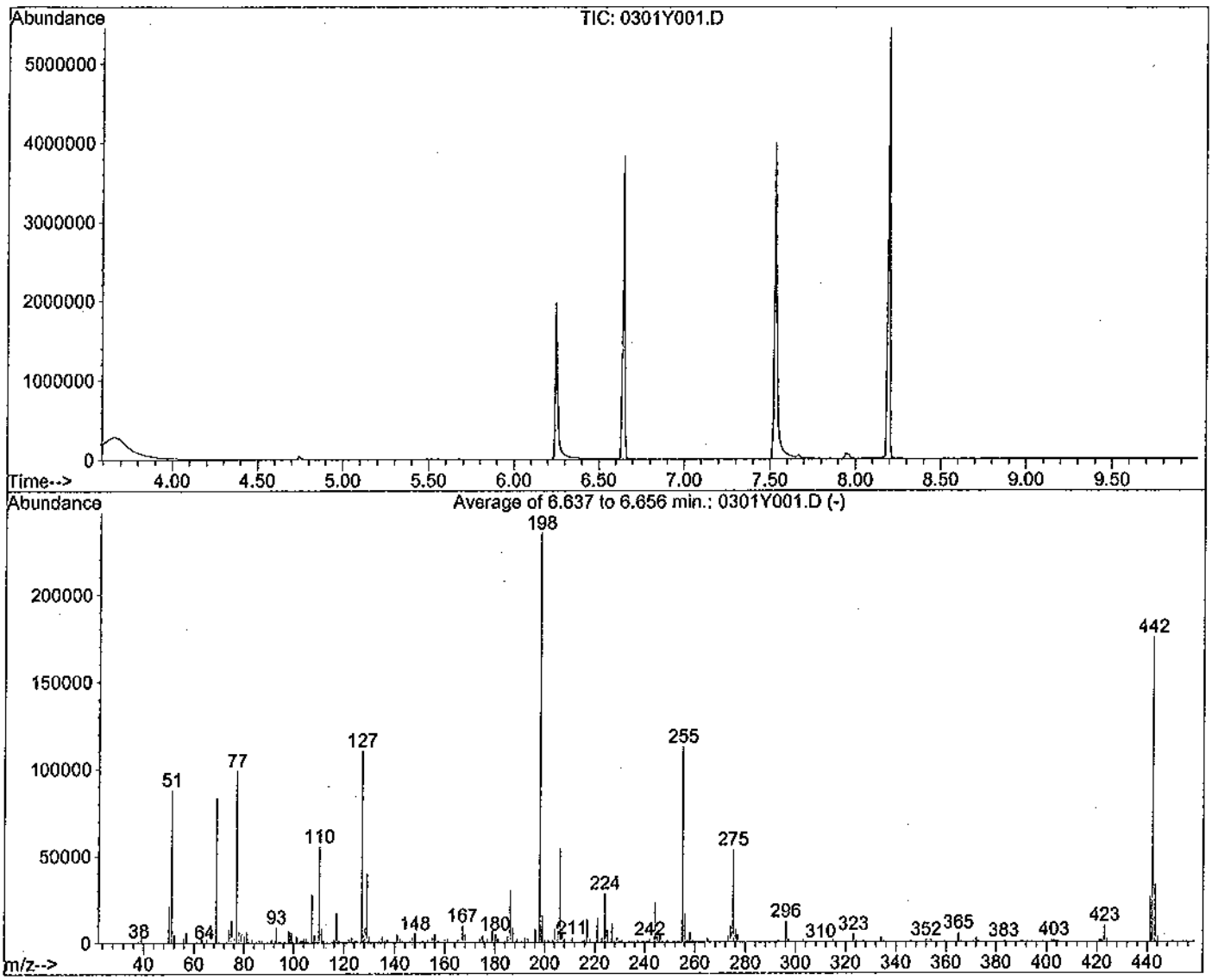
Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



DFTPP

Data File : M:\YODA\DATA\Y120301B\0301Y001.D Vial: 1
Acq On : 1 Mar 12 18:36 Operator: LF
Sample : SV TUNE 02-28-12 Inst : YODA
Misc : Multiplr: 1.00

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C



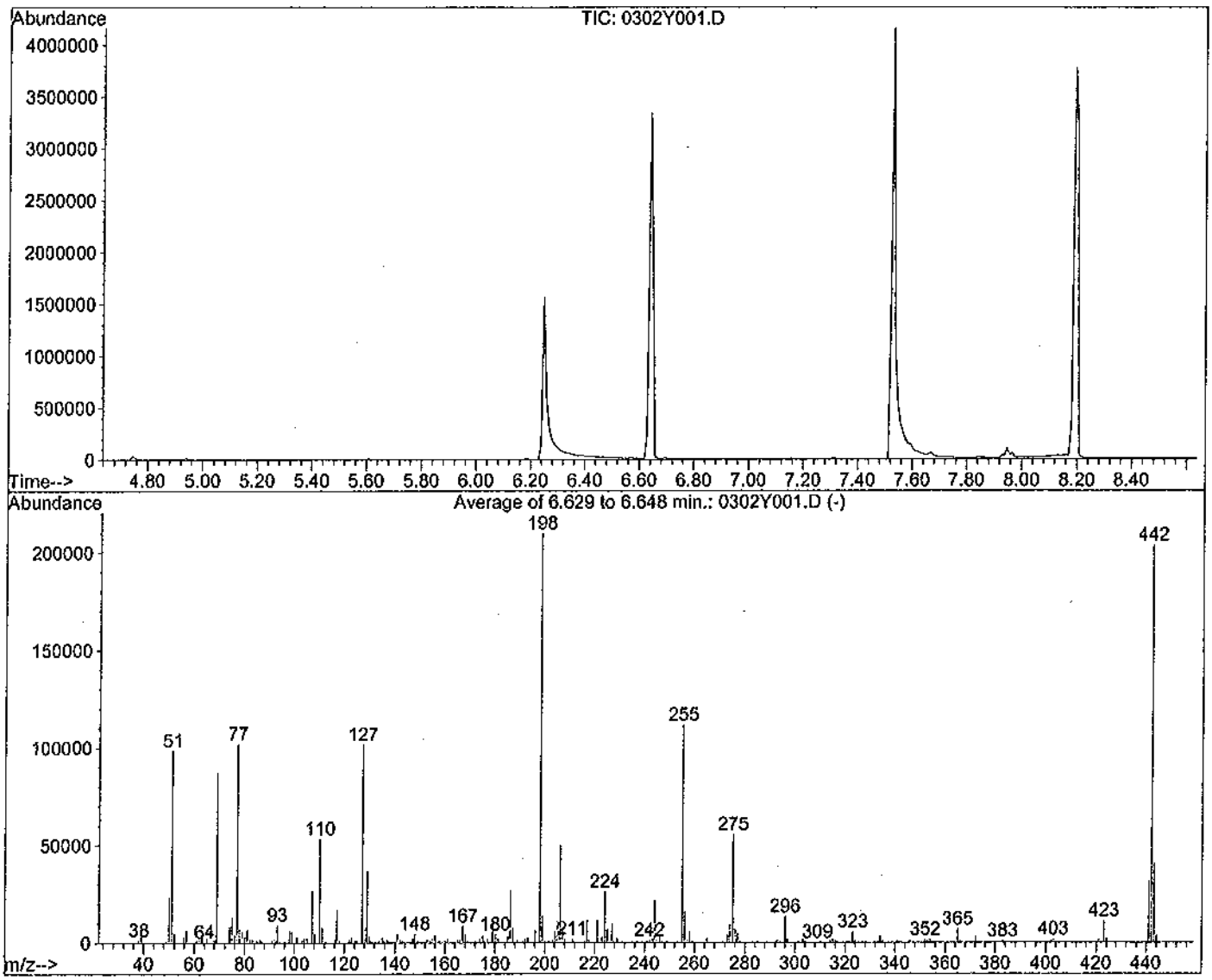
Spectrum Information: Average of 6.637 to 6.656 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.4	87963	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	444	PASS
127	198	40	60	46.9	110293	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	235262	PASS
199	198	5	9	6.6	15525	PASS
275	198	10	30	22.6	53203	PASS
365	198	1	100	2.2	5167	PASS
441	443	0.01	100	79.9	26397	PASS
442	198	40	150	74.3	174735	PASS
443	442	17	23	18.9	33049	PASS

DFTPP

Data File : M:\YODA\DATA\Y120301B\0302Y001.D Vial: 1
Acq On : 2 Mar 12 17:44 Operator: LF
Sample : SV TUNE 02-28-12 Inst : YODA
Misc : Multiplr: 1.00

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C



Spectrum Information: Average of 6.629 to 6.648 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	46.9	98442	PASS
68	69	0.00	2	1.6	1427	PASS
70	69	0.00	2	0.4	350	PASS
127	198	40	60	48.3	101491	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	210083	PASS
199	198	5	9	6.7	14130	PASS
275	198	10	30	26.3	55148	PASS
365	198	1	100	3.3	6835	PASS
441	443	0.01	100	77.6	31405	PASS
442	198	40	150	96.9	203552	PASS
443	442	17	23	19.9	40477	PASS

VF 1/17/11

PREP DATE:	01-17-11					
8270C Stock/Spike Standard						
Exp:	05-29-11					
		Conc.		Date	CODE:	P
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
Absolute	10001	2000	032009-28092	01/17/11	03-20-12	1000
Absolute	10001	2000	032009-28091	01/17/11	03-20-12	1000
Absolute	10002	2000	073109-27974	01/17/11	07-31-12	1000
Absolute	10002	2000	073109-27973	01/17/11	07-31-12	1000
Absolute	10004	2000	101509-27979	01/17/11	10-15-14	1000
Absolute	10004	2000	101509-27978	01/17/11	10-15-14	1000
Absolute	10005	2000	061209-27984	01/17/11	06-12-14	1000
Absolute	10005	2000	061209-27983	01/17/11	06-12-14	1000
Absolute	10006	2000	120810-27989	01/17/11	12-08-13	1000
Absolute	10006	2000	120810-27988	01/17/11	12-08-13	1000
Absolute	10007	2000	100909-28010	01/17/11	10-09-14	1000
Absolute	10007	2000	100909-28013	01/17/11	10-09-14	1000
Absolute	10018	2000	073109-27994	01/17/11	07-31-14	1000
Absolute	10018	2000	073109-27993	01/17/11	07-31-14	1000
Absolute	70023	1000	080310-28008	01/17/11	08-03-15	1000
Absolute	70023	1000	080310-28009	01/17/11	08-03-15	1000
Absolute	82705	2000	121010-27999	01/17/11	12-10-13	1000
Absolute	82705	2000	121010-27998	01/17/11	12-10-13	1000
Absolute	94552	2000	052908-28004	01/17/11	05-29-11	1000
Absolute	94552	2000	052908-28003	01/17/11	05-29-11	1000
					Final Vol	20000

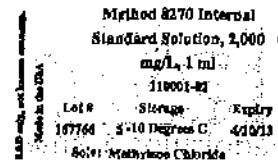
VF 1/25/11

PREP DATE:	01-25-11																
8270T STANDARD CURVE																	
Exp:	02-24-11					0.1	0.2	1	5	10	20	40	50	60	80	100	
		Conc.		Date													
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date			µL	µL	µL	µL	µL	µL	µL	µL	µL	
	8270T Stock	200		12/17/10	05-29-11	0	0	0	5	5	10	20	25	30	40	50	
	5.0ug/mL			01/25/11		0	0	20	0	0	0	0	0	0	0	0	
	1.0ug/mL			01/25/11		10	20	0	0	0	0	0	0	0	0	0	
	Surrogate Stock	VAR	160538-27570	11/11/10	11-11-11	0	0	0	5	5	10	20	25	30	40	50	
EM Science	Methylene Chloride		47080			90	80	80	190	90	80	60	50	40	20	0	
					Final Vol.			100	200	100	100	100	100	100	100	100	

VF 1/25/11

PREP DATE:	01-25-11						VF
8270 Second Source (88) 50ug/mL							
							50
		Conc.		Date	CODE:		
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	
	8270C SS	200		10/06/10	10-06-11	25	
EM Science	Methylene Chloride		47080			75	
					Final Vol.	100	

VF 1/25/11

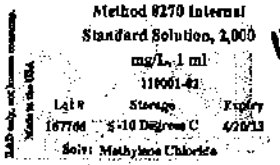


VF

exp 1/25/12

8270 Internal Standard
Lot #: 167766 - 28148
Rec: 1/20/11 MFR exp. 04/20/13

VF 1/25/11



VF

exp 1/25/12

8270 Internal Standard
Lot #: 167766 - 28147
Rec: 1/20/11 MFR exp. 04/20/13

LF 3/23/11

Part #: 94552 Laboratory Use Only-See MSDS
Lot #: 052908 Exp: 052911 1 mL
Semi-Volatile Standard
11 componente
Varied ug/mL in
ABSOLUTE STANDA
Semi-Volatile Standard
Lot #: 052908 - 28001
Rec: 12/16/10 MFR exp. 05/29/11

LF

exp 5/29/11

LF 3/23/11

Part #: 94552 Laboratory Use Only-See MSDS
Lot #: 052908 Exp: 052911 1 mL
Semi-Volatile Standard
11 componente
Varied ug/mL in
ABSOLUTE STANDA
Semi-Volatile Standard
Lot #: 052908 - 28002
Rec: 12/16/10 MFR exp. 05/29/11

LF

exp 5/29/11

LF 3/23/11

Part #: 82705 Laboratory Use Only - See MSDS
Lot #: 121010 Exp: 121013 Storage 4 °C
EPA Method 8270A
4 componente
2000 ug/mL in ace
EPA Method 8270A-Mix#11
Lot #: 121010 - 27996
Rec: 12/16/10 MFR exp. 12/10/13
ABSOLUTE STANDARDS, INC.

LF

exp 5/29/11

LF 3/23/11

Part #: 82705 Laboratory Use Only - See MSDS
Lot #: 121010 Exp: 121013 Storage 4 °C
EPA Method 8270A - Mix #11
4 componente
2000 ug/mL in ace
EPA Method 8270A-Mix#11
Lot #: 121010 - 27997
Rec: 12/16/10 MFR exp. 12/10/13
ABSOLUTE STANDA

LF

exp 5/29/11

LF 3/23/11

PREP DATE:	03-23-11					
8270C Stock/Spike Standard						
Exp:	05-29-11					
Supplier	ID #	Conc. µg/mL	Lot #	Date Code	CODE: Exp.Date	P µL
Absolute	10001	2000	032009-28089	03/23/11	03-20-12	1000
Absolute	10001	2000	320009-28090	03/23/11	03-20-12	1000
Absolute	10002	2000	073109-27971	03/23/11	07-31-12	1000
Absolute	10002	2000	073109-27972	03/23/11	07-31-12	1000
Absolute	10004	2000	101509-27976	03/23/11	10-15-14	1000
Absolute	10004	2000	101509-27977	03/23/11	10-15-14	1000
Absolute	10005	2000	061209-27981	03/23/11	06-12-14	1000
Absolute	10005	2000	061209-27982	03/23/11	06-12-14	1000
Absolute	10006	2000	120810-27986	03/23/11	12-08-13	1000
Absolute	10006	2000	120810-27987	03/23/11	12-08-13	1000
Absolute	10007	2000	100909-28015	03/23/11	10-09-14	1000
Absolute	10007	2000	100909-28014	03/23/11	10-09-14	1000
Absolute	10018	2000	073109-27991	03/23/11	07-31-14	1000
Absolute	10018	2000	073109-27992	03/23/11	07-31-14	1000
Absolute	70023	1000	080310-28006	03/23/11	08-03-15	1000
Absolute	70023	1000	080310-28007	03/23/11	08-03-15	1000
Absolute	82705	2000	052908-28001	03/23/11	05-29-11	1000
Absolute	82705	2000	052908-28002	03/23/11	05-29-11	1000
Absolute	94552	2000	121010-27996	03/23/11	12-10-13	1000
Absolute	94552	2000	121010-27997	03/23/11	12-10-13	1000
					Final Vol	20000

LF 3/23/11

9am IS exp 1/25/12
1500µL EM Science MC Lot #47080
100µL 8270 IS opened 1/25/11 exp 1/25/12

VF 3/28/11

8270 BN:A (200:400) Surrogate Solution, 1 ml

110004-17

Made in USA Lot No: 160538

Exp: 6/10/2011

Storage: </=-10 Degrees C

Solvent: Methylene Chloride

VF exp 3/28/12

Date Opened:

8270 BN:A (200:400) Surrogate Solution

Lot #: 160538 - 27574

Rec: 10/18/10 MFR exp. 08/10/12

VF 3/28/11

PREP DATE:	03-28-11															
8270T STANDARD CURVE																
Exp:	04-27-11															
		Conc.		Date		0.1	0.2	1	5	10	20	40	50	60	80	100
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date			µL	µL	µL	µL	µL	µL	µL	µL	µL
	8270T Stock	200		03/23/11	05-29-11	0	0	0	5	5	10	20	25	30	40	50
	5.0ug/mL			03/28/11		0	0	20	0	0	0	0	0	0	0	0
	1.0ug/mL			03/28/11		10	20	0	0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27574	03/28/11	03-28-12	0	0	0	5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47080			90	80	80	190	90	80	60	50	40	20	0
					Final Vol.			100	200	100	100	100	100	100	100	100

VF 3/28/11

PREP DATE:	03-28-11					
8270 Second Source (SS) 50ug/mL						
						50
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		10/06/10	10-06-11	25
EM Science	Methylene Chloride		47080			75
					Final Vol.	100

VF 4/28/11

GCM-160-1

Lot: CF-2995

Exp: 08/31/2011

ULTRA 1 mL

Semi-Volatiles GC/MS Tuning Standard

4 analyte(s) at 1000 µg/mL in dichloromethane

250 Smith St, No Kingstown, RI 02852 USA

Semi-volatiles GC/MS Tuning Standard

Lot #: CF-2995 - 26131

Rec: 2/17/10 MFR exp. 08/31/11

VF exp 8/31/11

VF 4/13/11

PREP DATE:	04-13-11					
SV Tune Mix 50ug/ml						
Exp:	08-31-11					
		Conc.		Date	CODE:	B
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
U. Scientific	GCM-150	1000	CF-2995-26131	04/13/11	08-31-11	1000
EM Science	MeCl2		47080			19000
					Final Vol	20000

exp 8/31/11

VF 4/20/11

8270D PAH SIM Solution, 200 mg/L, 1 ml

110780-01

Lot # 170253 Storage ≤-10 Degrees C Expiry 3/3/13

Solvent: Methylene Chloride

VF exp 4/20/12

8270D PAH SIM

Lot #: 170253 - 28485

Rec: 3/10/11 MFR exp. 3/3/2013

VF 4/20/11

8270D PAH SIM Solution, Second Source, 200 mg/L, 1 ml

110780-01-SS

Lot # 170254 Storage ≤-10 Degrees C Expiry 3/3/13

Solvent: Methylene Chloride

VF exp 4/20/12

8270D PAH SIM (SS)

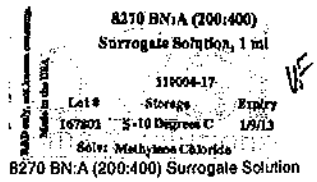
Lot #: 170256 - 28487

Rec: 3/10/11 MFR exp. 3/3/2013

VF 8/16/11

PREP DATE:	08/16/11		exp:	08/23/11			
10ug/mL 1,2,3-TCP							
	50uL of 1000ug/mL 1,2,3 TCP into a final volume of 5mL of P&T Methanol						
	1000ug/mL 1,2,3 TCP date code:			05/27/11			
	P & T Methonal Lot #			9077-02			
PREP DATE:	08/16/11		exp:	08/23/11			
1ug/mL 1,2,3-TCP							
	5uL of 1000ug/mL 1,2,3 TCP into a final volume of 5mL of P&T Methanol						
	1000ug/mL 1,2,3 TCP date code:			05/27/11			
	P & T Methanol Lot #			JT Baker H46E44			
PREP DATE:	08/16/11		exp:	08/23/11			
2ug/mL 1,2,3-TCPd5							
	10uL of 2000ug/mL 1,2,3 TCP into a final volume of 10mL of P&T Methanol						
	2000ug/mL 1,2,3 TCP-d5 date code:			05/27/11			
	P & T Methanol Lot #			9077-02			

VF 8/22/11



VF exp 8/22/12

8270 BN:A (200:400) Surrogate Solution
Lot #: 167802 - 29313
Rec: 8/8/11 MFR exp. 01/09/13

VF 8/22/11

PREP DATE:	08-22-11												
8270 STANDARD CURVE													
Exp:	08-29-11						5	10	20	40	50	60	80	100
Supplier	ID #	Conc. µg/mL	Lot #	Date Code	Exp.Date		µL	µL	µL	µL	µL	µL	µL	µL
	8270T Stock	200		07/26/11	01-26-12		5	5	10	20	25	30	40	50
	Surrogate Stock	VAR	167802-29313	08/22/11	08-22-12		5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47186				190	90	80	60	50	40	20	0
						Final Vol.	200	100	100	100	100	100	100	100

VF 8/22/11

PREP DATE:	08-22-11					
8270 Second Source (88) 50ug/mL						
						50
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		10/06/10	10-06-11	25
EM Science	Methylene Chloride		47186			75
					Final Vol.	100

VF 8/31/11

PREP DATE:	09-21-11												
8270 SIM STANDARD CURVE													
						0.10	0.20	0.50	1.00	5.00	10.00	50.00	100.00
		Conc.		Date	CODE:	A	A	C	D	E	F	G	H
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	µL	µL	µL	µL	µL	µL	µL
	8270D PAH SIM	200	170253-28485	04/20/11	04-20-12	0	0	0	0	5	5	25	50
	5.0ug/mL	5		09/21/11		0	0	10	20	0	0	0	0
	1.0ug/mL	1		09/21/11		10	20	0	0	0	0	0	0
	Surrogate Stock	VAR	167802-29313	08/22/11	08-23-11	0	0	0	0	5	5	25	50
EM Science	Methylene Chloride		47186			90	80	90	80	190	90	50	0
					Final Vol.	100	100	100	100	300	100	100	100

PREP DATE:	09-21-11						
SIM 8270 Second Source (5µg/mL)							
Exp:	10-05-11						
				Conc.	Date	CODE:	
Supplier	ID #		Lot #	µg/mL	Code	Exp.Date	µL
	8270D PAH SIM (SS)		170256-28467	200	04/20/11	04-20-12	5
	MeCl2			Lot#47185			195
					Final Volume		200

8270 BN Solution 14-4, 2,000 mg/L, 1 ml

Cat. No: 110391-01
Lot No: 158119
8270BN Solution 14-4
Lot #: 158119 - 28021
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
d: _____

8270 BN Solution 14-3, 2,000 mg/L, 1 ml

Cat. No: 110392-01
Lot No: 158120
8270BN Solution 14-3
Lot #: 158120 - 28023
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
ened: _____

8270 Acid Solution 4-6, 2,000 mg/L, 1 ml

Cat. No: 110393-01
Lot No: 158121
8270B Acid Solution 4-6
Lot #: 158121 - 28025
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
n For Research Use Only
ned: _____

TCL Hazardous Substances Solution 2, 2,000 mg/L, 1 ml

Cat. No: 110394-01
Lot No: 158122
TCL Hzd. Soln. 2
Lot #: 158122 - 28018
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
d: _____

PAH Solution 17-3, 2,000 mg/L, 1 ml

Cat. No: 116070-02
Lot No: 158123
PAH Solution
Lot #: 158123 - 28027
Rec: 12/16/10 MFR exp. 07/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
d: _____

8270 Acid Solution 13-4, 2,000 mg/L, 1 ml

Cat. No: 110396-01
Lot No: 158124
8270 Acid Solution 13-4
Lot #: 158124 - 28029
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
d: _____

8270 BN Solution 4-21, 2,000 mg/L, 1 ml

o2si
Cat. No: 110395-01
Lot No: 158125
Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
8270BN Solution 4-21
Lot #: 158125 - 28031
Rec: 12/16/10 MFR exp. 04/17/13
Opened: _____

exp 10/12/12

8270 11 Compound Custom Mix, 200:2,000 mg/L, 1 ml

o2si
Cat. No: 110397-01
Lot No: 158127
Exp: 4/12/2012
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
8270 11 Compound Mix
Lot #: 158127 - 28033
Rec: 12/16/10 MFR exp. 04/12/12
Opened: _____

exp 4/12/12

Atrazine Solution, 1,000 mg/L, 1 ml

o2si
Cat. No: 010337-01
Lot No: 158126
Exp: 4/12/2012
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
Atrazine
Lot #: 158126 - 28019
Rec: 12/16/10 MFR exp. 04/12/12
Opened: _____

exp 4/12/12

PREP DATE:	10-11-11					
8270C Second Source Stock Standard						
Exp:	04-12-12					
		Conc.		Date	CODE:	F
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
O2SI	110391-01	2000	158119-28021	10-11-11	04-17-13	1000
O2SI	110392-01	2000	158120-28023	10-11-11	04-17-13	1000
O2SI	110393-01	2000	158121-28025	10-11-11	04-17-13	1000
O2SI	110394-01	2000	158122-28018	10-11-11	04-17-13	1000
O2SI	116070-02	2000	158123-28027	10-11-11	04-17-13	1000
O2SI	110395-01	2000	158125-28031	10-11-11	04-17-13	1000
O2SI	110396-01	2000	158124-28029	10-11-11	04-17-13	1000
O2SI	110397-01	2000	158127-28033	10-11-11	04-12-12	1000
O2SI	010337-01	1000	158126-28019	10-11-11	04-12-12	1000
EM Science	MeCl2		47186			1000
					Final Vol	10000

PREP DATE:	10-11-11													
8270 STANDARD CURVE														
Exp:	10-18-11						5	10	20	40	50	60	80	100
		Conc.		Date										
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date		µL	µL	µL	µL	µL	µL	µL	µL
	8270T Stock	200		07/26/11	01-26-12		5	5	10	20	25	30	40	50
	Surrogate Stock	VAR	167802-29311	08/22/11	08-22-12		5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47186				190	90	80	60	50	40	20	0
					Final Vol.		200	100	100	100	100	100	100	100

PREP DATE:	10-11-11					
8270 Second Source (SS) 50ug/mL						
						50
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		10/11/11	04-12-12	25
EM Science	Methylene Chloride		47186			75
					Final Vol.	100

GCM-150-1
Lot: CH-2137
Exp: 07/31/2013
ULTRA 1 mL
Semi-Volatiles GC/MS Tuning Standard
4 analyte(s) at 1000 µg/mL in dichloromethane
For Lab Use Only

50µg/mL SV Tune Mix
1ml of GCM-150-1 opened 10/11/12 into 19mL EM Science MC Lot 47186
exp 10/11/12

VF 10/18/12

Part #: 10001
Lot #: 042910
Laboratory Use Only - See MSDS
Exp: 042913 Storage 0 °C
CLP Semi-Volatiles Base/Neutrals Mix #1
14 componente
2000 ug/mL in methy
ABSOLUTE STANDARD
CLP Semi-Volatiles Base/Neutrals Mix #1
Lot #: 042910 - 28440
Rec: 3/8/11 MFR exp. 4/29/2013

exp 10/18/12

VF 10/18/12

Part #: 10001
Lot #: 042910
Laboratory Use Only - See MSDS
Exp: 042913 Storage 0 °C
CLP Semi-Volatiles Base/Neutrals Mix #1
14 componente
2000 ug/mL in m
ABSOLUTE STANDA
Lot #: 042910 - 29085
Rec: 8/4/11 MFR exp. 04/29/13

exp 10/18/12

VF 10/18/12

Part #: 10002
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073112 Storage 4 °C
CLP Semi-Volatiles Base/Neutrals Mix #2
14 componente
2000 ug/mL in methyle
ABSOLUTE STANDARDS
CLP Semi-Volatiles Base/Neutrals Mix #2
Lot #: 073109 - 28446
Rec: 3/8/11 MFR exp. 7/31/2012

exp VF 7/31/12

VF 10/18/12

Part #: 10002
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073112 Storage 4 °C
CLP Semi-Volatiles Base/Neutrals Mix #2
14 componente
2000 ug/mL in met
ABSOLUTE STANDAF
CLP Semi-Volatiles Base Neutrals Mix #2
Lot #: 073109 - 29090
Rec: 8/4/11 MFR exp. 07/31/12

exp 7/31/12

VF 10/18/12

Part #: 10004
Lot #: 101509
Laboratory Use Only - See MSDS
Exp: 101514 Storage 4 °C
CLP Semi-Volatiles Toxic Subetances #1
4 componente
2000 ug/mL in methyl
ABSOLUTE STANDARDS
CLP Semi-Volatiles Toxic Substances #1
Lot #: 101509 - 28453
Rec: 3/8/11 MFR exp. 10/15/201

exp 10/18/12

VF 10/18/12

Part #: 10004
Lot #: 101509
Laboratory Use Only - See MSDS
Exp: 101514 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #1
4 componente
2000 ug/mL in meth
ABSOLUTE STANDAR
CLP Semi-Volatiles Toxic Substances #1
Lot #: 101509 - 29095
Rec: 8/4/11 MFR exp. 10/15/14

exp 10/16/12

VF 10/18/12

Part #: 10005
Lot #: 061209
Laboratory Use Only - See MSDS
Exp: 061214 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #2
8 componente
2000 ug/mL in methy
ABSOLUTE STANDARD
CLP Semi-Volatiles Toxic Substances #2
Lot #: 061209 - 28458
Rec: 3/8/11 MFR exp. 6/12/2014

exp 10/18/12

VF 10/18/12

Part #: 10005
Lot #: 121208
Laboratory Use Only - See MSDS
Exp: 121213 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #2
8 componente
2000 ug/mL in met
ABSOLUTE STANDAR
CLP Semi-Volatiles Toxic Substances #2
Lot #: 121208 - 29100
Rec: 8/4/11 MFR exp. 12/12/13

exp 10/18/12

Part #: 10006
Lot #: 120810
Laboratory Use Only - See MSDS
Exp: 120813 Storage 4 °C
CLP Semi-Volatiles - Benzidines
2 components
2000 ug/mL in methar
ABSOLUTE STANDARDS
CLP Semi-Volatiles - Benzidines
Lot #: 120810 - 28462
Rec: 3/8/11 MFR exp. 12/6/2013

exp 10/18/12

Part #: 10006
Lot #: 071211
Laboratory Use Only - See MSDS
Exp: 071214 Storage 4 °C
CLP Semi-Volatiles - Benzidines
2 componente
2000 ug/mL in meti
ABSOLUTE STANDAF
Lot #: 071211 - 28105
Rec: 8/4/11 MFR exp. 07/12/14

exp 10/18/12

Part #: 10007
Lot #: 100909
Laboratory Use Only - See MSDS
Exp: 100914 Storage 4 °C
CLP Semi-Volatiles - PAH Standard
17 componente
2000 ug/mL in methy
ABSOLUTE STANDARI
CLP Semi-Volatiles - PAH Mix
Lot #: 100909 - 28469
Rec: 3/8/11 MFR exp. 10/9/2014

exp 10/18/12

Part #: 10007
Lot #: 100909
Laboratory Use Only - See MSDS
Exp: 100914 Storage 4 °C
CLP Semi-Volatiles - PAH Standard
17 componente
2000 ug/mL in meti
ABSOLUTE STANDAR
CLP Semi-Volatiles - PAH Mix
Lot #: 100909 - 29110
Rec: 8/4/11 MFR exp. 10/09/14

exp 10/18/12

Part #: 10018
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073114 Storage 4 °C
EPA Method 8270A - Analytes Mix #8
13 components - Pher
2000 ug/mL in methyl
ABSOLUTE STANDARD
CLP Semi-Volatiles Mix #8 - Phenols
Lot #: 073109 - 28410
Rec: 3/8/11 MFR exp. 7/31/2014

exp 10/18/12

Part #: 10018
Lot #: 062111
Laboratory Use Only - See MSDS
Exp: 062116 Storage 4 °C
EPA Method 8270A - Analytes Mix #8
13 components - Phr
2000 ug/mL in meth
ABSOLUTE STANDARI
EPA Method 8270A - Analytes Mix #8
Lot #: 062111 - 29115
Rec: 8/4/11 MFR exp. 06/21/16

exp 10/18/12

Part #: 70023
Lot #: 080310
Laboratory Use Only - See MSDS
Exp: 080315 Storage 4 °C
Atrazine
1000 ug/mL in aceto
ABSOLUTE STANDARI
Atrazine
Lot #: 080310 - 28416
Rec: 3/8/11 MFR exp. 8/13/2015

exp 10/18/12

Part #: 70023
Lot #: 031611
Laboratory Use Only - See MSDS
Exp: 031616 Storage 4 °C
Atrazine
1000 ug/mL in ace
ABSOLUTE STANDA
Atrazine
Lot #: 031611 - 29120
Rec: 8/4/11 MFR exp. 03/16/16

exp 10/18/12

_SON009GR

Organic Extraction Worksheet

Method	8270 Sonicat Ext. Methyl (GROSS) 3550B	Extraction Set	120229A	Extraction Method	SON009GROSS	Units	mL

Spiked ID 1	8270T Spike 02/13/12 EX 07/31/12		Surrogate ID 1	8270 Surrogate 177982-29476	
Spiked ID 2			Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	yes	
Spiked ID 7			Ext. Start Time:		
Spiked ID 8			Ext. End Time:		
			GC Requires Extract By:	03/05/12 0:00	

pH1			Water Bath Temp Criteria	80 °C
pH2				
pH3				

Spiked By: DL **Date** 02/29/12 **Witnessed By:** GH **Date** 02/29/12

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	120229A Blk				1	1 equip	30.00g E-S5 E-WB5	1	NA	02/29/12 15:30	
2	120229A LCS-1		0.250	1	1	1 equip	30.00g E-S4 E-WB5	1	NA	02/29/12 15:30	
3	AY55846	AY55846S02			1	1 equip	34.82g E-S3 E-WB5	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
4	AY55847	AY55847S02			1	1 equip	36.60g E-S2 E-WB5	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
5	AY55848	AY55848S02			1	1 equip	33.99g E-S1.2 E-WB5	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
6	AY55849	AY55849S02			1	1 equip	33.66g E-S1.1 E-WB5	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
7	AY55850	AY55850S03			1	1 equip	35.19g E-S5 E-WB5	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
8	AY55851	AY55851S02			1	1 equip	31.33g E-S4 E-WB5	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
9	AY55852	AY55852S03			1	1 equip	32.55g E-S3 E-WB5	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
10	AY55853	AY55853S02			1	1 equip	34.25g E-S2 E-WB5	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
11	AY55854	AY55854S02			1	1 equip	32.32g E-S1.2 E-WB6	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
12	AY55855 MS-1	AY55855S03	0.250	1	1	1 equip	32.40g E-S1.1 E-WB6	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
13	AY55855 MSD-1	AY55855S03	0.250	1	1	1 equip	32.69g E-S5 E-WB6	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
14	AY55855	AY55855S03			1	1 equip	35.58g E-S4 E-WB6	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
15	AY55856	AY55856S03			1	1 equip	32.37g E-S3 E-WB7	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar
16	AY55869	AY55869S02			1	1 equip	33.99g E-S2 E-WB7	1	NA	02/29/12 15:30	67072-5 day rush -- 4oz Jar

Solvent and Lot#	
MC	EMD51306
Na2SO4	2351C512
Acidified Na2SO4	10/31/11
Ottawa Sand	TH12EZBMS

Extraction COC Transfer	
Extraction lab employee Initials	DRA
GC analyst's initials	
Date	3/2/12
Time	1700
Refrigerator	Hood

	Technician's Initials
Scanned By	GH
Sample Preparation	GH
Extraction	IC
Concentration	IC

Modified	03/01/12 9:53:42 AM

Reviewed By: DRA 166 **Date** 03/01/12

EPA METHOD 8260B
Volatile Organic Compounds

APPL, INC.

EPA METHOD 8260B
Volatile Organic Compounds
AFCEE Forms

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120229AC-164500
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
TB-1	AY55845

Comments: ARF: 67072

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

Signature: _____ Name: Diane Anderson

Date: 3-15-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120305AN-164483
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-SW9	AY55846
B4-NT1-SW6	AY55847

Comments: ARF: 67072

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

Signature: _____ Name: Diane Anderson

Date: 3-13-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120229AN-164497
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-SW3	AY55848
B4-NT1-BOT03	AY55849
B4-NT1-SW8	AY55850
B4-NT1-BOT02	AY55851
B4-NT1-SW4	AY55852
B4-NT1-SW7	AY55853
B4-NT1-BOT01 FD	AY55854
B4-NT1-SW5	AY55856
B4-NT1-SW6 FD	AY55869

Comments: ARF: 67072

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Signature: _____ Name: Diane Anderson

Date: 3-13-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120306AT-164608
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-BOT01	AY55855

Comments: ARF: 67072

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

Signature: _____ Name: Diane Anderson

Date: 3-13-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 120229AC-164500
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: TB-1 Lab Sample ID: AY55845 Matrix: Water
% Solids: NA Initial Calibration ID: C120224
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 29-Feb-12
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.09	0.5	0.09	1		U
1,1,1-TCA	0.03	0.8	0.03	1		U
1,1,2,2-TETRACHLOROETHANE	0.07	0.4	0.07	1		U
1,1,2-TCA	0.06	1.0	0.06	1		U
1,1-DCA	0.07	0.4	0.07	1		U
1,1-DCE	0.12	1.2	0.12	1		U
1,1-DICHLOROPROPENE	0.10	1.0	0.10	1		U
1,2,3-TRICHLOROBENZENE	0.24	0.3	0.24	1		U
1,2,3-TRICHLOROPROPANE	0.17	3.2	0.17	1		U
1,2,4-TRICHLOROBENZENE	0.16	0.4	0.16	1		U
1,2,4-TRIMETHYLBENZENE	0.04	1.3	0.04	1		U
1,2-DCA	0.05	0.6	0.05	1		U
1,2-DCB	0.02	0.3	0.02	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.76	2.6	0.76	1		U
1,2-DICHLOROPROPANE	0.06	0.4	0.06	1		U
1,2-EDB	0.06	0.6	0.06	1		U
1,3,5-TRIMETHYLBENZENE	0.04	0.5	0.04	1		U
1,3-DCB	0.03	1.2	0.03	1		U
1,3-DICHLOROPROPANE	0.05	0.4	0.05	1		U
1,4-DCB	0.07	0.3	0.07	1		U
1-CHLOROHEXANE	0.04	0.5	0.04	1		U
2,2-DICHLOROPROPANE	0.10	3.5	0.10	1		U
2-CHLOROTOLUENE	0.04	0.4	0.04	1		U
4-CHLOROTOLUENE	0.04	0.6	0.04	1		U
BENZENE	0.07	0.4	0.07	1		U
BROMOBENZENE	0.06	0.3	0.06	1		U
BROMOCHLOROMETHANE	0.11	0.4	0.11	1		U
BROMODICHLOROMETHANE	0.06	0.8	0.06	1		U
BROMOFORM	0.13	1.2	0.13	1		U
BROMOMETHANE	0.08	1.1	0.08	1		U
CARBON TETRACHLORIDE	0.06	2.1	0.06	1		U
CHLOROBENZENE	0.04	0.4	0.04	1		U
CHLOROETHANE	0.07	1.0	0.07	1		U
CHLOROFORM	0.06	0.3	0.06	1		U
CHLOROMETHANE	0.16	1.3	0.16	1		U

Comments:

ARF: 67072

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 120229AC-164500
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: TB-1 Lab Sample ID: AY55845 Matrix: Water
% Solids: NA Initial Calibration ID: C120224
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 29-Feb-12
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.07	1.2	0.07	1		U
CIS-1,3-DICHLOROPROPENE	0.03	1.0	0.03	1		U
DIBROMOCHLOROMETHANE	0.06	0.5	0.06	1		U
DIBROMOMETHANE	0.06	2.4	0.06	1		U
DICHLORODIFLUOROMETHANE	0.11	1.0	0.11	1		U
ETHYLBENZENE	0.05	0.6	0.05	1		U
HEXACHLOROBUTADIENE	0.17	1.1	0.17	1		U
ISOPROPYLBENZENE	0.04	0.5	0.04	1		U
M&P-XYLENE	0.07	0.5	0.07	1		U
METHYLENE CHLORIDE	0.35	1.0	0.35	1		U
N-BUTYLBENZENE	0.17	1.1	0.17	1		U
N-PROPYLBENZENE	0.03	0.4	0.03	1		U
NAPHTHALENE	0.07	0.4	0.07	1		U
O-XYLENE	0.06	1.1	0.06	1		U
P-ISOPROPYLTOLUENE	0.05	1.2	0.05	1		U
SEC-BUTYLBENZENE	0.05	1.3	0.05	1		U
STYRENE	0.08	0.4	0.08	1		U
TCE	0.05	1.0	0.05	1		U
TERT-BUTYLBENZENE	0.04	1.4	0.04	1		U
TETRACHLOROETHENE	0.06	1.4	0.06	1		U
TOLUENE	0.06	1.1	0.06	1		U
TRANS-1,2-DCE	0.08	0.6	0.08	1		U
TRANS-1,3-DICHLOROPROPENE	0.04	1.0	0.04	1		U
TRICHLOROFLUOROMETHANE	0.07	0.8	0.07	1		U
VINYL CHLORIDE	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	95.8	69-139	
SURROGATE: 4-BROMOFLUOROBENZE	99.2	75-125	
SURROGATE: DIBROMOFLUOROMETH	95.1	75-125	
SURROGATE: TOLUENE-D8 (S)	97.5	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120305AN-164483
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW9 Lab Sample ID: AY55846 Matrix: Soil
% Solids: 87.3 Initial Calibration ID: N120305
Date Received: 28-Feb-12 Date Prepared: 06-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		U
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		U
1,1-DCE	0.0011	0.006	0.0011	1		U
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		U
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		U
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		U
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		U
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		U
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		U
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		U
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0015	1		U
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		U

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120305AN-164483
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW9 Lab Sample ID: AY55846 Matrix: Soil
% Solids: 87.3 Initial Calibration ID: N120305
Date Received: 28-Feb-12 Date Prepared: 06-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		U
ETHYLBENZENE	0.0010	0.003	0.0010	1		U
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		U
M&P-XYLENE	0.0018	0.007	0.0018	1		U
METHYLENE CHLORIDE	0.0013	0.005	0.0013	1		U
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		U
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		U
NAPHTHALENE	0.0010	0.020	0.0010	1		U
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		U
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		U
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		U
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		U
TETRACHLOROETHENE	0.0008	0.007	0.0013	1		F
TOLUENE	0.0010	0.005	0.0010	1		U
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		U
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		U
VINYL CHLORIDE	0.0013	0.009	0.0013	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	84.0	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	109	65-135	
SURROGATE: DIBROMOFLUOROMETH	88.6	65-135	
SURROGATE: TOLUENE-D8 (S)	118	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120305AN-164483
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 Lab Sample ID: AY55847 Matrix: Soil
% Solids: 83.2 Initial Calibration ID: N120305
Date Received: 28-Feb-12 Date Prepared: 06-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		U
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		U
1,1-DCE	0.0011	0.006	0.0011	1		U
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		U
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		U
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		U
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		U
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		U
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		U
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		U
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0015	1		U
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		U

Comments:

ARF: 67072

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120305AN-164483
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 Lab Sample ID: AY55847 Matrix: Soil
% Solids: 83.2 Initial Calibration ID: N120305
Date Received: 28-Feb-12 Date Prepared: 06-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		U
ETHYLBENZENE	0.0010	0.003	0.0010	1		U
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		U
M&P-XYLENE	0.0018	0.007	0.0018	1		U
METHYLENE CHLORIDE	0.0013	0.005	0.0026	1		F
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		U
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		U
NAPHTHALENE	0.0010	0.020	0.0010	1		U
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		U
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		U
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		U
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		U
TETRACHLOROETHENE	0.0008	0.007	0.0009	1		F
TOLUENE	0.0010	0.005	0.0010	1		U
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		U
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		U
VINYL CHLORIDE	0.0013	0.009	0.0013	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	101	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	101	65-135	
SURROGATE: DIBROMOFLUOROMETH	104	65-135	
SURROGATE: TOLUENE-D8 (S)	111	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW3 Lab Sample ID: AY55848 Matrix: Soil
% Solids: 88.3 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 29-Feb-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		U
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		U
1,1-DCE	0.0011	0.006	0.0011	1		U
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		U
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		U
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		U
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		U
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		U
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		U
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		U
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0015	1		U
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		U

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW3 Lab Sample ID: AY55848 Matrix: Soil
% Solids: 88.3 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 29-Feb-12 Date Analyzed: 29-Feb-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		U
ETHYLBENZENE	0.0010	0.003	0.0010	1		U
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		U
M&P-XYLENE	0.0018	0.007	0.0018	1		U
METHYLENE CHLORIDE	0.0013	0.005	0.0013	1		U
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		U
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		U
NAPHTHALENE	0.0010	0.020	0.0010	1		U
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		U
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		U
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		U
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		U
TETRACHLOROETHENE	0.0008	0.007	0.0008	1		U
TOLUENE	0.0010	0.005	0.0010	1		U
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		U
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		U
VINYL CHLORIDE	0.0013	0.009	0.0013	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	128	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	98.1	65-135	
SURROGATE: DIBROMOFLUOROMETH	119	65-135	
SURROGATE: TOLUENE-D8 (S)	96.8	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT03 Lab Sample ID: AY55849 Matrix: Soil
% Solids: 89.4 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		U
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		U
1,1-DCE	0.0011	0.006	0.0011	1		U
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		U
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		U
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		U
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		U
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		U
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		U
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		U
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0015	1		U
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT03 Lab Sample ID: AY55849 Matrix: Soil
% Solids: 89.4 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		U
ETHYLBENZENE	0.0010	0.003	0.0010	1		U
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		U
M&P-XYLENE	0.0018	0.007	0.0018	1		U
METHYLENE CHLORIDE	0.0013	0.005	0.0013	1		U
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		U
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		U
NAPHTHALENE	0.0010	0.020	0.0010	1		U
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		U
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		U
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		U
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		U
TETRACHLOROETHENE	0.0008	0.007	0.0008	1		U
TOLUENE	0.0010	0.005	0.0010	1		U
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		U
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		U
VINYL CHLORIDE	0.0013	0.009	0.0013	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	124	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	101	65-135	
SURROGATE: DIBROMOFLUOROMETH	117	65-135	
SURROGATE: TOLUENE-D8 (S)	103	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW8 Lab Sample ID: AY55850 Matrix: Soil
% Solids: 85.5 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Conflrm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		U
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		U
1,1-DCE	0.0011	0.006	0.0011	1		U
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		U
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		U
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		U
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		U
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		U
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		U
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		U
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0015	1		U
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW8 Lab Sample ID: AY55850 Matrix: Soil
% Solids: 85.5 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		U
ETHYLBENZENE	0.0010	0.003	0.0010	1		U
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		U
M&P-XYLENE	0.0018	0.007	0.0018	1		U
METHYLENE CHLORIDE	0.0013	0.005	0.0013	1		U
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		U
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		U
NAPHTHALENE	0.0010	0.020	0.0010	1		U
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		U
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		U
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		U
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		U
TETRACHLOROETHENE	0.0008	0.007	0.0008	1		U
TOLUENE	0.0010	0.005	0.0010	1		U
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		U
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		U
VINYL CHLORIDE	0.0013	0.009	0.0013	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	126	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	99.0	65-135	
SURROGATE: DIBROMOFLUOROMETH	120	65-135	
SURROGATE: TOLUENE-D8 (S)	101	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT02 Lab Sample ID: AY55851 Matrix: Soil
% Solids: 95.8 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		U
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		U
1,1-DCE	0.0011	0.006	0.0011	1		U
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		U
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		U
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		U
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		U
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		U
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		U
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		U
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0015	1		U
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		U

Comments:

ARF: 67072

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT02 Lab Sample ID: AY55851 Matrix: Soil
% Solids: 95.8 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		U
ETHYLBENZENE	0.0010	0.003	0.0010	1		U
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		U
M&P-XYLENE	0.0018	0.007	0.0018	1		U
METHYLENE CHLORIDE	0.0013	0.005	0.0013	1		U
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		U
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		U
NAPHTHALENE	0.0010	0.020	0.0010	1		U
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		U
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		U
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		U
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		U
TETRACHLOROETHENE	0.0008	0.007	0.0008	1		U
TOLUENE	0.0010	0.005	0.0010	1		U
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		U
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		U
VINYL CHLORIDE	0.0013	0.009	0.0013	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	115	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	93.2	65-135	
SURROGATE: DIBROMOFLUOROMETH	107	65-135	
SURROGATE: TOLUENE-D8 (S)	87.2	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW4 Lab Sample ID: AY55852 Matrix: Soil
% Solids: 92.2 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		U
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		U
1,1-DCE	0.0011	0.006	0.0011	1		U
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		U
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		U
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		U
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		U
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		U
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		U
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		U
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0015	1		U
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		U

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW4 Lab Sample ID: AY55852 Matrix: Soil
% Solids: 92.2 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		U
ETHYLBENZENE	0.0010	0.003	0.0010	1		U
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		U
M&P-XYLENE	0.0018	0.007	0.0018	1		U
METHYLENE CHLORIDE	0.0013	0.005	0.0013	1		U
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		U
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		U
NAPHTHALENE	0.0010	0.020	0.0010	1		U
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		U
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		U
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		U
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		U
TETRACHLOROETHENE	0.0008	0.007	0.0008	1		U
TOLUENE	0.0010	0.005	0.0010	1		U
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		U
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		U
VINYL CHLORIDE	0.0013	0.009	0.0013	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	116	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	108	65-135	
SURROGATE: DIBROMOFLUOROMETH	113	65-135	
SURROGATE: TOLUENE-D8 (S)	105	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW7 Lab Sample ID: AY55853 Matrix: Soil
% Solids: 87.7 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		U
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		U
1,1-DCE	0.0011	0.006	0.0011	1		U
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		U
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		U
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		U
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		U
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		U
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		U
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		U
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0015	1		U
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		U

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW7 Lab Sample ID: AY55853 Matrix: Soil
% Solids: 87.7 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		U
ETHYLBENZENE	0.0010	0.003	0.0010	1		U
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		U
M&P-XYLENE	0.0018	0.007	0.0018	1		U
METHYLENE CHLORIDE	0.0013	0.005	0.0013	1		U
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		U
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		U
NAPHTHALENE	0.0010	0.020	0.0010	1		U
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		U
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		U
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		U
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		U
TETRACHLOROETHENE	0.0008	0.007	0.0008	1		U
TOLUENE	0.0010	0.005	0.0010	1		U
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		U
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		U
VINYL CHLORIDE	0.0013	0.009	0.0013	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	136	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	106	65-135	
SURROGATE: DIBROMOFLUOROMETH	124	65-135	
SURROGATE: TOLUENE-D8 (S)	103	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 FD Lab Sample ID: AY55854 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		U
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		U
1,1-DCE	0.0011	0.006	0.0011	1		U
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		U
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		U
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		U
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		U
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		U
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		U
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		U
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0015	1		U
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		U

Comments:

ARF: 67072

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 FD Lab Sample ID: AY55854 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		U
ETHYLBENZENE	0.0010	0.003	0.0010	1		U
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		U
M&P-XYLENE	0.0018	0.007	0.0018	1		U
METHYLENE CHLORIDE	0.0013	0.005	0.0013	1		U
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		U
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		U
NAPHTHALENE	0.0010	0.020	0.0010	1		U
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		U
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		U
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		U
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		U
TETRACHLOROETHENE	0.0008	0.007	0.0008	1		U
TOLUENE	0.0010	0.005	0.0010	1		U
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		U
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		U
VINYL CHLORIDE	0.0013	0.009	0.0013	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	126	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	91.3	65-135	
SURROGATE: DIBROMOFLUOROMETH	115	65-135	
SURROGATE: TOLUENE-D8 (S)	97.7	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120306AT-164608
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 Lab Sample ID: AY55855 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: T120307
Date Received: 28-Feb-12 Date Prepared: 07-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		M
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		M
1,1-DCE	0.0011	0.006	0.0011	1		M
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		M
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		M
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		M
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		M
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		M
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		M
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		M
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0022	1		M
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		M

Comments: M = Matrix effect.

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120306AT-164608
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 Lab Sample ID: AY55855 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: T120307
Date Received: 28-Feb-12 Date Prepared: 07-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		M
ETHYLBENZENE	0.0010	0.003	0.0010	1		M
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		M
M&P-XYLENE	0.0018	0.007	0.0018	1		M
METHYLENE CHLORIDE	0.0013	0.005	0.0013	1		U
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		M
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		M
NAPHTHALENE	0.0010	0.020	0.0010	1		M
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		M
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		M
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		M
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		M
TETRACHLOROETHENE	0.0008	0.007	0.0008	1		M
TOLUENE	0.0010	0.005	0.0010	1		M
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		M
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		M
VINYL CHLORIDE	0.0013	0.009	0.0013	1		M

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	104	52-149	
SURROGATE: 4-BROMOFLUOROBENZ	89.0	65-135	
SURROGATE: DIBROMOFLUOROMETH	104	65-135	
SURROGATE: TOLUENE-D8 (S)	102	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments: M = Matrix effect.

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW5 Lab Sample ID: AY55856 Matrix: Soil
% Solids: 92.8 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		U
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		U
1,1-DCE	0.0011	0.006	0.0011	1		U
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		U
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		U
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		U
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		U
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		U
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		U
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		U
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0015	1		U
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		U

Comments:

ARF: 67072

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW5 Lab Sample ID: AY55856 Matrix: Soil
% Solids: 92.8 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		U
ETHYLBENZENE	0.0010	0.003	0.0010	1		U
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		U
M&P-XYLENE	0.0018	0.007	0.0018	1		U
METHYLENE CHLORIDE	0.0013	0.005	0.0013	1		U
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		U
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		U
NAPHTHALENE	0.0010	0.020	0.0010	1		U
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		U
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		U
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		U
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		U
TETRACHLOROETHENE	0.0008	0.007	0.0008	1		U
TOLUENE	0.0010	0.005	0.0010	1		U
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		U
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		U
VINYL CHLORIDE	0.0013	0.009	0.0013	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	122	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	90.0	65-135	
SURROGATE: DIBROMOFLUOROMETH	114	65-135	
SURROGATE: TOLUENE-D8 (S)	88.8	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 FD Lab Sample ID: AY55869 Matrix: Soil
% Solids: 85.4 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		U
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		U
1,1-DCE	0.0011	0.006	0.0011	1		U
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		U
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		U
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		U
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		U
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		U
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		U
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		U
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0015	1		U
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		U

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120229AN-164497
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 FD Lab Sample ID: AY55869 Matrix: Soil
% Solids: 85.4 Initial Calibration ID: N120229
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		U
ETHYLBENZENE	0.0010	0.003	0.0010	1		U
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		U
M&P-XYLENE	0.0018	0.007	0.0018	1		U
METHYLENE CHLORIDE	0.0013	0.005	0.0013	1		U
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		U
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		U
NAPHTHALENE	0.0010	0.020	0.0010	1		U
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		U
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		U
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		U
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		U
TETRACHLOROETHENE	0.0008	0.007	0.0008	1		U
TOLUENE	0.0010	0.005	0.0010	1		U
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		U
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		U
VINYL CHLORIDE	0.0013	0.009	0.0013	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	125	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	101	65-135	
SURROGATE: DIBROMOFLUOROMETH	115	65-135	
SURROGATE: TOLUENE-D8 (S)	96.1	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260 | AAB #: 120229AC-164509

Lab Name: AFPL, Inc. | Contract #: *0012

Instrument ID: Chico | Date of Initial Calibration: 24-Feb-12

Initial Calibration ID: C120224 | Concentration Units (ug/L or mg/kg): ug/L

Analyte	RRF 1	RF 1	%RSD 1	RF 2	%RSD 2	RF 3	%RSD 3	RF 4	%RSD 4	RF 5	%RSD 5	RF 6	%RSD 6	RF 7	%RSD 7	RF 8	%RSD 8	RF 9	%RSD 9	RF 10	%RSD 10
1,1,1,2-Tetrachloroethane	0.3	0.832	0.5	0.810	1.0	0.843	200.0	0.836	10.0	0.955	100.0	0.934	40.0	0.934	5.0	1.060					
1,1,1-TCA	0.3	1.214	0.5	1.212	1.0	1.210	200.0	1.097	10.0	1.253	100.0	1.105	40.0	1.161	5.0	1.300					
1,1,2-TCA	0.3	0.482	0.5	0.429	1.0	0.444	200.0	0.367	10.0	0.422	100.0	0.379	40.0	0.398	5.0	0.478					
1,1-Dichloropropene	0.3	1.142	0.5	1.105	1.0	0.998	200.0	0.978	10.0	1.071	100.0	0.945	40.0	0.972	5.0	1.126					
1,2,3-Trichlorobenzene	0.3	0.925	0.5	0.975	1.0	0.903	200.0	0.835	10.0	1.032	100.0	0.850	40.0	0.944	5.0	1.015					
1,2,3-Trichloropropane	0.3	0.127	0.5	0.116	1.0	0.099	200.0	0.068	10.0	0.110	100.0	0.101	40.0	0.109	5.0	0.118					
1,2,4-Trichlorobenzene	0.3	1.176	0.5	1.106	1.0	1.115	200.0	0.967	10.0	1.153	100.0	1.010	40.0	1.078	5.0	1.195					
1,2,4-Trimethylbenzene	0.3	7.350	0.5	6.796	1.0	6.565	200.0	5.663	10.0	6.704	100.0	6.009	40.0	6.232	5.0	6.960					
1,2-DCA	0.3	0.646	0.5	0.782	1.0	0.787	200.0	0.660	10.0	0.804	100.0	0.870	40.0	0.709	5.0	0.865					
1,2-DCB	0.3	3.495	0.5	3.852	1.0	3.705	200.0	3.093	10.0	3.686	100.0	3.287	40.0	3.452	5.0	3.624					
1,2-Dibromo-3-chloropropane	0.3	0.224	0.5	0.143	1.0	0.211	200.0	0.147	10.0	0.170	100.0	0.185	40.0	0.168	5.0	0.183					
1,2-EDB	0.3	0.583	0.5	0.597	1.0	0.593	200.0	0.564	10.0	0.644	100.0	0.600	40.0	0.617	5.0	0.668					
1,3,5-Trimethylbenzene	0.3	6.766	0.5	6.648	1.0	6.550	200.0	5.411	10.0	6.420	100.0	5.766	40.0	6.022	5.0	6.710					
1,3-DCB	0.3	4.078	0.5	4.042	1.0	4.105	200.0	3.646	10.0	4.183	100.0	3.695	40.0	3.800	5.0	4.276					
1,3-Dichloropropane	0.3	1.008	0.5	1.049	1.0	1.074	200.0	0.974	10.0	1.113	100.0	0.987	40.0	1.008	5.0	1.215					
1,4-DCB	0.3	4.066	0.5	3.901	1.0	3.839	200.0	3.451	10.0	3.972	100.0	3.600	40.0	3.726	5.0	4.074					
1-Chlorobutane	0.3	1.658	0.5	1.589	1.0	1.295	200.0	1.205	10.0	1.417	100.0	1.213	40.0	1.264	5.0	1.456					
2,2-Dichloropropane	0.3		0.5		1.0	1.113	200.0	0.997	10.0	1.101	100.0	1.027	40.0	1.079	5.0	1.246					
2-Chlorobutane	0.3	0.320	0.5	7.020	1.0	0.422	200.0	5.076	10.0	0.290	100.0	6.029	40.0	6.315	5.0	6.665					
4-Chlorotoluene	0.3	6.955	0.5	6.918	1.0	6.700	200.0	4.837	10.0	6.699	100.0	4.903	40.0	5.342	5.0	6.856					
Acetone	0.3	0.350	0.5	0.207	1.0	0.452	200.0	0.083	10.0	0.083	100.0	0.083	40.0	0.080	5.0	0.101					
Benzene	0.3	3.400	0.5	3.316	1.0	3.265	200.0	2.836	10.0	3.264	100.0	2.964	40.0	2.987	5.0	3.374					
Bromobenzene	0.3	2.055	0.5	2.253	1.0	2.274	200.0	1.867	10.0	2.162	100.0	1.952	40.0	2.007	5.0	2.350					
Bromochloromethane	0.3	0.427	0.5	0.345	1.0	0.345	200.0	0.320	10.0	0.375	100.0	0.327	40.0	0.348	5.0	0.420					
Bromodichloromethane	0.3	0.905	0.5	0.923	1.0	0.879	200.0	0.868	10.0	0.991	100.0	0.918	40.0	0.935	5.0	1.071					
Bromoethane	0.3	0.171	0.5	0.182	1.0	0.145	200.0	0.109	10.0	0.179	100.0	0.187	40.0	0.183	5.0	0.170					
Carbon Tetrachloride	0.3	0.885	0.5	1.006	1.0	0.954	200.0	0.978	10.0	1.058	100.0	0.977	40.0	1.012	5.0	1.129					
Chloroethane	0.3	0.155	0.5	0.153	1.0	0.171	200.0	0.132	10.0	0.180	100.0	0.140	40.0	0.169	5.0	0.158					
Cis-1,2-DCE	0.3		0.5	1.272	1.0	0.855	200.0	0.855	10.0	1.011	100.0	0.877	40.0	0.899	5.0	1.095					
Cis-1,3-Dichloropropene	0.3	1.189	0.5	1.301	1.0	1.126	200.0	1.049	10.0	1.154	100.0	1.074	40.0	1.102	5.0	1.270					
Dibromochloromethane	0.3	0.650	0.5	0.666	1.0	0.655	200.0	0.797	10.0	0.287	100.0	0.801	40.0	0.794	5.0	0.851					
Dibromomethane	0.3	0.322	0.5	0.300	1.0	0.371	200.0	0.374	10.0	0.425	100.0	0.378	40.0	0.384	5.0	0.458					
Dichlorodifluoromethane	0.3	0.833	0.5	0.680	1.0	0.779	200.0	0.832	10.0	0.845	100.0	0.827	40.0	0.875	5.0	0.706					
Hexachlorobutadiene	0.3		0.5	1.322	1.0	1.078	200.0	0.925	10.0	1.061	100.0	0.950	40.0	1.018	5.0	1.046					
Isopropylbenzene	0.3	7.027	0.5	8.126	1.0	7.574	200.0	6.574	10.0	7.610	100.0	7.009	40.0	7.361	5.0	8.146					
m/p-Xylene	0.3	1.312	0.5	1.792	1.0	1.782	200.0	2.025	10.0	1.800	100.0	1.809	40.0	1.898	5.0	1.897					
Methylene chloride	0.3		0.5		1.0		200.0	0.711	10.0	0.639	100.0	0.716	40.0	0.753	5.0	0.876					
Methyl-t-butyl ether (MTBE)	0.3	1.705	0.5	1.555	1.0	1.466	200.0	1.216	10.0	1.615	100.0	1.547	40.0	1.375	5.0	1.662					
MEK (2-Butanone)	0.3		0.5	0.108	1.0	0.109	200.0		10.0	0.087	100.0	0.079	40.0	0.078	5.0	0.099					
MIBK (methyl isobutyl ketone)	0.3	0.976	0.5	0.902	1.0	0.771	200.0	0.593	10.0	0.744	100.0	0.709	40.0	0.700	5.0	0.744					
n-Butylbenzene	0.3	6.325	0.5	6.210	1.0	5.654	200.0	5.379	10.0	6.334	100.0	5.529	40.0	5.656	5.0	6.418					
n-Propylbenzene	0.3	9.458	0.5	9.708	1.0	9.264	200.0	7.745	10.0	9.453	100.0	8.356	40.0	8.878	5.0	9.820					
Naphthalene	0.3	3.907	0.5	4.632	1.0	3.768	200.0	3.650	10.0	4.062	100.0	3.741	40.0	3.850	5.0	4.379					
o-Xylene	0.3	1.628	0.5	1.789	1.0	1.773	200.0	1.580	10.0	1.637	100.0	1.622	40.0	1.764	5.0	1.954					
p-Isopropyltoluene	0.3	7.451	0.5	7.252	1.0	7.054	200.0	6.122	10.0	7.029	100.0	6.365	40.0	6.790	5.0	7.490					
Sec-Butylbenzene	0.3	8.700	0.5	8.237	1.0	8.051	200.0	7.453	10.0	8.530	100.0	7.737	40.0	8.251	5.0	8.859					
Styrene	0.3	2.660	0.5	2.844	1.0	2.704	200.0	2.550	10.0	2.949	100.0	2.692	40.0	2.793	5.0	3.056					
TCE	0.3	0.706	0.5	0.886	1.0	0.804	200.0	0.703	10.0	0.860	100.0	0.778	40.0	0.821	5.0	0.947					
Tert-Butylbenzene	0.3	7.068	0.5	6.841	1.0	7.046	200.0	6.206	10.0	6.762	100.0	6.060	40.0	6.365	5.0	7.055					
Tetrachloroethene	0.3	0.834	0.5	1.005	1.0	0.904	200.0	0.852	10.0	0.974	100.0	0.868	40.0	0.916	5.0	1.047					
Trans-1,2-DCE	0.3		0.5	1.187	1.0	0.919	200.0	0.900	10.0	0.809	100.0	0.803	40.0	0.825	5.0	0.966					
Trans-1,3-Dichloropropene	0.3	0.893	0.5	0.827	1.0	0.769	200.0	0.791	10.0	0.857	100.0	0.810	40.0	0.826	5.0	0.948					
Trichlorofluoromethane	0.3	0.173	0.5	0.207	1.0	0.179	200.0		10.0	0.200	100.0	0.184	40.0	0.183	5.0	0.181					
1,2-DCA-D4(S)	0.3		0.5	0.762	1.0	0.655	200.0		10.0	0.656	100.0	0.699	40.0	0.610	5.0	0.757					
1-Bromofluorobenzene(S)	0.3		0.5	1.492	1.0	1.448	200.0		10.0	1.280	100.0	1.182	40.0	1.295	5.0	1.509					
Dibromofluoromethane(S)	0.3		0.5	0.650	1.0	0.781	200.0		10.0	0.818	100.0	0.760	40.0	0.778	5.0	0.852					
Toluene-D8(S)	0.3		0.5	9.618	1.0	9.844	200.0		10.0	9.383	100.0	9.166	40.0	9.102	5.0	9.450					

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260 | AAB #: 120229AC-164500

Lab Name: APPL, Inc. | Contract #: 10012

Instrument ID: Chico | Date of Initial Calibration: 24-Feb-12

Initial Calibration ID: C120224 | Concentration Units (ug/L or mg/kg): ug/L

Analyte	% RSD	mean %RSD	r	COD	Q
1,1,1,2-Tetrachloroethane	7.0				
1,1,1-TCA	7.4				
1,1,2-TCA	9.3				
1,1-Dichloropropene	8.2				
1,2,3-Trichlorobenzene	7.1				
1,2,3-Trichloropropane	10.5				
1,2,4-Trichlorobenzene	7.1				
1,2,4-Trimethylbenzene	8.4				
1,2-DCA	10.7				
1,2-DCB	7.5				
1,2-Dibromo-3-chloropropane	13.3				
1,2-EDB	5.6				
1,3,5-Trimethylbenzene	7.9				
1,3-DCB	6.1				
1,3-Dichloropropane	7.6				
1,4-DCB	5.8				
1-Chlorobutane	6.0				
2,2-Dichloropropane	8.6				
2-Chlorotoluene	10.3				
4-Chlorotoluene	7.4				
Acetone	63.4		1.0000		
Benzene	7.1				
Bromobenzene	16.3		1.0000		
Bromochloromethane	11.2				
Bromodichloromethane	6.6				
Bromomethane	8.0				
Carbon Tetrachloride	7.4				
Chloroethane	8.7				
Cis-1,2-DCE	15				
Cis-1,3-Dichloropropene	9.7				
Dibromochloromethane	9.4				
Dibromomethane	10.7				
Dichlorodifluoromethane	21.4				
Hexachlorobutadiene	23.2		1.0000		
Isopropylbenzene	7.4				
m&p-Xylene	8.0				
Methylene chloride	14.3				
Methyl t-butyl ether (MTBE)	11.3				
MEK (2-Butanone)	14.9				
MIBK (methyl isobutyl ketone)	14.0				
n-Butylbenzene	6.2				
n-Propylbenzene	7.9				
Naphthalene	8.9				
o-Xylene	6.8				
p-Isopropyltoluene	6.8				
Sec-Butylbenzene	7.2				
Styrene	6.5				
TCE	8.1				
Tert-Butylbenzene	7.9				
Tetrachloroethene	7.5				
Trans-1,2-DCE	14.2				
Trans-1,3-Dichloropropene	6.5				
Trichlorofluoromethane	12.4				
1,2-DCA-D4(S)	8.9				
4-Bromofluorobenzene(S)	9.3				
Dibromofluoromethane(S)	4.5				
Toluene-D8(S)	5.1				

Comments:

AFCEB
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260 AAB #: 120229AC-164500

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Chico Date of Initial Calibration: 24-Feb-12

Initial Calibration ID: C120224 Concentration Units (ug/L or mg/kg): ug/L

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	Std 9	RF 9
Chloroethane *	0.3	0.284	0.5	0.302	1.0	0.278	200.0		10.0	0.269	100.0		40.0	0.244	5.0	0.254		
Vinyl chloride #	0.3	0.215	0.5	0.249	1.0	0.208	200.0	0.191	10.0	0.177	100.0	0.200	40.0	0.183	5.0	0.212		
1,1-DCE #	0.3		0.5	0.930	1.0	0.659	200.0	0.653	10.0	0.720	100.0	0.660	40.0	0.692	5.0	0.774		
1,1-DCA *	0.3	1.583	0.5	1.385	1.0	1.457	200.0	1.229	10.0	1.474	100.0	1.265	40.0	1.279	5.0	1.568		
Chloroform #	0.3	1.014	0.5	0.953	1.0	0.908	200.0	0.858	10.0	0.956	100.0	0.870	40.0	0.868	5.0	1.078		
1,2-Dichloropropane #	0.3	0.842	0.5	0.830	1.0	0.730	200.0	0.697	10.0	0.814	100.0	0.717	40.0	0.745	5.0	0.884		
Toluene #	0.3	3.705	0.5	3.392	1.0	3.130	200.0	2.698	10.0	3.359	100.0	2.983	40.0	3.129	5.0	3.668		
Chlorobenzene *	0.3	2.738	0.5	2.711	1.0	2.691	200.0	2.411	10.0	2.829	100.0	2.456	40.0	2.649	5.0	2.955		
Ethylbenzene #	0.3	4.778	0.5	4.828	1.0	4.541	200.0	4.055	10.0	4.660	100.0	4.147	40.0	4.373	5.0	4.81		
Bromoform *	0.3	0.470	0.5	0.358	1.0	0.355	200.0	0.511	10.0	0.451	100.0	0.483	40.0	0.485	5.0	0.478		
1,1,2,2-Tetrachloroethane *	0.3	1.012	0.5	1.141	1.0	1.122	200.0	1.007	10.0	1.106	100.0	1.031	40.0	1.05	5.0	1.222		

* SPCCs # CCCs

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260

AAB #: 120229AC-164500

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: Chico

Date of Initial Calibration: 24-Feb-12

Initial Calibration ID: C120224

Concentration Units (ug/L or mg/kg): ug/L

Analyte	% RSD	mean %RSD	r	COD	Q
Chloromethane *	7.6				
1,1-DCA *	9.8				
Bromoform *	13.2				
Chlorobenzene *	6.7				
1,1,2,2-TCA *	6.9				
1,1-DCE #	13.8				
Chloroform #	8.0				
1,2-DCP #	8.7				
Toluene #	9.1				
Ethylbenzene #	6.7				
Vinyl chloride #	11.1				

* SPCCs # CCCs

Comments:

AFCEE FORM O-3A Page ___ of ___

APCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B — AAB #: 120229AN-164497

Lab Name: APPL, Inc. — Contract #: *G012

Instrument ID: Neo — Date of Initial Calibration: 29-Feb-12

Initial Calibration ID: NI120229 — Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8
1,1,1,2-Tetrachloroethane	0.005	1.065	0.002	1.051	0.020	1.019	0.100	1.041	0.050	1.027	0.200	1.046	0.010	0.937		
1,1,1-TCA	0.005	1.858	0.001	1.717	0.020	1.868	0.100	1.829	0.050	1.482	0.200	1.590	0.010	1.533		
1,1,2-TCA	0.005	0.635	0.002	0.640	0.020	0.587	0.100	0.607	0.050	0.674	0.200	0.575	0.010	0.534		
1,1-Dichloropropene	0.005	1.612	0.002	1.640	0.020	1.700	0.100	1.689	0.050	1.504	0.200	1.504	0.010	1.505		
1,2,3-Trichlorobenzene	0.005	2.347	0.002	2.589	0.020	2.235	0.100	2.178	0.050	2.101	0.200	2.242	0.010	2.498		
1,2,3-Trichloropropane	0.005	0.733	0.002	0.617	0.020	0.614	0.100	0.632	0.050	0.582	0.200	0.714	0.010	0.651		
1,2,4-Trichlorobenzene	0.005	2.725	0.002	3.262	0.020	2.636	0.100	2.562	0.050	2.546	0.200	2.723	0.010	2.850		
1,2,4-Trimethylbenzene	0.005	9.984	0.002	8.925	0.020	9.627	0.100	9.053	0.050	8.566	0.200	10.674	0.010	9.998		
1,2-DCA	0.005	1.292	0.002	1.233	0.020	1.214	0.100	1.221	0.050	1.328	0.200	1.187	0.010	1.135		
1,2-DCB	0.005	4.333	0.003	5.149	0.020	3.768	0.100	4.052	0.050	3.995	0.200	4.350	0.010	4.094		
1,2-Dibromo-3-chloropropane	0.005	0.468	0.001	0.370	0.020	0.391	0.100	0.395	0.050	0.319	0.200	0.430	0.010	0.342		
1,2-EDB	0.005	1.004	0.002	0.958	0.020	1.024	0.100	1.065	0.050	0.978	0.200	1.028	0.010	0.943		
1,3,5-Trimethylbenzene	0.005	9.875	0.002	8.864	0.020	9.292	0.100	9.320	0.050	9.005	0.200	10.783	0.010	10.241		
1,3-DCB	0.005	4.617	0.002	4.395	0.020	4.689	0.100	4.562	0.050	4.443	0.200	4.901	0.010	4.588		
1,3-Dichloropropane	0.005	1.790	0.002	1.584	0.020	1.754	0.100	1.820	0.050	1.791	0.200	1.783	0.010	1.678		
1,4-DCB	0.005	4.920	0.002	4.617	0.020	4.350	0.100	4.438	0.050	4.320	0.200	4.709	0.010	4.675		
1-Chlorohexane	0.005	2.215	0.002	2.068	0.020	2.407	0.100	2.387	0.050	1.933	0.200	2.432	0.010	2.149		
2,2-Dichloropropane	0.005	1.651	0.002	1.771	0.020	1.747	0.100	1.653	0.050	1.593	0.200	1.628	0.010	1.446		
2-Chlorotoluene	0.005	10.540	0.002	10.262	0.020	9.988	0.100	9.916	0.050	9.484	0.200	10.884	0.010	11.114		
4-Chlorotoluene	0.005	8.598	0.002	8.843	0.020	8.400	0.100	8.189	0.050	8.179	0.200	9.618	0.010	8.928		
Acetone	0.005	0.951	0.002	1.073	0.020	0.508	0.100	0.371	0.050	0.367	0.200	0.377	0.010	0.569		
Benzene	0.005	4.336	0.002	4.260	0.020	4.160	0.100	4.180	0.050	4.316	0.200	4.165	0.010	3.972		
Bromobenzene	0.005	2.621	0.002	2.542	0.020	2.360	0.100	2.393	0.050	2.485	0.200	2.650	0.010	2.672		
Bromochloromethane	0.005	0.400	0.002	0.413	0.020	0.362	0.100	0.318	0.050	0.345	0.200	0.309	0.010	0.343		
Bromodichloromethane	0.005	1.323	0.002	1.166	0.020	1.267	0.100	1.307	0.050	1.304	0.200	1.235	0.010	1.218		
Bromomethane	0.005	0.533	0.002	0.784	0.020	0.615	0.100	0.678	0.050	0.845	0.200	0.775	0.010	0.415		
Carbon Tetrachloride	0.005	1.234	0.001	1.012	0.020	1.313	0.100	1.339	0.050	1.223	0.200	1.331	0.010	1.106		
Chloroethane	0.005	0.970	0.002	1.008	0.020	1.006	0.100	0.913	0.050	0.869	0.200	0.928	0.010	0.932		
Cis-1,2-DCE	0.005	1.093	0.002	1.112	0.020	1.110	0.100	1.094	0.050	1.124	0.200	1.045	0.010	1.008		
Cis-1,3-Dichloropropene	0.005	1.554	0.002	1.570	0.020	1.495	0.100	1.610	0.050	1.729	0.200	1.535	0.010	1.384		
Dibromochloromethane	0.005	1.218	0.002	1.120	0.020	1.164	0.100	1.247	0.050	1.208	0.200	1.211	0.010	1.114		
Dibromomethane	0.005	0.625	0.002	0.589	0.020	0.548	0.100	0.569	0.050	0.605	0.200	0.642	0.010	0.541		
Dichlorodifluoromethane	0.005	2.051	0.002	1.831	0.020	1.870	0.100	1.731	0.050	1.507	0.200	1.748	0.010	1.733		
Hexachlorobutadiene	0.005	1.008	0.002	0.810	0.020	0.810	0.100		0.050	0.692	0.200		0.010	0.884		
Isopropylbenzene	0.005	12.556	0.002	12.053	0.020	12.108	0.100	12.188	0.050	10.667	0.200	13.647	0.010	13.085		
m&p-Xylene	0.005	2.200	0.002	2.218	0.020	2.113	0.100	2.117	0.050	1.924	0.200	2.122	0.010	2.121		
Methylene chloride	0.005	0.774	0.002		0.020	0.673	0.100	0.635	0.050	0.582	0.200	0.615	0.010	0.690		
Methyl t-butyl ether (MTBE)	0.005	2.281	0.002	2.242	0.020	2.255	0.100	2.303	0.050	2.493	0.200	2.197	0.010	2.010		
MEK (2-Butanone)	0.005	1.115	0.002	1.252	0.020	0.950	0.100	0.852	0.050	0.858	0.200	0.842	0.010	0.915		
MIBK (methyl isobutyl ketone)	0.005	3.655	0.002	3.722	0.020	3.311	0.100	3.421	0.050	3.254	0.200	3.810	0.010	3.664		
n-Butylbenzene	0.005	11.823	0.002	12.491	0.020	11.424	0.100	11.082	0.050	9.831	0.200	13.148	0.010	12.380		
n-Propylbenzene	0.005	17.045	0.002	15.419	0.020	16.260	0.100	16.281	0.050	14.921	0.200	18.577	0.010	18.799		
Naphthalene	0.005	5.100	0.002	6.047	0.020	5.031	0.100	4.886	0.050	4.487	0.200	5.050	0.010	5.263		
o-Xylene	0.005	2.002	0.001	1.980	0.020	1.901	0.100	1.962	0.050	1.663	0.200	1.859	0.010	1.961		
p-Isopropyltoluene	0.005	10.903	0.002	10.494	0.020	10.381	0.100	10.368	0.050	8.786	0.200	11.282	0.010	10.854		
Sec-Butylbenzene	0.005	14.082	0.002	13.419	0.020	13.664	0.100	13.399	0.050	11.753	0.200	15.674	0.010	15.065		
Styrene	0.005	2.125	0.002	2.048	0.020	1.969	0.100	1.958	0.050	1.934	0.200	1.860	0.010	1.918		
TCE	0.005	1.108	0.002	1.123	0.020	1.086	0.100	1.079	0.050	1.015	0.200	1.038	0.010	0.973		
Tert-Butylbenzene	0.005	9.937	0.002	9.602	0.020	8.924	0.100	8.851	0.050	8.185	0.200	10.777	0.010	10.117		
Tetrachloroethene	0.005	1.005	0.002	0.938	0.020	1.102	0.100	1.027	0.050	0.855	0.200	1.067	0.010	0.987		
Trans-1,2-DCE	0.005	1.149	0.002	1.027	0.020	1.081	0.100	1.056	0.050	1.058	0.200	1.057	0.010	0.951		
Trans-1,3-Dichloropropene	0.005	1.365	0.002	1.334	0.020	1.298	0.100	1.322	0.050	1.431	0.200	1.284	0.010	1.213		
Trichlorofluoromethane	0.005	1.386	0.002	1.495	0.020	1.505	0.100	1.409	0.050	1.327	0.200	1.479	0.010	1.431		
1,2-DCA-D4(S)	0.005	1.134	0.002	1.042	0.020	0.926	0.100	1.042	0.050	0.815	0.200	1.022	0.010	0.888		
4-Bromofluorobenzene(S)	0.005	1.780	0.002	2.869	0.020	1.405	0.100	1.523	0.050	1.033	0.200	1.503	0.010	1.477		
Dibromofluoromethane(S)	0.005	0.961	0.002	1.340	0.020	0.867	0.100	0.896	0.050	0.718	0.200	0.965	0.010	0.840		
Toluene-D8(S)	0.005	4.968	0.002	7.138	0.020	4.303	0.100	4.544	0.050	2.980	0.200	4.711	0.010	4.234		

Comments: _____

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B
AAB #: 120229AN-164497
Lab Name: APPL, Inc.
Contract #: *G012
Instrument ID: Neo
Date of Initial Calibration: 29-Feb-12
Initial Calibration ID: NI120229
Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
1,1,1,2-Tetrachloroethane	4.6				
1,1,1-TCA	7.9				
1,1,2-TCA	8.5				
1,1-Dichloropropene	4.7				
1,2,3-Trichlorobenzene	7.6				
1,2,3-Trichloropropane	8.5				
1,2,4-Trichlorobenzene	9.0				
1,2,4-Trimethylbenzene	7.7				
1,2-DCA	5.4				
1,2-DCB	4.7				
1,2-Dibromo-3-chloropropane	13.1				
1,2-EDB	4.3				
1,3,5-Trimethylbenzene	7.2				
1,3-DCB	4.3				
1,3-Dichloropropane	5.1				
1,4-DCB	4.6				
1-Chlorohexane	8.5				
2,2-Dichloropropane	6.6				
2-Chlorotoluene	5.6				
4-Chlorotoluene	5.8				
Acetone	48.6		0.9990		
Benzene	2.9				
Bromobenzene	5.1				
Bromochloromethane	11.0				
Bromodichloromethane	5.7				
Bromomethane	20.6		0.9930		
Carbon Tetrachloride	9.9				
Chloroethane	4.8				
Cis-1,2-DCE	3.9				
Cis-1,3-Dichloropropene	6.8				
Dibromochloromethane	4.3				
Dibromomethane	5.8				
Dichlorodifluoromethane	9.7				
Hexachlorobutadiene	13.6				
Isopropylbenzene	7.6				
m&p-Xylene	4.5				
Methylene chloride	10.1				
Methyl t-butyl ether (MTBE)	6.4				
MEK (2-Butanone)	15				
MIBK (methyl isobutyl ketone)	6.1				
n-Butylbenzene	9.8				
n-Propylbenzene	8.1				
Naphthalene	9.2				
o-Xylene	3.0				
p-Isopropyltoluene	7.7				
Sec-Butylbenzene	9.2				
Styrene	4.4				
TCE	5.1				
Tert-Butylbenzene	9.3				
Tetrachloroethene	8.3				
Trans-1,2-DCE	4.8				
Trans-1,3-Dichloropropene	5.2				
Trichlorofluoromethane	4.5				
1,2-DCA-D4(S)	22.8		0.9985		
4-Bromofluorobenzene(S)	35.0		0.9965		
Dibromofluoromethane(S)	20.4		0.9975		
Toluene-D8(S)	26.6		0.9955		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B AAB #: 120229AN-164497

Lab Name: AFFL, Inc. Contract #: *G012

Instrument ID: Neo Date of Initial Calibration: 29-Feb-12

Initial Calibration ID: N120229 Concentration Units (ug/L or mg/kg): ug/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8
Chloromethane *	0.005	2.760	0.002	2.993	0.020	2.441	0.100	2.106	0.050	2.241	0.200	2.153	0.010	2.308		
Vinyl chloride #	0.005	0.553	0.002	0.486	0.020	0.505	0.100	0.460	0.050	0.475	0.200	0.466	0.010	0.499		
1,1-DCE #	0.005	1.084	0.002	0.936	0.020	1.017	0.100	0.951	0.050	0.913	0.200	0.976	0.010	0.947		
1,1-DCA *	0.005	2.320	0.002	1.986	0.020	2.230	0.100	2.144	0.050	2.242	0.200	2.119	0.010	2.062		
Chloroform #	0.005	1.864	0.002	1.738	0.020	1.778	0.100	1.803	0.050	1.911	0.200	1.747	0.010	1.65		
1,2-Dichloropropane #	0.005	1.137	0.002	1.120	0.020	1.125	0.100	1.138	0.050	1.239	0.200	1.113	0.010	1.042		
Toluene #	0.005	4.164	0.002	4.407	0.020	3.968	0.100	3.908	0.050	3.940	0.200	3.904	0.010	3.827		
Chlorobenzene *	0.005	3.265	0.002	2.862	0.020	3.165	0.100	3.166	0.050	3.024	0.200	3.124	0.010	3.05		
Ethylbenzene #	0.005	6.710	0.002	6.226	0.020	6.263	0.100	6.161	0.050	5.802	0.200	6.278	0.010	6.112		
Bromoform *	0.005	0.710	0.002	0.639	0.020	0.705	0.100	0.763	0.050	0.714	0.200	0.739	0.010	0.688		
1,1,2,2-Tetrachloroethane *	0.005	2.855	0.002	2.654	0.020	2.751	0.100	2.774	0.050	2.674	0.200	2.993	0.010	2.935		

* SPCCs # CCCs

Comments: _____

AFCEE FORM O-3A Page ____ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B

AAB #: 120229AN-164497

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: Neo

Date of Initial Calibration: 29-Feb-12

Initial Calibration ID: N120229

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
Chloromethane *	13.6				
1,1-DCA *	5.3				
Bromoform *	5.5				
Chlorobenzene *	4.2				
1,1,2,2-TCA *	4.6				
1,1-DCE #	6.0				
Chlocoform #	4.8				
1,2-DCP #	5.1				
Toluene #	5.0				
Ethylbenzene #	4.3				
Vinyl chloride #	6.5				

* SPCCs # CCCs

Comments:

AFCEE FORM O-3A Page ____ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B

AAB #: 120305AN-154483

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: Neo

Date of Initial Calibration: 5 Mar 12

Initial Calibration ID: NI120305

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8
1,1,1,2-Tetrachloroethane	0.005	1.210	0.002	1.231	0.020	1.115	0.100	1.117	0.050	1.106	0.200	1.115	0.010	1.105		
1,1,1-TCA	0.005	1.388	0.002	1.071	0.020	1.209	0.100	1.256	0.050	1.156	0.200	1.196	0.010	1.292		
1,1,2-TCA	0.005	0.659	0.002	0.642	0.020	0.613	0.100	0.624	0.050	0.630	0.200	0.552	0.010	0.668		
1,1-Dichloropropene	0.005	1.323	0.002	1.073	0.020	1.209	0.100	1.190	0.050	1.044	0.200	1.130	0.010	1.256		
1,2,3-Trichlorobenzene	0.005	3.238	0.002	3.986	0.020	2.360	0.100	2.403	0.050	2.640	0.200	2.400	0.010	2.843		
1,2,3-Trichloropropane	0.005	0.864	0.002	1.003	0.020	0.836	0.100	0.709	0.050	0.778	0.200	0.723	0.010	0.714		
1,2,4-Trichlorobenzene	0.005	3.603	0.002	3.655	0.020	2.701	0.100	2.658	0.050	2.945	0.200	2.693	0.010	2.781		
1,2,4-Trimethylbenzene	0.005	10.791	0.002	10.395	0.020	8.373	0.100	9.011	0.050	10.090	0.200	9.564	0.010	8.698		
1,2-DCA	0.005	1.443	0.002	1.314	0.020	1.169	0.100	1.290	0.050	1.263	0.200	1.151	0.010	1.247		
1,2-DCB	0.005	5.117	0.002	5.282	0.020	4.162	0.100	4.234	0.050	4.605	0.200	4.400	0.010	4.100		
1,2-Dibromo-3-chloropropane	0.005	0.435	0.002	0.420	0.020	0.358	0.100	0.386	0.050	0.460	0.200	0.411	0.010	0.317		
1,2-EDB	0.005	1.238	0.002	1.134	0.020	1.098	0.100	1.087	0.050	1.084	0.200	1.141	0.010	1.097		
1,3,5-Trimethylbenzene	0.005	10.741	0.002	9.882	0.020	9.173	0.100	9.027	0.050	9.743	0.200	9.457	0.010	8.723		
1,3-DCB	0.005	5.765	0.002	5.224	0.020	4.755	0.100	4.822	0.050	5.379	0.200	4.738	0.010	4.763		
1,3-Dichloropropane	0.005	2.175	0.002	1.961	0.020	1.990	0.100	1.942	0.050	1.799	0.200	1.955	0.010	1.883		
1,4-DCB	0.005	5.766	0.002	6.287	0.020	4.728	0.100	4.438	0.050	4.847	0.200	4.615	0.010	4.860		
1-Chlorohexane	0.005	1.818	0.002	1.436	0.020	1.629	0.100	1.654	0.050	1.464	0.200	1.688	0.010	1.729		
2,2-Dichloropropane	0.005	1.626	0.002	1.343	0.020	1.333	0.100	1.333	0.050	1.214	0.200	1.230	0.010	1.292		
2-Chlorotoluene	0.005	11.747	0.002	11.982	0.020	9.914	0.100	9.748	0.050	10.659	0.200	9.998	0.010	9.367		
4-Chlorotoluene	0.005	10.696	0.002	10.290	0.020	8.704	0.100	8.083	0.050	9.586	0.200	8.810	0.010	8.729		
Acetone	0.005	0.737	0.002	1.343	0.020	0.490	0.100	0.321	0.050	0.345	0.200	0.260	0.010	0.671		
Benzene	0.005	4.283	0.002	3.924	0.020	3.602	0.100	3.685	0.050	3.622	0.200	3.401	0.010	3.679		
Bromobenzene	0.005	3.276	0.002	3.488	0.020	2.694	0.100	2.681	0.050	2.983	0.200	2.799	0.010	2.708		
Bromochloromethane	0.005	0.423	0.002	0.333	0.020	0.362	0.100	0.326	0.050	0.332	0.200	0.287	0.010	0.361		
Bromodichloromethane	0.005	1.476	0.002	1.311	0.020	1.236	0.100	1.373	0.050	1.300	0.200	1.197	0.010	1.185		
Bromomethane	0.005	0.611	0.002	0.703	0.020	0.483	0.100	0.574	0.050	0.441	0.200	0.553	0.010	0.444		
Carbon Tetrachloride	0.005	0.988	0.002		0.020	0.891	0.100	1.000	0.050	0.884	0.200	0.932	0.010	0.922		
Chloroethane	0.005	0.009	0.002	0.651	0.020	0.713	0.100	0.709	0.050	0.626	0.200	0.651	0.010	0.786		
Cis-1,2-DCE	0.005	1.022	0.002	1.052	0.020	0.988	0.100	1.008	0.050	0.999	0.200	0.903	0.010	0.977		
Cis-1,3-Dichloropropene	0.005	1.759	0.002	1.871	0.020	1.543	0.100	1.612	0.050	1.537	0.200	1.425	0.010	1.666		
Dibromochloromethane	0.005	1.395	0.002	1.368	0.020	1.314	0.100	1.351	0.050	1.279	0.200	1.364	0.010	1.175		
Dibromomethane	0.005	0.671	0.002	0.660	0.020	0.567	0.100	0.594	0.050	0.570	0.200	0.516	0.010	0.677		
Dichlorodifluoromethane	0.005	1.165	0.002	0.648	0.020	1.191	0.100	0.983	0.050	0.632	0.200	0.934	0.010	1.164		
Hexachlorobutadiene	0.005	1.974	0.002	1.762	0.020	1.754	0.100	1.737	0.050	1.777	0.200	1.839	0.010	1.747		
Isopropylbenzene	0.005	12.992	0.002	11.350	0.020	11.101	0.100	10.390	0.050	11.682	0.200	11.967	0.010	11.291		
m&p-Xylene	0.005	2.173	0.002	1.916	0.020	1.905	0.100	1.811	0.050	1.806	0.200	1.990	0.010	1.910		
Methylene chloride	0.005	0.800	0.002	0.902	0.020	0.628	0.100	0.614	0.050	0.622	0.200		0.010	0.608		
Methyl t-butyl ether (MTBE)	0.005	2.828	0.002	2.643	0.020	2.316	0.100	2.492	0.050	2.427	0.200	2.164	0.010	2.288		
MEK (2-Butanone)	0.005	1.116	0.002	1.404	0.020	0.919	0.100	0.847	0.050	0.821	0.200	0.750	0.010	0.916		
MIBK (methyl isobutyl ketone)	0.005	5.078	0.002		0.020	4.126	0.100	3.604	0.050	4.141	0.200	3.717	0.010	4.049		
n-Butylbenzene	0.005	11.949	0.002	10.202	0.020	9.184	0.100	9.292	0.050	10.045	0.200	10.054	0.010	9.886		
n-Propylbenzene	0.005	17.142	0.002	15.332	0.020	14.769	0.100	14.273	0.050	15.412	0.200	15.685	0.010	15.066		
Naphthalene	0.005	8.629	0.002	7.858	0.020	5.749	0.100	5.830	0.050	6.262	0.200	5.394	0.010	5.624		
o-Xylene	0.005	2.206	0.002	1.918	0.020	1.851	0.100	1.874	0.050	1.912	0.200	1.949	0.010	1.838		
p-Isopropyltoluene	0.005	10.930	0.002	9.555	0.020	9.165	0.100	9.004	0.050	9.291	0.200	9.574	0.010	9.309		
Sec-Butylbenzene	0.005	13.915	0.002	11.658	0.020	12.154	0.100	11.605	0.050	12.487	0.200	13.034	0.010	11.914		
Styrene	0.005	2.236	0.002	2.159	0.020	1.982	0.100	2.011	0.050	2.022	0.200	2.040	0.010	1.981		
TCE	0.005	0.931	0.002	0.832	0.020	0.877	0.100	0.893	0.050	0.837	0.200	0.790	0.010	0.849		
Tert-Butylbenzene	0.005	10.227	0.002	8.634	0.020	8.567	0.100	8.191	0.050	9.086	0.200	9.013	0.010	8.749		
Tetrachloroethene	0.005	0.929	0.002	0.699	0.020	0.891	0.100	0.784	0.050	0.737	0.200	0.881	0.010	0.833		
Trans-1,2-DCE	0.005	1.009	0.002	0.944	0.020	0.871	0.100	0.877	0.050	0.813	0.200	0.793	0.010	0.872		
Trans-1,3-Dichloropropene	0.005	1.467	0.002	1.512	0.020	1.323	0.100	1.373	0.050	1.245	0.200	1.184	0.010	1.358		
Trichlorofluoromethane	0.005	1.084	0.002	0.847	0.020	1.038	0.100	0.978	0.050	0.725	0.200	0.917	0.010	1.040		
1,2-DCA-D4(S)	0.005	1.212	0.002		0.020	1.074	0.100	1.059	0.050	0.934	0.200	0.940	0.010	1.086		
4-Bromofluorobenzene(S)	0.005	2.127	0.002		0.020	1.841	0.100	1.549	0.050	1.365	0.200	1.513	0.010	1.706		
Dibromofluoromethane(S)	0.005	1.088	0.002	1.201	0.020	0.938	0.100	0.938	0.050	0.840	0.200	0.835	0.010	0.947		
Toluene-D8(S)	0.005	4.991	0.002		0.020	4.468	0.100	3.996	0.050	3.767	0.200	4.435	0.010	4.285		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B

AAB #: 120105AN-16448J

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: Neo

Date of Initial Calibration: 5 Mar 12

Initial Calibration ID: NI20305

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
1,1,1,2-Tetrachloroethane	4.8				
1,1,1-TCA	8.3				
1,1,2-TCA	6.4				
1,1-Dichloropropene	8.5				
1,2,3-Trichlorobenzene	23		0.9990		
1,2,3-Trichloropropane	16		0.9990		
1,2,4-Trichlorobenzene	14				
1,2,4-Trimethylbenzene	7.3				
1,2-DCA	7.4				
1,2-DCB	11				
1,2-Dibromo-3-chloropropane	12				
1,2-EDB	5.1				
1,3,5-Trimethylbenzene	7.0				
1,3-DCB	8.9				
1,3-Dichloropropane	5.9				
1,4-DCB	13				
1-Chlorohexane	11				
2,2-Dichloropropane	7.8				
2-Chlorotoluene	9.8				
4-Chlorotoluene	10				
Acetone	64		0.9960		
Benzene	7.6				
Bromobenzene	11				
Bromochloromethane	12				
Bromodichloromethane	8.0				
Bromomethane	22		0.9970		
Carbon Tetrachloride	5.1				
Chloroethane	44		0.9970		
Cis-1,2-DCE	4.7				
Cis-1,3-Dichloropropene	9.3				
Dibromochloromethane	5.6				
Dibromomethane	9.2				
Dichlorodifluoromethane	25		0.9900		
Hexachlorobutadiene	4.7				
Isopropylbenzene	7.0				
m&p-Xylene	6.5				
Methylene chloride	18		1.0000		
Methyl t-butyl ether (MTBE)	9.3				
MEK (2-Butanone)	23		0.9970		
MIBK (methyl isobutyl ketone)	13				
n-Butylbenzene	9.1				
n-Propylbenzene	5.9				
Naphthalene	13				
o-Xylene	6.5				
p-Isopropyltoluene	6.7				
Sec-Butylbenzene	6.7				
Styrene	4.9				
TCE	5.3				
Tert-Butylbenzene	7.4				
Tetrachloroethene	10				
Trans-1,2-DCE	8.4				
Trans-1,3-Dichloropropene	8.5				
Trichlorofluoromethane	18		0.9950		
1,2-DCA-D4(S)	9.8				
4-Bromofluorobenzene(S)	16		0.9990		
Dibromofluoromethane(S)	14				
Toluene-D8(S)	9.9				

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B AAB #: 120305AN-164483

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Neo Date of Initial Calibration: 5 Mar 12

Initial Calibration ID: N120305 Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8
Chloromethane *	0.005	2.460	0.002	2.520	0.020	1.937	0.100	1.666	0.050	1.541	0.200	1.554	0.010	1.987		
Vinyl chloride #	0.005	0.479	0.002	0.295	0.020	0.385	0.100	0.366	0.050	0.321	0.200	0.335	0.010	0.432		
1,1-DCE #	0.005	0.738	0.002	0.608	0.020	0.739	0.100	0.697	0.050	0.590	0.200	0.664	0.010	0.723		
1,1-DCA *	0.005	2.148	0.002	1.957	0.020	1.910	0.100	1.928	0.050	1.887	0.200	1.797	0.010	1.92		
Chloroform #	0.005	1.874	0.002	1.790	0.020	1.627	0.100	1.736	0.050	1.690	0.200	1.645	0.010	1.65		
1,2-Dichloropropane #	0.005	1.228	0.002	1.162	0.020	1.110	0.100	1.167	0.050	1.138	0.200	1.014	0.010	1.02		
Toluene #	0.005	3.759	0.002	3.696	0.020	3.435	0.100	3.455	0.050	3.634	0.200	3.191	0.010	3.385		
Chlorobenzene *	0.005	3.380	0.002	3.262	0.020	3.111	0.100	2.993	0.050	3.122	0.200	3.092	0.010	3.036		
Ethylbenzene #	0.005	6.459	0.002	5.492	0.020	5.687	0.100	6.584	0.050	5.404	0.200	5.834	0.010	5.623		
Bromoform *	0.005	0.873	0.002	0.857	0.020	0.773	0.100	0.798	0.050	0.781	0.200	0.803	0.010	0.717		
1,1,2,2-Tetrachloroethane *	0.005	3.791	0.002	4.007	0.020	3.105	0.100	3.132	0.050	3.474	0.200	3.271	0.010	3.044		

* SPCCs # CCCs

Comments: _____

AFCEE FORM O-3A Page ___ of ___

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B

AAB #: 120305AN-164483

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: Neo

Date of Initial Calibration: 5 Mar 12

Initial Calibration ID: NI120305

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
Chloromethane *	20.8		0.9990		
1,1-DCA *	5.5				
Bromoform *	6.6				
Chlorobenzene *	4.3				
1,1,2,2-TCA *	10.9				
1,1-DCB #	9.1				
Chloroform #	6.4				
1,2-DCP #	6.9				
Toluene #	6.7				
Ethylbenzene #	6.1				
Vinyl chloride #	17.3				

* SPCCs # CCCs

Comments:

AFCEE FORM O-3A Page ____ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B

AAB #: 120306AT-164608

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: Thor

Date of Initial Calibration: 7 Mar 12

Initial Calibration ID: T120307

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8
1,1,1,2-Tetrachloroethane	0.002	0.365	0.050	0.413	0.100	0.400	0.020	0.341	0.005	0.360	0.010	0.383	0.200	0.409		
1,1,1-TCA	0.002	0.319	0.050	0.344	0.100	0.383	0.020	0.343	0.005	0.340	0.010	0.334	0.200	0.380		
1,1,2-TCA	0.002	0.271	0.050	0.256	0.100	0.251	0.020	0.221	0.005	0.229	0.010	0.212	0.200	0.251		
1,1-Dichloropropene	0.002	0.287	0.050	0.286	0.100	0.306	0.020	0.282	0.005	0.279	0.010	0.284	0.200	0.332		
1,2,3-Trichlorobenzene	0.002	1.214	0.050	1.202	0.100	1.173	0.020	1.001	0.005	1.027	0.010	0.966	0.200	1.223		
1,2,3-Trichloropropane	0.002	0.249	0.050	0.228	0.100	0.219	0.020	0.196	0.005	0.220	0.010	0.216	0.200	0.216		
1,2,4-Trichlorobenzene	0.002	1.515	0.050	1.400	0.100	1.367	0.020	1.181	0.005	1.362	0.010	1.219	0.200	1.417		
1,2,4-Trimethylbenzene	0.002	2.089	0.050	2.638	0.100	2.701	0.020	2.108	0.005	2.004	0.010	2.111	0.200	2.723		
1,2-DCA	0.002	0.445	0.050	0.457	0.100	0.421	0.020	0.388	0.005	0.425	0.010	0.406	0.200	0.428		
1,2-DCB	0.002	1.851	0.050	1.783	0.100	1.692	0.020	1.518	0.005	1.679	0.010	1.575	0.200	1.721		
1,2-Dibromo-3-chloropropane	0.002	0.131	0.050	0.143	0.100	0.153	0.020	0.126	0.005	0.127	0.010	0.133	0.200	0.153		
1,2-EDB	0.002	0.316	0.050	0.380	0.100	0.356	0.020	0.308	0.005	0.325	0.010	0.321	0.200	0.353		
1,3,5-Trimethylbenzene	0.002	1.997	0.050	2.551	0.100	2.601	0.020	2.127	0.005	1.973	0.010	2.101	0.200	2.616		
1,3-DCB	0.002	1.859	0.050	1.848	0.100	1.765	0.020	1.606	0.005	1.811	0.010	1.695	0.200	1.761		
1,3-Dichloropropane	0.002	0.588	0.050	0.605	0.100	0.592	0.020	0.509	0.005	0.552	0.010	0.547	0.200	0.591		
1,4-DCB	0.002	2.176	0.050	1.900	0.100	1.765	0.020	1.643	0.005	1.658	0.010	1.697	0.200	1.799		
1-Chlorohexane	0.002	0.405	0.050	0.339	0.100	0.399	0.020	0.349	0.005	0.352	0.010	0.352	0.200	0.440		
2,2-Dichloropropane	0.002	0.357	0.050	0.318	0.100	0.334	0.020	0.306	0.005	0.322	0.010	0.319	0.200	0.350		
2-Chlorotoluene	0.002	2.335	0.050	2.470	0.100	2.443	0.020	2.101	0.005	2.118	0.010	2.157	0.200	2.434		
4-Chlorotoluene	0.002	2.371	0.050	2.683	0.100	2.621	0.020	2.221	0.005	2.295	0.010	2.329	0.200	2.625		
Acetone	0.002	0.363	0.050	0.081	0.100	0.075	0.020	0.106	0.005	0.208	0.010	0.134	0.200	0.071		
Benzene	0.002	1.199	0.050	1.186	0.100	1.178	0.020	1.018	0.005	1.086	0.010	1.037	0.200	1.187		
Bromobenzene	0.002	0.978	0.050	0.980	0.100	0.914	0.020	0.815	0.005	0.917	0.010	0.849	0.200	0.908		
Bromochloromethane	0.002	0.176	0.050	0.188	0.100	0.180	0.020	0.162	0.005	0.174	0.010	0.169	0.200	0.180		
Bromodichloromethane	0.002	0.414	0.050	0.444	0.100	0.418	0.020	0.367	0.005	0.395	0.010	0.378	0.200	0.420		
Bromomethane	0.002	0.259	0.050	0.211	0.100	0.236	0.020	0.232	0.005	0.235	0.010	0.269	0.200	0.268		
Carbon Tetrachloride	0.002	0.316	0.050	0.283	0.100	0.302	0.020	0.270	0.005	0.283	0.010	0.294	0.200	0.330		
Chloroethane	0.002	0.035	0.050	0.028	0.100	0.027	0.020	0.026	0.005	0.034	0.010	0.033	0.200	0.028		
Cis-1,2-DCE	0.002	0.368	0.050	0.358	0.100	0.342	0.020	0.293	0.005	0.340	0.010	0.318	0.200	0.348		
Cis-1,3-Dichloropropene	0.002	0.438	0.050	0.477	0.100	0.468	0.020	0.388	0.005	0.402	0.010	0.409	0.200	0.476		
Dibromochloromethane	0.002	0.377	0.050	0.408	0.100	0.407	0.020	0.344	0.005	0.371	0.010	0.374	0.200	0.414		
Dibromomethane	0.002	0.200	0.050	0.215	0.100	0.204	0.020	0.181	0.005	0.185	0.010	0.193	0.200	0.205		
Dichlorodifluoromethane	0.002	0.209	0.050	0.192	0.100		0.020	0.256	0.005	0.194	0.010	0.241	0.200			
Hexachlorobutadiene	0.002	0.738	0.050	0.617	0.100	0.831	0.020	0.608	0.005	0.651	0.010	0.609	0.200	0.685		
Isopropylbenzene	0.002	2.256	0.050	2.472	0.100	2.573	0.020	2.178	0.005	2.239	0.010	2.201	0.200	2.844		
m&p-Xylene	0.002	0.556	0.050	0.685	0.100	0.689	0.020	0.549	0.005	0.524	0.010	0.553	0.200	0.714		
Methylene chloride	0.002	0.525	0.050	0.357	0.100	0.339	0.020	0.304	0.005	0.391	0.010	0.349	0.200	0.326		
Methyl t-butyl ether (MTBE)	0.002	0.766	0.050	0.830	0.100	0.768	0.020	0.704	0.005	0.768	0.010	0.719	0.200	0.787		
MEK (2-Butanone)	0.002	0.164	0.050	0.098	0.100	0.098	0.020	0.104	0.005	0.133	0.010	0.125	0.200	0.098		
n-Butylbenzene	0.002	2.029	0.050	2.268	0.100	2.459	0.020	2.070	0.005	2.009	0.010	1.998	0.200	2.631		
n-Propylbenzene	0.002	3.035	0.050	3.265	0.100	3.400	0.020	2.851	0.005	2.820	0.010	2.871	0.200	3.494		
Naphthalene	0.002	1.731	0.050	2.117	0.100	2.332	0.020	1.644	0.005	1.701	0.010	1.592	0.200	2.499		
o-Xylene	0.002	0.556	0.050	0.682	0.100	0.688	0.020	0.547	0.005	0.527	0.010	0.552	0.200	0.718		
p-Isopropyltoluene	0.002	2.025	0.050	2.498	0.100	2.632	0.020	2.180	0.005	2.051	0.010	2.109	0.200	2.779		
Sec-Butylbenzene	0.002	2.459	0.050	2.806	0.100	2.961	0.020	2.583	0.005	2.434	0.010	2.489	0.200	3.144		
Styrene	0.002	0.907	0.050	1.245	0.100	1.283	0.020	0.964	0.005	0.883	0.010	0.946	0.200	1.326		
TCE	0.002	0.371	0.050	0.292	0.100	0.290	0.020	0.269	0.005	0.288	0.010	0.278	0.200	0.298		
Tert-Butylbenzene	0.002	1.627	0.050	1.905	0.100	2.009	0.020	1.720	0.005	1.696	0.010	1.699	0.200	2.146		
Tetrachloroethene	0.002	0.331	0.050	0.281	0.100	0.303	0.020	0.288	0.005	0.282	0.010	0.306	0.200	0.313		
Trans-1,2-DCE	0.002	0.304	0.050	0.274	0.100	0.274	0.020	0.254	0.005	0.254	0.010	0.264	0.200	0.279		
Trans-1,3-Dichloropropene	0.002	0.368	0.050	0.415	0.100	0.413	0.020	0.326	0.005	0.346	0.010	0.347	0.200	0.425		
Trichlorofluoromethane	0.002	0.362	0.050	0.304	0.100	0.342	0.020	0.360	0.005	0.316	0.010	0.339	0.200	0.371		
1,2-DCA-D4(S)	0.002	0.453	0.050	0.324	0.100	0.336	0.020	0.323	0.005	0.367	0.010	0.335	0.200	0.342		
4-Bromofluorobenzene(S)	0.002	0.623	0.050	0.499	0.100	0.540	0.020	0.492	0.005	0.518	0.010	0.481	0.200	0.573		
Dibromofluoromethane(S)	0.002	0.354	0.050	0.299	0.100	0.308	0.020	0.282	0.005	0.313	0.010	0.295	0.200	0.314		
Toluene-D8(S)	0.002	1.525	0.050	1.147	0.100	1.255	0.020	1.122	0.005	1.240	0.010	1.179	0.200	1.302		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B

AAB #: 120306AT-164603

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: Thor

Date of Initial Calibration: 7 Mar 12

Initial Calibration ID: T120307

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
1,1,1,2-Tetrachloroethane	7.4				
1,1,1-TCA	5.7				
1,1,2-TCA	8.8				
1,1-Dichloropropene	6.4				
1,2,3-Trichlorobenzene	10				
1,2,3-Trichloropropane	7.3				
1,2,4-Trichlorobenzene	8.6				
1,2,4-Trimethylbenzene	14				
1,2-DCA	6.0				
1,2-DCB	6.8				
1,2-Dibromo-3-chloropropane	8.3				
1,2-EDB	6.3				
1,3,5-Trimethylbenzene	13				
1,3-DCB	5.1				
1,3-Dichloropropane	6.0				
1,4-DCB	9.4				
1-Chlorohexane	10				
2,2-Dichloropropane	5.5				
2-Chlorotoluene	7.2				
4-Chlorotoluene	7.7				
Acetone	72		1.0000		
Benzene	6.9				
Bromobenzene	6.7				
Bromochloromethane	4.8				
Bromodichloromethane	6.6				
Bromomethane	8.0				
Carbon Tetrachloride	6.4				
Chloroethane	13				
Cis-1,2-DCE	7.5				
Cis-1,3-Dichloropropene	8.5				
Dibromochloromethane	6.6				
Dibromomethane	6.1				
Dichlorodifluoromethane	13				
Hexachlorobutadiene	7.7				
Isopropylbenzene	8.1				
m&p-Xylene	13				
Methylene chloride	20		0.9990		
Methyl t-butyl ether (MTBE)	5.8				
MEK (2-Butanone)	21		1.0000		
n-Butylbenzene	11				
n-Propylbenzene	9.0				
Naphthalene	19		0.9980		
o-Xylene	13				
p-Isopropyltoluene	13				
Sec-Butylbenzene	10				
Styrene	18		0.9990		
TCE	11				
Tert-Butylbenzene	11				
Tetrachloroethene	5.7				
Trans-1,2-DCE	6.3				
Trans-1,3-Dichloropropene	11				
Trichlorofluoromethane	7.0				
1,2-DCA-D4(S)	13				
4-Bromofluorobenzene(S)	21		0.9980		
Dibromofluoromethane(S)	7.4				
Toluene-D8(S)	11				

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B
AAB #: 120306AT-164608
Lab Name: APPL, Inc.
Contract #: *G012
Instrument ID: Thor
Date of Initial Calibration: 7 Mar 12
Initial Calibration ID: T120307
Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8
Chloromethane *	0.002	0.360	0.050	0.320	0.100	0.312	0.020	0.326	0.005	0.320	0.010	0.332	0.200	0.33		
Vinyl chloride #	0.002	0.254	0.050	0.200	0.100	0.194	0.020	0.204	0.005	0.222	0.010	0.219	0.200	0.211		
1,1-DCE #	0.002	0.217	0.050	0.197	0.100	0.207	0.020	0.207	0.005	0.202	0.010	0.207	0.200	0.221		
1,1-DCA *	0.002	0.479	0.050	0.500	0.100	0.490	0.020	0.437	0.005	0.485	0.010	0.465	0.200	0.493		
Chloroform #	0.002	0.573	0.050	0.565	0.100	0.532	0.020	0.477	0.005	0.525	0.010	0.489	0.200	0.531		
1,2-Dichloropropane #	0.002	0.345	0.050	0.353	0.100	0.335	0.020	0.294	0.005	0.313	0.010	0.304	0.200	0.336		
Toluene #	0.002	0.783	0.050	0.807	0.100	0.819	0.020	0.661	0.005	0.711	0.010	0.663	0.200	0.839		
Chlorobenzene *	0.002	1.231	0.050	1.164	0.100	1.145	0.020	0.985	0.005	1.068	0.010	1.085	0.200	1.155		
Ethylbenzene #	0.002	1.580	0.050	1.672	0.100	1.763	0.020	1.422	0.005	1.443	0.010	1.444	0.200	1.822		
Bromoform *	0.002	0.251	0.050	0.262	0.100	0.286	0.020	0.236	0.005	0.252	0.010	0.231	0.200	0.298		
1,1,2,2-Tetrachloroethane *	0.002	0.859	0.050	0.786	0.100	0.777	0.020	0.669	0.005	0.723	0.010	0.729	0.200	0.764		

* SPCCs # CCCs

Comments: _____

AFCEE FORM O-3A Page ____ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B

AAB #: 120306AT-164608

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: Thor

Date of Initial Calibration: 7 Mar 12

Initial Calibration ID: T120307

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
Chloromethane *	4.6				
1,1-DCA *	4.5				
Bromoform *	9.9				
Chlorobenzene *	7.2				
1,1,2,2-TCA *	7.9				
1,1-DCE #	3.9				
Chloroform #	6.7				
1,2-DCP #	6.8				
Toluene #	10.0				
Ethylbenzene #	10.5				
Vinyl chloride #	9.3				

* SPCCs # CCCs

Comments:

AFCEE FORM O-3A Page ____ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method: METHOD 8260

AAB #: 120229AC-164500

Lab Name: APPL, Inc.

Contract #: *0012

Instrument ID: Chico

Initial Calibration ID: C120224

2nd Source ID: 120224A LCS-1WC (SS)

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Expected	Found	%D	Q
1,1,1,2-Tetrachloroethane	10.0	9.85	1.5	
1,1,1-TCA	10.0	10.10	1.4	
1,1,2,2-Tetrachloroethane	10.0	9.09	9.1	
1,1,2-TCA	10.0	9.70	3.0	
1,1-DCA	10.0	10.40	3.8	
1,1-DCE	10.0	10.30	3.0	
1,1-Dichloropropene	10.0	10.50	5.1	
1,2,3-Trichlorobenzene	10.0	10.20	1.6	
1,2,3-Trichloropropane	10.0	9.14	8.6	
1,2,4-Trichlorobenzene	10.0	10.40	3.9	
1,2,4-Trimethylbenzene	10.0	10.30	2.8	
1,2-DCA	10.0	9.50	5.0	
1,2-DCB	10.0	10.30	2.6	
1,2-Dibromo-3-chloropropane	10.0	8.80	12	
1,2-Dichloropropane	10.0	10.30	3.3	
1,2-EDB	10.0	9.51	4.9	
1,3,5-Trimethylbenzene	10.0	10.10	1.1	
1,3-DCB	10.0	10.50	5.3	
1,3-Dichloropropane	10.0	9.70	3.0	
1,4-DCB	10.0	10.30	2.9	
1-Chlorohexane	10.0	10.20	2.4	
2,2-Dichloropropane	10.0	9.18	8.2	
2-Chlorotoluene	10.0	10.20	1.6	
4-Chlorotoluene	10.0	10.20	1.7	
Acetone	10.0	9.45	5.5	
Benzene	10.0	10.30	3.1	
Bromobenzene	10.0	10.40	4.4	
Bromochloroethane	10.0	10.40	3.6	
Bromodichloromethane	10.0	10.10	1.3	
Bromoform	10.0	9.08	9.2	
Bromomethane	10.0	10.30	3.3	
Carbon Tetrachloride	10.0	10.30	2.6	
Chlorobenzene	10.0	9.96	0.4	
Chloroethane	10.0	10.90	9.3	
Chloroform	10.0	10.20	2.3	
Chloromethane	10.0	9.22	7.8	
Cis-1,2-DCE	10.0	9.99	0.1	
Cis-1,3-Dichloropropene	10.0	9.40	6.0	
Dibromochloromethane	10.0	9.92	0.8	
Dibromomethane	10.0	10.40	3.9	
Dichlorodifluoromethane	10.0	11.40	14	
Ethylbenzene	10.0	10.00	0.1	
Hexachlorobutadiene	10.0	9.88	1.2	
Isopropylbenzene	10.0	10.60	6.1	
m&p-Xylene	20.0	19.50	2.3	
Methylene chloride	10.0	10.60	5.7	
Methyl t-butyl ether (MTBE)	10.0	9.89	1.1	
MEK (2-Butanone)	10.0	9.07	9.3	
MIBK (methyl isobutyl ketone)	10.0	9.02	9.8	
n-Butylbenzene	10.0	10.50	5.2	
n-Propylbenzene	10.0	10.60	6.0	
Naphthalene	10.0	9.81	1.9	
o-Xylene	10.0	10.10	1.1	
p-Isopropyltoluene	10.0	10.40	4.0	
Sec-Butylbenzene	10.0	10.40	3.7	
Styrene	10.0	10.30	2.7	
TCE	10.0	11.10	11	
Tert-Butylbenzene	10.0	10.20	2.0	
Tetrachloroethene	10.0	10.30	3.5	
Toluene	10.0	10.30	2.7	
Trans-1,2-DCE	10.0	10.20	2.1	
Trans-1,3-Dichloropropene	10.0	9.55	4.5	
Trichlorofluoromethane	10.0	10.50	5.0	
Vinyl chloride	10.0	10.10	1.1	

Comments:

AFCEE FORM O-4 Page __ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method: METHOD 8260B

AAB #: 120229AN-164497

Lab Name: APPL, Inc.

Contract #: *0012

Instrument ID: Neo

Initial Calibration ID: N120229

2nd Source ID: 120229A LCS-1Sa (SS)

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Expected	Found	%D	Q
1,1,1,2-Tetrachloroethane	0.050	0.055	8.4	
1,1,1-TCA	0.050	0.047	6.6	
1,1,2,2-Tetrachloroethane	0.050	0.055	9.0	
1,1,2-TCA	0.050	0.057	13.9	
1,1-DCA	0.050	0.053	4.3	
1,1-DCE	0.050	0.046	8.7	
1,1-Dichloropropene	0.050	0.047	6.0	
1,2,3-Trichlorobenzene	0.050	0.049	2.5	
1,2,3-Trichloropropane	0.050	0.052	4.9	
1,2,4-Trichlorobenzene	0.050	0.043	13.6	
1,2,4-Trimethylbenzene	0.050	0.050	1.0	
1,2-DCA	0.050	0.054	8.1	
1,2-DCB	0.050	0.051	2.9	
1,2-Dibromo-3-chloropropane	0.050	0.052	3.2	
1,2-Dichloropropane	0.050	0.054	7.0	
1,3-DCB	0.050	0.054	7.5	
1,3,5-Trimethylbenzene	0.050	0.049	2.7	
1,3-DCB	0.050	0.051	1.4	
1,3-Dichloropropane	0.050	0.055	9.3	
1,4-DCB	0.050	0.050	0.1	
1-Chlorohexane	0.050	0.044	12.8	
2,2-Dichloropropane	0.050	0.047	6.0	
2-Chlorotoluene	0.050	0.050	1.0	
4-Chlorotoluene	0.050	0.050	0.4	
Acetone	0.050	0.048	4.5	
Benzene	0.050	0.049	1.5	
Bromobenzene	0.050	0.054	8.3	
Bromochloromethane	0.050	0.051	2.3	
Bromodichloromethane	0.050	0.058	16.3	
Bromoform	0.050	0.056	12.7	
Bromomethane	0.050	0.049	2.2	
Carbon Tetrachloride	0.050	0.049	1.4	
Chlorobenzene	0.050	0.053	5.3	
Chloroethane	0.050	0.049	1.7	
Chloroform	0.050	0.054	8.2	
Chloromethane	0.050	0.045	11.1	
Cis-1,2-DCE	0.050	0.054	7.0	
Cis-1,3-Dichloropropene	0.050	0.058	15.7	
Dibromochloromethane	0.050	0.054	7.1	
Dibromomethane	0.050	0.055	10.9	
Dichlorodifluoromethane	0.050	0.040	20.3	
Ethylbenzene	0.050	0.049	2.6	
Hexachlorobutadiene	0.050	0.046	7.9	
Isopropylbenzene	0.050	0.048	4.2	
m&p-Xylene	0.100	0.098	1.9	
Methylene chloride	0.050	0.055	10.0	
Methyl t-butyl ether (MTBE)	0.050	0.059	18.3	
MEK (2-Butanone)	0.050	0.047	6.5	
MIBK (methyl isobutyl ketone)	0.050	0.049	1.7	
n-Butylbenzene	0.050	0.043	13.9	
n-Propylbenzene	0.050	0.048	3.2	
Naphthalene	0.050	0.048	4.4	
o-Xylene	0.050	0.052	4.2	
p-Isopropyltoluene	0.050	0.047	6.5	
Sec-Butylbenzene	0.050	0.046	8.6	
Styrene	0.050	0.051	2.4	
TCE	0.050	0.047	6.0	
Tert-Butylbenzene	0.050	0.047	5.4	
Tetrachloroethene	0.050	0.044	13.0	
Toluene	0.050	0.051	2.6	
Trans-1,2-DCE	0.050	0.049	1.5	
Trans-1,3-Dichloropropene	0.050	0.055	9.7	
Trichlorofluoromethane	0.050	0.044	12.7	
Vinyl chloride	0.050	0.044	12.4	

Comments:

AFCEE FORM O-4 Page ___ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method: METHOD 8260B

AAB #: 120305AN-164483

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: Neo

Initial Calibration ID: N120305

2nd Source ID: 120305A LCS-1SN (SS)

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Expected	Found	%D	Q
1,1,1,2-Tetrachloroethane	0.050	0.051	1.4	
1,1,1-TCA	0.050	0.058	17	
1,1,2,2-Tetrachloroethane	0.050	0.047	5.6	
1,1,2-TCA	0.050	0.052	4.3	
1,1-DCA	0.050	0.053	6.0	
1,1-DCE	0.050	0.056	12	
1,1-Dichloropropene	0.050	0.056	11	
1,2,3-Trichlorobenzene	0.050	0.052	4.5	
1,2,3-Trichloropropane	0.050	0.049	3.0	
1,2,4-Trichlorobenzene	0.050	0.044	13	
1,2,4-Trimethylbenzene	0.050	0.050	0.5	
1,2-DCA	0.050	0.049	1.6	
1,2-DCB	0.050	0.049	1.7	
1,2-Dibromo-3-chloropropane	0.050	0.052	3.1	
1,2-Dichloropropane	0.050	0.052	3.8	
1,2-DIB	0.050	0.049	2.6	
1,3,5-Trimethylbenzene	0.050	0.054	8.2	
1,3-DCB	0.050	0.048	4.3	
1,3-Dichloropropane	0.050	0.052	3.0	
1,4-DCB	0.050	0.046	7.6	
1-Chlorohexane	0.050	0.054	7.6	
2,2-Dichloropropane	0.050	0.053	6.7	
2-Chlorotoluene	0.050	0.054	7.2	
4-Chlorotoluene	0.050	0.046	9.1	
Acetone	0.050	0.047	5.1	
Benzene	0.050	0.052	3.3	
Bromobenzene	0.050	0.047	5.4	
Bromochloromethane	0.050	0.047	6.4	
Bromodichloromethane	0.050	0.052	4.6	
Bromoform	0.050	0.050	0.6	
Bromomethane	0.050	0.054	7.5	
Carbon Tetrachloride	0.050	0.058	16	
Chlorobenzene	0.050	0.051	1.1	
Chloroethane	0.050	0.059	17	
Chloroform	0.050	0.052	3.9	
Chloromethane	0.050	0.056	13	
Cis-1,2-DCE	0.050	0.054	8.0	
Cis-1,3-Dichloropropene	0.050	0.051	2.1	
Dibromochloromethane	0.050	0.052	4.3	
Dibromomethane	0.050	0.050	0.6	
Dichlorodifluoromethane	0.050	0.056	12	
Ethylbenzene	0.050	0.053	6.9	
Hexachlorobutadiene	0.050	0.054	8.6	
Isopropylbenzene	0.050	0.053	6.0	
m&p-Xylene	0.100	0.107	7.3	
Methylene chloride	0.050	0.052	4.6	
Methyl t-butyl ether (MTBE)	0.050	0.047	5.7	
MEK (2-Butanone)	0.050	0.049	1.5	
MIBK (methyl isobutyl ketone)	0.050	0.045	11	
n-Butylbenzene	0.050	0.051	1.7	
n-Propylbenzene	0.050	0.054	7.3	
Naphthalene	0.050	0.047	6.6	
o-Xylene	0.050	0.052	3.3	
p-Isopropyltoluene	0.050	0.049	1.1	
Sec-Butylbenzene	0.050	0.054	7.0	
Styrene	0.050	0.050	0.4	
TCE	0.050	0.054	6.9	
Tert-Butylbenzene	0.050	0.052	3.7	
Tetrachloroethene	0.050	0.055	9.2	
Toluene	0.050	0.053	6.5	
Trans-1,2-DCE	0.050	0.054	7.8	
Trans-1,3-Dichloropropene	0.050	0.051	1.0	
Trichlorofluoromethane	0.050	0.058	15	

Comments:

AFCEE FORM O-4 Page ___ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method: METHOD 8260B

AAB #: 120306AT-164608

Lab Name: APPL, Inc.

Contract #: 9G012

Instrument ID: Ther

Initial Calibration ID: T120307

2nd Source ID: 50ug/kg Vol Std 03-06-12 (SS)

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Expected	Found	%D	Q
1,1,1,2-Tetrachloroethane	0.050	0.055	9.2	
1,1,1-TCA	0.050	0.049	2.0	
1,1,2,2-Tetrachloroethane	0.050	0.056	12	
1,1,2-TCA	0.050	0.054	7.2	
1,1-DCA	0.050	0.052	3.1	
1,1-DCE	0.050	0.046	8.0	
1,1-Dichloropropene	0.050	0.048	4.1	
1,2,3-Trichlorobenzene	0.050	0.054	7.5	
1,2,3-Trichloropropane	0.050	0.054	7.5	
1,2,4-Trichlorobenzene	0.050	0.050	0.8	
1,2,4-Trimethylbenzene	0.050	0.056	11	
1,2-DCA	0.050	0.053	5.7	
1,2-DCB	0.050	0.052	4.7	
1,2-Dibromo-3-chloropropane	0.050	0.055	9.8	
1,2-Dichloropropane	0.050	0.052	4.7	
1,2-EDB	0.050	0.058	16	
1,3,5-Trimethylbenzene	0.050	0.054	8.8	
1,3-DCB	0.050	0.051	2.5	
1,3-Dichloropropane	0.050	0.056	13	
1,4-DCB	0.050	0.050	0.8	
1-Chlorobutane	0.050	0.046	8.6	
2,2-Dichloropropane	0.050	0.046	7.4	
2-Chlorotoluene	0.050	0.053	6.7	
4-Chlorotoluene	0.050	0.054	7.4	
Acetone	0.050	0.051	2.1	
Benzene	0.050	0.051	2.3	
Bromobenzene	0.050	0.053	6.6	
Bromochloromethane	0.050	0.054	8.0	
Bromodichloromethane	0.050	0.053	6.8	
Bromoform	0.050	0.056	11	
Bromomethane	0.050	0.044	11	
Carbon Tetrachloride	0.050	0.047	6.3	
Chlorobenzene	0.050	0.052	3.0	
Chloroethane	0.050	0.041	18	
Chloroform	0.050	0.052	3.7	
Chloromethane	0.050	0.044	12	
Cis-1,2-DCE	0.050	0.051	1.8	
Cis-1,3-Dichloropropene	0.050	0.053	6.5	
Dibromochloromethane	0.050	0.055	10	
Dibromomethane	0.050	0.055	11	
Dichlorodifluoromethane	0.050	0.040	20	
Ethylbenzene	0.050	0.053	5.5	
Hexachlorobutadiene	0.050	0.047	6.9	
Isopropylbenzene	0.050	0.052	3.2	
m&p-Xylene	0.100	0.110	9.7	
Methylene chloride	0.050	0.056	12	
Methyl t-butyl ether (MTBE)	0.050	0.056	12	
MEK (2-Butanone)	0.050	0.054	7.8	
n-Butylbenzene	0.050	0.050	0.6	
n-Propylbenzene	0.050	0.052	3.2	
Naphthalene	0.050	0.050	0.9	
o-Xylene	0.050	0.055	9.5	
p-Isopropyltoluene	0.050	0.052	4.3	
Sec-Butylbenzene	0.050	0.051	1.8	
Styrene	0.050	0.050	0.3	
TCE	0.050	0.047	6.7	
Tert-Butylbenzene	0.050	0.052	3.2	
Tetrachloroethene	0.050	0.048	4.6	
Toluene	0.050	0.052	3.0	
Trans-1,2-DCE	0.050	0.049	1.4	
Trans-1,3-Dichloropropene	0.050	0.056	11	
Trichlorofluoromethane	0.050	0.041	18	
Vinyl chloride	0.050	0.042	16	

Comments:

AFCEE FORM O-4 Page ___ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: METHOD 8260 AAB #: 120229AC-164500

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Chico Initial Calibration ID: CI120214

ICV ID: 10ug/L Vol Std 02-29-12 (CCV) CCV #1 ID: CCV #2 ID:

Analyte	ICV %D or % drift	CCV#1 %D or % drift	CCV#2 %D or % drift	Q
1,1,1,2-Tetrachloroethane	0.3			
1,1,1-TCA	2.6			
1,1,2-TCA	6.4			
1,1-Dichloropropene	0.4			
1,2,3-Trichlorobenzene	0.3			
1,2,3-Trichloropropane	8.8			
1,2,4-Trichlorobenzene	4.0			
1,2,4-Trimethylbenzene	4.7			
1,2-DCA	6.6			
1,2-DCB	5.4			
1,2-Dibromo-3-chloropropane	17.4			
1,2-EDB	6.1			
1,3,5-Trimethylbenzene	4.2			
1,3-DCB	4.5			
1,3-Dichloropropane	7.1			
1,4-DCB	5.0			
1-Chlorohexane	1.8			
2,2-Dichloropropane	3.8			
2-Chlorotoluene	1.8			
4-Chlorotoluene	1.8			
Acetone	1.8			
Benzene	2.0			
Bromobenzene	1.0			
Bromochloromethane	1.4			
Bromodichloromethane	1.4			
Bromomethane	3.5			
Carbon Tetrachloride	5.8			
Chloroethane	1.2			
Cis-1,2-DCE	2.6			
Cis-1,3-Dichloropropene	5.1			
Dibromochloromethane	3.1			
Dibromomethane	0.0			
Dichlorodifluoromethane	2.0			
Hexachlorobutadiene	0.8			
Isopropylbenzene	5.7			
m&p-Xylene	1.8			
Methylene chloride	5.0			
Methyl t-butyl ether (MTBE)	5.9			
MEK (2-Butanone)	18.8			
MIBK (methyl isobutyl ketone)	12.9			
n-Butylbenzene	6.7			
n-Propylbenzene	6.3			
Naphthalene	6.9			
o-Xylene	4.3			
p-Isopropyltoluene	5.3			
Sec-Butylbenzene	5.6			
Styrene	3.3			
TCE	5.8			
Tert-Butylbenzene	5.7			
Tetrachloroethene	2.3			
Trans-1,2-DCE	0.9			
Trans-1,3-Dichloropropene	3.1			
Trichlorofluoromethane	5.4			

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260 AAB #: 120229AC-164500

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Chico Initial Calibration ID: CI20224

ICV ID: 10ug/L Vol Std 02-29-12 (CCV) CCV #1 ID: CCV #2 ID:

Analyte	ICV		CCV #1		CCV #2		
	RF	% D	RF	% D	RF	% D	Q
Chloromethane *	0.260363	4.10426					
1,1-DCA *	1.41215	0.504949					
Bromoform *	0.413521	7.88864					
Chlorobenzene *	2.73002	1.87429					
1,1,2,2-Tetrachloroethane *	1.02925	5.24961					
1,1-DCE #	0.712781	1.73224					
Chloroform #	0.925469	1.60474					
1,2-Dichloropropane #	0.790816	1.07855					
Toluene #	3.36322	2.44064					
Ethylbenzene #	4.56683	0.945724					
Vinyl chloride #	0.232772	13.8712					

* SPCCs # CCCs

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: METHOD 8260B

AAB #: 130129A38-164193

Lab Name: APPL, Inc.

Contract #: SG013

Instrument ID: N60

Initial Calibration ID: NI20229

ICV ID: 50ug/kg Vol 8 ul 2-29-12 (CCV)

CCV #1 ID:

CCV #2 ID:

Analyte	ICV %D or % drift	CCV#1 %D or % drift	CCV#2 %D or % drift	Q
1,1,1,2-Tetrachloroethane	1.2			
1,1,1-TCA	8.5			
1,1,2-TCA	14.0			
1,1-Dichloropropene	4.3			
1,2,3-Trichlorobenzene	0.5			
1,2,3-Trichloropropane	4.9			
1,2,4-Trichlorobenzene	8.6			
1,2,4-Trimethylbenzene	4.0			
1,2-DCA	7.2			
1,2-DCB	0.6			
1,2-Dibromo-3-chloropropane	2.0			
1,2-EDB	3.3			
1,3,5-Trimethylbenzene	6.2			
1,3-DCB	1.5			
1,3-Dichloropropane	2.3			
1,4-DCB	1.7			
1-Chlorobutane	13.3			
2,2-Dichloropropane	9.4			
2-Chlorotoluene	8.3			
4-Chlorotoluene	4.5			
Acetone	6.7			
Benzene	0.1			
Bromobenzene	1.4			
Bromochloromethane	3.6			
Bromodichloromethane	9.8			
Bromomethane	8.8			
Carbon Tetrachloride	4.2			
Chloroethane	4.8			
Cis-1,2-DCE	4.8			
Cis-1,3-Dichloropropene	11.4			
Dibromochloromethane	1.5			
Dibromomethane	10.2			
Dichlorodifluoromethane	16.7			
Hexachlorobutadiene	6.1			
Isopropylbenzene	10.3			
m&p-Xylene	8.3			
Methylene chloride	6.3			
Methyl-t-butyl ether (MTBE)	12.6			
MEK (2-Butanone)	3.3			
MIBK (methyl isobutyl ketone)	2.9			
n-Butylbenzene	14.8			
n-Propylbenzene	7.1			
Naphthalene	1.9			
o-Xylene	4.2			
p-Isopropyltoluene	13.3			
Sec-Butylbenzene	9.8			
Styrene	6.3			
TCE	3.1			
Tert-Butylbenzene	9.0			
Tetrachloroethene	13.6			
Trans-1,2-DCE	0.0			
Trans-1,3-Dichloropropene	6.0			
Trichlorofluoromethane	4.5			

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B AAB #: 120229AN-164497

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Nco Initial Calibration ID: N120229

ICV ID: 50ug/kg Vol Std 2-29-12 (CCV) CCV #1 ID: CCV #2 ID:

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
Chloromethane *	2.24277	7.6652					
1,1-DCA *	2.13931	0.859522					
Bromoform *	0.760029	7.33261					
Chlorobenzene *	2.97318	3.90073					
1,1,2,2-Tetrachloroethane *	3.05848	9.02989					
1,1-DCE #	0.900934	7.58433					
Chloroform #	1.9056	6.78645					
1,2-Dichloropropane #	1.21463	7.44712					
Toluene #	4.02225	0.171048					
Ethylbenzene #	5.58668	10.2019					
Vinyl chloride #	0.413804	15.9057					

* SPCCs # CCCs

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: METHOD 8260B — AAB #: 120305AN-164483

Lab Name: APPL, Inc. — Contract #: *G012

Instrument ID: Neo — Initial Calibration ID: N120305

ICV ID: 50ug/kg Vol Std 01-05-12 (CCV) — CCV #1 ID: _____ — CCV #2 ID: _____

Analyte	ICV %D or % drift	CCV#1 %D or % drift	CCV#2 %D or % drift	Q
1,1,1,2-Tetrachloroethane	3.2			
1,1,1-TCA	7.6			
1,1,2-TCA	0.7			
1,1-Dichloropropene	6.8			
1,2,3-Trichlorobenzene	8.6			
1,2,3-Trichloropropane	0.6			
1,2,4-Trichlorobenzene	3.2			
1,2,4-Trimethylbenzene	5.5			
1,2-DCA	1.4			
1,2-DCB	2.2			
1,2-Dibromo-3-chloropropane	8.9			
1,2-EDB	7.1			
1,3,5-Trimethylbenzene	3.7			
1,3-DCB	2.0			
1,3-Dichloropropane	7.0			
1,4-DCB	6.2			
1-Chlorohexane	1.0			
2,2-Dichloropropane	2.4			
2-Chlorotoluene	3.9			
4-Chlorotoluene	1.5			
Acetone	0.7			
Benzene	0.3			
Bromobenzene	2.2			
Bromochloromethane	0.0			
Bromodichloromethane	0.6			
Bromomethane	1.7			
Carbon Tetrachloride	10			
Chloroethane	12			
Cis-1,2-DCE	2.4			
Cis-1,3-Dichloropropene	1.9			
Dibromochloromethane	4.8			
Dibromomethane	5.0			
Dichlorodifluoromethane	12			
Hexachlorobutadiene	11			
Isopropylbenzene	8.6			
m&p-Xylene	1.4			
Methylene chloride	4.5			
Methyl t-butyl ether (MTBE)	5.3			
MEK (2-Butanone)	5.2			
MIBK (methyl isobutyl ketone)	6.5			
n-Butylbenzene	7.7			
n-Propylbenzene	6.7			
Naphthalene	0.9			
o-Xylene	1.0			
p-Isopropyltoluene	7.5			
Sec-Butylbenzene	9.7			
Styrene	0.4			
TCE	4.0			
Tert-Butylbenzene	7.7			
Tetrachloroethene	3.9			
Trans-1,2-DCE	3.9			
Trans-1,3-Dichloropropene	1.5			
Trichlorofluoromethane	19			

Comments: _____

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B AAB #: 120305AN-164483

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Neo Initial Calibration ID: NI120305

ICV ID: 50ug/kg Vol Std 03-05-12 (CCV) CCV #1 ID: CCV #2 ID:

Analyte	ICV		CCV #1		CCV #2		
	RF	% D	RF	% D	RF	% D	Q
Chloromethane *	1.82081	11.8646					
1,1-DCA *	1.96925	1.76308					
Bromoform *	0.789957	1.29138					
Chlorobenzene *	3.10623	1.15915					
1,1,2,2-Tetrachloroethane *	3.35742	1.35243					
1,1-DCE #	0.731614	7.68638					
Chloroform #	1.66262	2.29121					
1,2-Dichloropropane #	1.1203	0.177192					
Toluene #	3.76178	6.81454					
Ethylbenzene #	5.90671	3.15191					
Vinyl chloride #	0.425635	14.0547					

* SPCCs # CCCs

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: METHOD 8260B — AAB #: 120306AT-164608

Lab Name: APPL, Inc. — Contract #: 'G012

Instrument ID: Thor — Initial Calibration ID: T120307

ICV ID: 50ug/kg Vol Std 09-06-12 (CCV) — CCV #1 ID: _____ — CCV #2 ID: _____

Analyte	ICV %D or % drift	CCV#1 %D or % drift	CCV#2 %D or % drift	Q
1,1,1,2-Tetrachloroethane	9.2			
1,1,1-TCA	2.0			
1,1,2-TCA	7.2			
1,1-Dichloropropene	4.1			
1,2,3-Trichlorobenzene	7.5			
1,2,3-Trichloropropane	7.5			
1,2,4-Trichlorobenzene	0.8			
1,2,4-Trimethylbenzene	11			
1,2-DCA	5.7			
1,2-DCB	4.7			
1,2-Dibromo-3-chloropropane	9.8			
1,2-EDB	16			
1,3,5-Trimethylbenzene	8.8			
1,3-DCB	2.5			
1,3-Dichloropropane	13			
1,4-DCB	0.8			
1-Chlorohexane	8.6			
2,2-Dichloropropane	7.4			
2-Chlorotoluene	6.7			
4-Chlorotoluene	7.4			
Acetone	2.1			
Benzene	2.3			
Bromobenzene	6.6			
Bromochloromethane	8.0			
Bromodichloromethane	6.8			
Bromomethane	11			
Carbon Tetrachloride	6.3			
Chloroethane	18			
Cis-1,2-DCE	1.8			
Cis-1,3-Dichloropropene	6.5			
Dibromochloromethane	10			
Dibromomethane	11			
Dichlorodifluoromethane	20			
Hexachlorobutadiene	6.9			
Isopropylbenzene	3.2			
m&p-Xylene	9.7			
Methylene chloride	12			
Methyl t-butyl ether (MTBE)	12			
MEK (2-Butanone)	7.8			
n-Butylbenzene	0.6			
n-Propylbenzene	3.2			
Naphthalene	0.9			
o-Xylene	9.5			
p-Isopropyltoluene	4.3			
Sec-Butylbenzene	1.8			
Styrene	0.3			
TCE	6.7			
Tert-Butylbenzene	3.2			
Tetrachloroethene	4.6			
Trans-1,2-DCE	1.4			
Trans-1,3-Dichloropropene	11			
Trichlorofluoromethane	18			

Comments: _____

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B AAB #: 120306AT-164608

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Thor Initial Calibration ID: T120307

ICV ID: 50ug/kg Vol Std 03-06-12 (CCV) CCV #1 ID: CCV #2 ID:

Analyte	ICV		CCV #1		CCV #2		
	RF	% D	RF	% D	RF	% D	Q
Chloromethane *	0.289435	11.9087					
1,1-DCA *	0.493533	3.14889					
Bromoform *	0.292088	11.3123					
Chlorobenzene *	1.15241	3.00236					
1,1,2,2-Tetrachloroethane *	0.846779	11.7093					
1,1-DCB #	0.191646	8.0112					
Chloroform #	0.547054	3.72444					
1,2-Dichloropropane #	0.341398	4.74784					
Toluene #	0.777133	2.99248					
Ethylbenzene #	1.67285	5.52048					
Vinyl chloride #	0.179673	16.3532					

* SPCCs # CCCs

Comments:

AFCEE FORM O-5A Page ___ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 6
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Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Concentration Units: ug/L
Initial Calibration ID: C120224

AAB #: 120229AC-164500
Contract #: *G012
Method Blank ID: 120229AC-BLK-1WC ARS 12/12

Analyte	Method Blank	RL	Q
1,1,1,2-TETRACHLOROETHANE	< RL	0.5	U
1,1,1-TCA	< RL	0.8	U
1,1,2,2-TETRACHLOROETHANE	< RL	0.4	U
1,1,2-TCA	< RL	1.0	U
1,1-DCA	< RL	0.4	U
1,1-DCE	< RL	1.2	U
1,1-DICHLOROPROPENE	< RL	1.0	U
1,2,3-TRICHLOROBENZENE	< RL	0.3	U
1,2,3-TRICHLOROPROPANE	< RL	3.2	U
1,2,4-TRICHLOROBENZENE	< RL	0.4	U
1,2,4-TRIMETHYLBENZENE	< RL	1.3	U
1,2-DCA	< RL	0.6	U
1,2-DCB	< RL	0.3	U
1,2-DIBROMO-3-CHLOROPROPANE	< RL	2.6	U
1,2-DICHLOROPROPANE	< RL	0.4	U
1,2-EDB	< RL	0.6	U
1,3,5-TRIMETHYLBENZENE	< RL	0.5	U
1,3-DCB	< RL	1.2	U
1,3-DICHLOROPROPANE	< RL	0.4	U
1,4-DCB	< RL	0.3	U
1-CHLOROHEXANE	< RL	0.5	U
2,2-DICHLOROPROPANE	< RL	3.5	U
2-CHLOROTOLUENE	< RL	0.4	U
4-CHLOROTOLUENE	< RL	0.6	U
BENZENE	< RL	0.4	U
BROMOBENZENE	< RL	0.3	U
BROMOCHLOROMETHANE	< RL	0.4	U
BROMODICHLOROMETHANE	< RL	0.8	U
BROMOFORM	< RL	1.2	U
BROMOMETHANE	< RL	1.1	U
CARBON TETRACHLORIDE	< RL	2.1	U
CHLOROBENZENE	< RL	0.4	U
CHLOROETHANE	< RL	1.0	U
CHLOROFORM	< RL	0.3	U
CHLOROMETHANE	< RL	1.3	U
CIS-1,2-DCE	< RL	1.2	U
CIS-1,3-DICHLOROPROPENE	< RL	1.0	U
DIBROMOCHLOROMETHANE	< RL	0.5	U
DIBROMOMETHANE	< RL	2.4	U
DICHLORODIFLUOROMETHANE	< RL	1.0	U
ETHYLBENZENE	< RL	0.6	U

Comments: ARF: 67072, Sample: AY55845

AFCEE
ORGANIC ANALYSES DATA SHEET 6
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Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Concentration Units: ug/L
Initial Calibration ID: C120224

AAB #: 120229AC-164500
Contract #: *G012
Method Blank ID: 120229AC-BLK- 1WC ARC 3/12/12

Analyte	Method Blank	RL	Q
HEXACHLOROBUTADIENE	< RL	1.1	U
ISOPROPYLBENZENE	< RL	0.5	U
M&P-XYLENE	< RL	0.5	U
METHYLENE CHLORIDE	< RL	1.0	U
N-BUTYLBENZENE	< RL	1.1	U
N-PROPYLBENZENE	< RL	0.4	U
NAPHTHALENE	< RL	0.4	U
O-XYLENE	< RL	1.1	U
P-ISOPROPYLTOLUENE	< RL	1.2	U
SEC-BUTYLBENZENE	< RL	1.3	U
STYRENE	< RL	0.4	U
TCE	< RL	1.0	U
TERT-BUTYLBENZENE	< RL	1.4	U
TETRACHLOROETHENE	< RL	1.4	U
TOLUENE	< RL	1.1	U
TRANS-1,2-DCE	< RL	0.6	U
TRANS-1,3-DICHLOROPROPENE	< RL	1.0	U
TRICHLOROFLUOROMETHANE	< RL	0.8	U
VINYL CHLORIDE	< RL	1.1	U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHAN	91.3	69-139	
SURROGATE: 4-BROMOFLUOROBE	98.2	75-125	
SURROGATE: DIBROMOFLUOROME	93.5	75-125	
SURROGATE: TOLUENE-D8 (S)	97.5	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments: ARF: 67072, Sample: AY55845

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: N120229

AAB #: 120229AN-164497
Contract #: *G012
Method Blank ID: 120229AN-BLK-15N AES 3/14/12

Analyte	Method Blank	RL	Q
1,1,1,2-TETRACHLOROETHANE	< RL	0.003	U
1,1,1-TCA	< RL	0.004	U
1,1,2,2-TETRACHLOROETHANE	< RL	0.002	U
1,1,2-TCA	< RL	0.005	U
1,1-DCA	< RL	0.002	U
1,1-DCE	< RL	0.006	U
1,1-DICHLOROPROPENE	< RL	0.005	U
1,2,3-TRICHLOROBENZENE	< RL	0.004	U
1,2,3-TRICHLOROPROPANE	< RL	0.020	U
1,2,4-TRICHLOROBENZENE	< RL	0.004	U
1,2,4-TRIMETHYLBENZENE	< RL	0.007	U
1,2-DCA	< RL	0.003	U
1,2-DCB	< RL	0.002	U
1,2-DIBROMO-3-CHLOROPROPANE	< RL	0.010	U
1,2-DICHLOROPROPANE	< RL	0.002	U
1,2-EDB	< RL	0.003	U
1,3,5-TRIMETHYLBENZENE	< RL	0.003	U
1,3-DCB	< RL	0.006	U
1,3-DICHLOROPROPANE	< RL	0.002	U
1,4-DCB	< RL	0.002	U
1-CHLOROHEXANE	< RL	0.003	U
2,2-DICHLOROPROPANE	< RL	0.020	U
2-CHLOROTOLUENE	< RL	0.002	U
4-CHLOROTOLUENE	< RL	0.003	U
BENZENE	< RL	0.002	U
BROMOBENZENE	< RL	0.002	U
BROMOCHLOROMETHANE	< RL	0.002	U
BROMODICHLOROMETHANE	< RL	0.004	U
BROMOFORM	< RL	0.006	U
BROMOMETHANE	< RL	0.005	U
CARBON TETRACHLORIDE	< RL	0.010	U
CHLOROBENZENE	< RL	0.002	U
CHLOROETHANE	< RL	0.005	U
CHLOROFORM	< RL	0.002	U
CHLOROMETHANE	< RL	0.007	U
CIS-1,2-DCE	< RL	0.006	U
CIS-1,3-DICHLOROPROPENE	< RL	0.005	U
DIBROMOCHLOROMETHANE	< RL	0.003	U
DIBROMOMETHANE	< RL	0.010	U
DICHLORODIFLUOROMETHANE	< RL	0.005	U
ETHYLBENZENE	< RL	0.003	U

Comments: ARF: 67072, Sample: AY55848

AFCEE
ORGANIC ANALYSES DATA SHEET 6
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Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: N120229

AAB #: 120229AN-164497
Contract #: *G012
AMS 3/12/12
Method Blank ID: 120229A~~N~~-BLK-1SN

Analyte	Method Blank	RL	Q
HEXACHLOROBUTADIENE	< RL	0.005	U
ISOPROPYLBENZENE	< RL	0.008	U
M&P-XYLENE	< RL	0.007	U
METHYLENE CHLORIDE	< RL	0.005	U
N-BUTYLBENZENE	< RL	0.005	U
N-PROPYLBENZENE	< RL	0.002	U
NAPHTHALENE	< RL	0.020	U
O-XYLENE	< RL	0.005	U
P-ISOPROPYLTOLUENE	< RL	0.006	U
SEC-BUTYLBENZENE	< RL	0.007	U
STYRENE	< RL	0.002	U
TCE	< RL	0.010	U
TERT-BUTYLBENZENE	< RL	0.007	U
TETRACHLOROETHENE	< RL	0.007	U
TOLUENE	< RL	0.005	U
TRANS-1,2-DCE	< RL	0.003	U
TRANS-1,3-DICHLOROPROPENE	< RL	0.005	U
TRICHLOROFLUOROMETHANE	< RL	0.004	U
VINYL CHLORIDE	< RL	0.009	U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHAN	102	52-149	
SURROGATE: 4-BROMOFLUOROBE	102	65-135	
SURROGATE: DIBROMOFLUOROME	107	65-135	
SURROGATE: TOLUENE-D8 (S)	102	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments: ARF: 67072, Sample: AY55848

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: N120305

AAB #: 120305AN-164483
Contract #: *G012
Method Blank ID: 120305AN-BLK-15N

Analyte	Method Blank	RL	Q
1,1,1,2-TETRACHLOROETHANE	< RL	0.003	U
1,1,1-TCA	< RL	0.004	U
1,1,2,2-TETRACHLOROETHANE	< RL	0.002	U
1,1,2-TCA	< RL	0.005	U
1,1-DCA	< RL	0.002	U
1,1-DCE	< RL	0.006	U
1,1-DICHLOROPROPENE	< RL	0.005	U
1,2,3-TRICHLOROBENZENE	< RL	0.004	U
1,2,3-TRICHLOROPROPANE	< RL	0.020	U
1,2,4-TRICHLOROBENZENE	< RL	0.004	U
1,2,4-TRIMETHYLBENZENE	< RL	0.007	U
1,2-DCA	< RL	0.003	U
1,2-DCB	< RL	0.002	U
1,2-DIBROMO-3-CHLOROPROPANE	< RL	0.010	U
1,2-DICHLOROPROPANE	< RL	0.002	U
1,2-EDB	< RL	0.003	U
1,3,5-TRIMETHYLBENZENE	< RL	0.003	U
1,3-DCB	< RL	0.006	U
1,3-DICHLOROPROPANE	< RL	0.002	U
1,4-DCB	< RL	0.002	U
1-CHLOROHEXANE	< RL	0.003	U
2,2-DICHLOROPROPANE	< RL	0.020	U
2-CHLOROTOLUENE	< RL	0.002	U
4-CHLOROTOLUENE	< RL	0.003	U
BENZENE	< RL	0.002	U
BROMOBENZENE	< RL	0.002	U
BROMOCHLOROMETHANE	< RL	0.002	U
BROMODICHLOROMETHANE	< RL	0.004	U
BROMOFORM	< RL	0.006	U
BROMOMETHANE	< RL	0.005	U
CARBON TETRACHLORIDE	< RL	0.010	U
CHLOROBENZENE	< RL	0.002	U
CHLOROETHANE	< RL	0.005	U
CHLOROFORM	< RL	0.002	U
CHLOROMETHANE	< RL	0.007	U
CIS-1,2-DCE	< RL	0.006	U
CIS-1,3-DICHLOROPROPENE	< RL	0.005	U
DIBROMOCHLOROMETHANE	< RL	0.003	U
DIBROMOMETHANE	< RL	0.010	U
DICHLORODIFLUOROMETHANE	< RL	0.005	U
ETHYLBENZENE	< RL	0.003	U

Comments: ARF: 67072, Sample: AY55846

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: N120305

AAB #: 120305AN-164483
Contract #: *G012 hw 3/12/12
Method Blank ID: 120305AN-BLK-1SN

Analyte	Method Blank	RL	Q
HEXACHLOROBUTADIENE	< RL	0.005	U
ISOPROPYLBENZENE	< RL	0.008	U
M&P-XYLENE	< RL	0.007	U
METHYLENE CHLORIDE	< RL	0.005	U
N-BUTYLBENZENE	< RL	0.005	U
N-PROPYLBENZENE	< RL	0.002	U
NAPHTHALENE	< RL	0.020	U
O-XYLENE	< RL	0.005	U
P-ISOPROPYLTOLUENE	< RL	0.006	U
SEC-BUTYLBENZENE	< RL	0.007	U
STYRENE	< RL	0.002	U
TCE	< RL	0.010	U
TERT-BUTYLBENZENE	< RL	0.007	U
TETRACHLOROETHENE	< RL	0.007	U
TOLUENE	< RL	0.005	U
TRANS-1,2-DCE	< RL	0.003	U
TRANS-1,3-DICHLOROPROPENE	< RL	0.005	U
TRICHLOROFLUOROMETHANE	< RL	0.004	U
VINYL CHLORIDE	< RL	0.009	U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHAN	91.2	52-149	
SURROGATE: 4-BROMOFLUOROBE	103	65-135	
SURROGATE: DIBROMOFLUOROME	91.1	65-135	
SURROGATE: TOLUENE-D8 (S)	107	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments: ARF: 67072, Sample: AY55846

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: T120307

AAB #: 120306AT-164608
Contract #: *G012
Method Blank ID: 120306AT-BLK-1ST 4w3/12/17

Analyte	Method Blank	RL	Q
1,1,1,2-TETRACHLOROETHANE	< RL	0.003	U
1,1,1-TCA	< RL	0.004	U
1,1,2,2-TETRACHLOROETHANE	< RL	0.002	U
1,1,2-TCA	< RL	0.005	U
1,1-DCA	< RL	0.002	U
1,1-DCE	< RL	0.006	U
1,1-DICHLOROPROPENE	< RL	0.005	U
1,2,3-TRICHLOROBENZENE	< RL	0.004	U
1,2,3-TRICHLOROPROPANE	< RL	0.020	U
1,2,4-TRICHLOROBENZENE	< RL	0.004	U
1,2,4-TRIMETHYLBENZENE	< RL	0.007	U
1,2-DCA	< RL	0.003	U
1,2-DCB	< RL	0.002	U
1,2-DIBROMO-3-CHLOROPROPANE	< RL	0.010	U
1,2-DICHLOROPROPANE	< RL	0.002	U
1,2-EDB	< RL	0.003	U
1,3,5-TRIMETHYLBENZENE	< RL	0.003	U
1,3-DCB	< RL	0.006	U
1,3-DICHLOROPROPANE	< RL	0.002	U
1,4-DCB	< RL	0.002	U
1-CHLOROHEXANE	< RL	0.003	U
2,2-DICHLOROPROPANE	< RL	0.020	U
2-CHLOROTOLUENE	< RL	0.002	U
4-CHLOROTOLUENE	< RL	0.003	U
BENZENE	< RL	0.002	U
BROMOBENZENE	< RL	0.002	U
BROMOCHLOROMETHANE	< RL	0.002	U
BROMODICHLOROMETHANE	< RL	0.004	U
BROMOFORM	< RL	0.006	U
BROMOMETHANE	< RL	0.005	U
CARBON TETRACHLORIDE	< RL	0.010	U
CHLOROBENZENE	< RL	0.002	U
CHLOROETHANE	< RL	0.005	U
CHLOROFORM	< RL	0.002	U
CHLOROMETHANE	< RL	0.007	U
CIS-1,2-DCE	< RL	0.006	U
CIS-1,3-DICHLOROPROPENE	< RL	0.005	U
DIBROMOCHLOROMETHANE	< RL	0.003	U
DIBROMOMETHANE	< RL	0.010	U
DICHLORODIFLUOROMETHANE	< RL	0.005	U
ETHYLBENZENE	< RL	0.003	U

Comments: ARF: 67072, Sample: AY55855

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: T120307

AAB #: 120306AT-164608
Contract #: *G012
Method Blank ID: 120306AT-BLK-1ST

Analyte	Method Blank	RL	Q
HEXACHLOROBUTADIENE	< RL	0.005	U
ISOPROPYLBENZENE	< RL	0.008	U
M&P-XYLENE	< RL	0.007	U
METHYLENE CHLORIDE	< RL	0.005	U
N-BUTYLBENZENE	< RL	0.005	U
N-PROPYLBENZENE	< RL	0.002	U
NAPHTHALENE	< RL	0.020	U
O-XYLENE	< RL	0.005	U
P-ISOPROPYLTOLUENE	< RL	0.006	U
SEC-BUTYLBENZENE	< RL	0.007	U
STYRENE	< RL	0.002	U
TCE	< RL	0.010	U
TERT-BUTYLBENZENE	< RL	0.007	U
TETRACHLOROETHENE	< RL	0.007	U
TOLUENE	< RL	0.005	U
TRANS-1,2-DCE	< RL	0.003	U
TRANS-1,3-DICHLOROPROPENE	< RL	0.005	U
TRICHLOROFLUOROMETHANE	< RL	0.004	U
VINYL CHLORIDE	< RL	0.009	U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHAN	99.2	52-149	
SURROGATE: 4-BROMOFLUOROBE	90.1	65-135	
SURROGATE: DIBROMOFLUOROME	101	65-135	
SURROGATE: TOLUENE-D8 (S)	100	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments: ARF: 67072, Sample: AY55855

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8260B
AAB #: 120229AC-164500
Lab Name: APPL, Inc
Contract #: *G012
LCS ID: 120229AC LCS-2WC
Initial Calibration ID: C120224
Concentration Units: ug/L

Analyte	Expected	Found	% R	Control Limits	Q
1,1,1,2-TETRACHLOROETHANE	10.00	9.32	93.2	72-125	
1,1,1-TCA	10.00	9.98	99.8	75-125	
1,1,2,2-TETRACHLOROETHANE	10.00	8.82	88.2	74-125	
1,1,2-TCA	10.00	9.16	91.6	75-127	
1,1-DCA	10.00	9.80	98.0	75-125	
1,1-DCE	10.00	9.57	95.7	75-125	
1,1-DICHLOROPROPENE	10.00	9.69	96.9	75-125	
1,2,3-TRICHLOROBENZENE	10.00	9.76	97.6	75-137	
1,2,3-TRICHLOROPROPANE	10.00	8.30	83.0	75-125	
1,2,4-TRICHLOROBENZENE	10.00	10.13	101	75-135	
1,2,4-TRIMETHYLBENZENE	10.00	9.77	97.7	75-125	
1,2-DCA	10.00	9.17	91.7	68-127	
1,2-DCB	10.00	9.77	97.7	75-125	
1,2-DIBROMO-3-CHLOROPROPANE	10.00	8.06	80.6	59-125	
1,2-DICHLOROPROPANE	10.00	9.87	98.7	70-125	
1,2-EDB	10.00	9.04	90.4	75-125	
1,3,5-TRIMETHYLBENZENE	10.00	9.99	99.9	72-125	
1,3-DCB	10.00	9.96	99.6	75-125	
1,3-DICHLOROPROPANE	10.00	8.87	88.7	75-125	
1,4-DCB	10.00	9.67	96.7	75-125	
1-CHLOROHEXANE	10.00	9.81	98.1	75-125	
2,2-DICHLOROPROPANE	10.00	10.04	100	75-125	
2-CHLOROTOLUENE	10.00	9.74	97.4	73-125	
4-CHLOROTOLUENE	10.00	9.36	93.6	74-125	
BENZENE	10.00	9.82	98.2	75-125	
BROMOBENZENE	10.00	9.69	96.9	75-125	
BROMOCHLOROMETHANE	10.00	9.89	98.9	73-125	
BROMODICHLOROMETHANE	10.00	9.80	98.0	75-125	
BROMOFORM	10.00	8.60	86.0	75-125	
BROMOMETHANE	10.00	9.60	96.0	72-125	
CARBON TETRACHLORIDE	10.00	10.17	102	62-125	
CHLOROBENZENE	10.00	9.66	96.6	75-125	
CHLOROETHANE	10.00	10.43	104	65-125	
CHLOROFORM	10.00	9.61	96.1	74-125	
CHLOROMETHANE	10.00	10.92	109	75-125	
CIS-1,2-DCE	10.00	9.91	99.1	75-125	
CIS-1,3-DICHLOROPROPENE	10.00	9.53	95.3	74-125	
DIBROMOCHLOROMETHANE	10.00	8.97	89.7	73-125	
DIBROMOMETHANE	10.00	10.19	102	69-127	
DICHLORODIFLUOROMETHANE	10.00	11.08	111	72-125	

Comments: ARF: 67072, QC Sample ID: AY55845

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
LCS ID: 120229AC LCS-1WC 3/19/12
Concentration Units: ug/L

AAB #: 120229AC-164500
Contract #: *G012
Initial Calibration ID: C120224

Analyte	Expected	Found	% R	Control Limits	Q
ETHYLBENZENE	10.00	9.65	96.5	75-125	
HEXACHLOROBUTADIENE	10.00	9.32	93.2	75-125	
ISOPROPYLBENZENE	10.00	9.92	99.2	75-125	
M&P-XYLENE	20.00	18.99	94.9	75-125	
METHYLENE CHLORIDE	10.00	9.89	98.9	75-125	
N-BUTYLBENZENE	10.00	9.98	99.8	75-125	
N-PROPYLBENZENE	10.00	9.88	98.8	75-125	
NAPHTHALENE	10.00	8.86	88.6	75-125	
O-XYLENE	10.00	9.92	99.2	75-125	
P-ISOPROPYLTOLUENE	10.00	10.07	101	75-125	
SEC-BUTYLBENZENE	10.00	9.96	99.6	75-125	
STYRENE	10.00	9.92	99.2	75-125	
TCE	10.00	10.40	104	71-125	
TERT-BUTYLBENZENE	10.00	10.06	101	75-125	
TETRACHLOROETHENE	10.00	9.75	97.5	71-125	
TOLUENE	10.00	10.42	104	74-125	
TRANS-1,2-DCE	10.00	9.75	97.5	75-125	
TRANS-1,3-DICHLOROPROPENE	10.00	9.52	95.2	66-125	
TRICHLOROFLUOROMETHANE	10.00	11.10	111	67-125	
VINYL CHLORIDE	10.00	11.02	110	46-134	

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	98.1	69-139	
SURROGATE: 4-BROMOFLUOROBENZE	96.2	75-125	
SURROGATE: DIBROMOFLUOROMETH	102	75-125	
SURROGATE: TOLUENE-D8 (S)	94.6	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments: ARF: 67072, QC Sample ID: AY55845

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
LCS ID: 120229AN LCS-15N (55)
Concentration Units: mg/kg

AAB #: 120229AN-164497
Contract #: *G012
Initial Calibration ID: N120229

Analyte	Expected	Found	% R	Control Limits	Q
1,1,1,2-TETRACHLOROETHANE	0.0500	0.0542	108	62-125	
1,1,1-TCA	0.0500	0.0467	93.4	65-135	
1,1,2,2-TETRACHLOROETHANE	0.0500	0.0545	109	64-135	
1,1,2-TCA	0.0500	0.0569	114	65-135	
1,1-DCA	0.0500	0.0522	104	62-135	
1,1-DCE	0.0500	0.0457	91.4	65-135	
1,1-DICHLOROPROPENE	0.0500	0.0470	94.0	65-135	
1,2,3-TRICHLOROBENZENE	0.0500	0.0488	97.6	65-147	
1,2,3-TRICHLOROPROPANE	0.050	0.052	104	65-135	
1,2,4-TRICHLOROBENZENE	0.0500	0.0432	86.4	65-145	
1,2,4-TRIMETHYLBENZENE	0.0500	0.0495	99.0	65-135	
1,2-DCA	0.0500	0.0540	108	58-137	
1,2-DCB	0.0500	0.0514	103	65-135	
1,2-DIBROMO-3-CHLOROPROPANE	0.050	0.052	104	49-135	
1,2-DICHLOROPROPANE	0.0500	0.0535	107	60-135	
1,2-EDB	0.0500	0.0537	107	65-135	
1,3,5-TRIMETHYLBENZENE	0.0500	0.0487	97.4	62-135	
1,3-DCB	0.0500	0.0507	101	65-135	
1,3-DICHLOROPROPANE	0.0500	0.0547	109	65-135	
1,4-DCB	0.0500	0.0501	100	65-135	
1-CHLOROHEXANE	0.0500	0.0436	87.2	65-135	
2,2-DICHLOROPROPANE	0.050	0.047	94.0	65-135	
2-CHLOROTOLUENE	0.0500	0.0495	99.0	63-135	
4-CHLOROTOLUENE	0.0500	0.0498	99.6	64-135	
BENZENE	0.0500	0.0492	98.4	65-135	
BROMOBENZENE	0.0500	0.0542	108	65-135	
BROMOCHLOROMETHANE	0.0500	0.0511	102	63-135	
BROMODICHLOROMETHANE	0.0500	0.0581	116	65-135	
BROMOFORM	0.0500	0.0563	113	65-135	
BROMOMETHANE	0.0500	0.0489	97.8	62-135	
CARBON TETRACHLORIDE	0.050	0.049	98.0	52-135	
CHLOROBENZENE	0.0500	0.0526	105	65-135	
CHLOROETHANE	0.0500	0.0492	98.4	55-135	
CHLOROFORM	0.0500	0.0541	108	64-135	
CHLOROMETHANE	0.0500	0.0445	89.0	65-135	
CIS-1,2-DCE	0.0500	0.0535	107	65-135	
CIS-1,3-DICHLOROPROPENE	0.0500	0.0579	116	64-135	
DIBROMOCHLOROMETHANE	0.0500	0.0536	107	63-135	
DIBROMOMETHANE	0.050	0.055	110	59-137	
DICHLORODIFLUOROMETHANE	0.0500	0.0398	79.6	65-135	

Comments: ARF: 67072, QC Sample ID: AY55848

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8260B
AAB #: 120229AN-164497

Lab Name: APPL, Inc
Contract #: *G012

LCS ID: 120229AN LCS-15N(SS) 8/5/12
Initial Calibration ID: N120229

Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
ETHYLBENZENE	0.0500	0.0487	97.4	65-135	
HEXACHLOROBUTADIENE	0.0500	0.0460	92.0	65-135	
ISOPROPYLBENZENE	0.0500	0.0479	95.8	65-135	
M&P-XYLENE	0.1000	0.0981	98.1	65-135	
METHYLENE CHLORIDE	0.0500	0.0550	110	65-135	
N-BUTYLBENZENE	0.0500	0.0430	86.0	65-135	
N-PROPYLBENZENE	0.0500	0.0484	96.8	65-135	
NAPHTHALENE	0.0500	0.0478	95.6	65-135	
O-XYLENE	0.0500	0.0521	104	65-135	
P-ISOPROPYLTOLUENE	0.0500	0.0467	93.4	65-135	
SEC-BUTYLBENZENE	0.0500	0.0457	91.4	65-135	
STYRENE	0.0500	0.0512	102	65-135	
TCE	0.0500	0.0470	94.0	61-135	
TERT-BUTYLBENZENE	0.0500	0.0473	94.6	65-135	
TETRACHLOROETHENE	0.0500	0.0435	87.0	61-135	
TOLUENE	0.0500	0.0513	103	64-135	
TRANS-1,2-DCE	0.0500	0.0492	98.4	65-135	
TRANS-1,3-DICHLOROPROPENE	0.0500	0.0549	110	56-135	
TRICHLOROFLUOROMETHANE	0.0500	0.0436	87.2	57-135	
VINYL CHLORIDE	0.0500	0.0438	87.6	36-144	

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	105	52-149	
SURROGATE: 4-BROMOFLUOROBENZ	114	65-135	
SURROGATE: DIBROMOFLUOROMETH	102	65-135	
SURROGATE: TOLUENE-D8 (S)	109	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments: ARF: 67072, QC Sample ID: AY55848

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8260B
AAB #: 120305AN-164483
Lab Name: APPL, Inc
Contract #: *G012
LCS ID: 120305AN LCS - HW3/12/12 1SN (SC)
Initial Calibration ID: N120305
Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
1,1,1,2-TETRACHLOROETHANE	0.0500	0.0507	101	62-125	
1,1,1-TCA	0.0500	0.0584	117	65-135	
1,1,2,2-TETRACHLOROETHANE	0.0500	0.0472	94.4	64-135	
1,1,2-TCA	0.0500	0.0521	104	65-135	
1,1-DCA	0.0500	0.0530	106	62-135	
1,1-DCE	0.0500	0.0562	112	65-135	
1,1-DICHLOROPROPENE	0.0500	0.0555	111	65-135	
1,2,3-TRICHLOROBENZENE	0.0500	0.0522	104	65-147	
1,2,3-TRICHLOROPROPANE	0.050	0.048	96.0	65-135	
1,2,4-TRICHLOROBENZENE	0.0500	0.0435	87.0	65-145	
1,2,4-TRIMETHYLBENZENE	0.0500	0.0497	99.4	65-135	
1,2-DCA	0.0500	0.0492	98.4	58-137	
1,2-DCB	0.0500	0.0491	98.2	65-135	
1,2-DIBROMO-3-CHLOROPROPANE	0.050	0.052	104	49-135	
1,2-DICHLOROPROPANE	0.0500	0.0519	104	60-135	
1,2-EDB	0.0500	0.0487	97.4	65-135	
1,3,5-TRIMETHYLBENZENE	0.0500	0.0541	108	62-135	
1,3-DCB	0.0500	0.0479	95.8	65-135	
1,3-DICHLOROPROPANE	0.0500	0.0515	103	65-135	
1,4-DCB	0.0500	0.0462	92.4	65-135	
1-CHLOROHEXANE	0.0500	0.0538	108	65-135	
2,2-DICHLOROPROPANE	0.050	0.053	106	65-135	
2-CHLOROTOLUENE	0.0500	0.0536	107	63-135	
4-CHLOROTOLUENE	0.0500	0.0455	91.0	64-135	
BENZENE	0.0500	0.0517	103	65-135	
BROMOBENZENE	0.0500	0.0473	94.6	65-135	
BROMOCHLOROMETHANE	0.0500	0.0468	93.6	63-135	
BROMODICHLOROMETHANE	0.0500	0.0523	105	65-135	
BROMOFORM	0.0500	0.0497	99.4	65-135	
BROMOMETHANE	0.0500	0.0537	107	62-135	
CARBON TETRACHLORIDE	0.050	0.058	116	52-135	
CHLOROBENZENE	0.0500	0.0505	101	65-135	
CHLOROETHANE	0.0500	0.0585	117	55-135	
CHLOROFORM	0.0500	0.0520	104	64-135	
CHLOROMETHANE	0.0500	0.0564	113	65-135	
CIS-1,2-DCE	0.0500	0.0540	108	65-135	
CIS-1,3-DICHLOROPROPENE	0.0500	0.0510	102	64-135	
DIBROMOCHLOROMETHANE	0.0500	0.0522	104	63-135	
DIBROMOMETHANE	0.050	0.050	100	59-137	
DICHLORODIFLUOROMETHANE	0.0500	0.0562	112	65-135	

Comments: ARF: 67072, QC Sample ID: AY56027

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8260B
AAB #: 120305AN-164483

Lab Name: APPL, Inc
Contract #: *G012

LCS ID: 120305AN LCS -15N (55) 4w 3/19/18
Initial Calibration ID: N120305

Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
ETHYLBENZENE	0.0500	0.0534	107	65-135	
HEXACHLOROBUTADIENE	0.0500	0.0543	109	65-135	
ISOPROPYLBENZENE	0.0500	0.0530	106	65-135	
M&P-XYLENE	0.1000	0.1073	107	65-135	
METHYLENE CHLORIDE	0.0500	0.0523	105	65-135	
N-BUTYLBENZENE	0.0500	0.0508	102	65-135	
N-PROPYLBENZENE	0.0500	0.0536	107	65-135	
NAPHTHALENE	0.0500	0.0467	93.4	65-135	
O-XYLENE	0.0500	0.0516	103	65-135	
P-ISOPROPYLTOLUENE	0.0500	0.0494	98.8	65-135	
SEC-BUTYLBENZENE	0.0500	0.0535	107	65-135	
STYRENE	0.0500	0.0502	100	65-135	
TCE	0.0500	0.0535	107	61-135	
TERT-BUTYLBENZENE	0.0500	0.0519	104	65-135	
TETRACHLOROETHENE	0.0500	0.0546	109	61-135	
TOLUENE	0.0500	0.0533	107	64-135	
TRANS-1,2-DCE	0.0500	0.0539	108	65-135	
TRANS-1,3-DICHLOROPROPENE	0.0500	0.0505	101	56-135	
TRICHLOROFLUOROMETHANE	0.0500	0.0577	115	57-135	
VINYL CHLORIDE	0.0500	0.0529	106	36-144	

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	85.7	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	100	65-135	
SURROGATE: DIBROMOFLUOROMETH	87.8	65-135	
SURROGATE: TOLUENE-D8 (S)	106	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments: ARF: 67072, QC Sample ID: AY56027

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
LCS ID: 120306AT #w3112112 LCS-1ST
Concentration Units: mg/kg

AAB #: 120306AT-164608
Contract #: *G012
Initial Calibration ID: T120307

Analyte	Expected	Found	% R	Control Limits	Q
1,1,1,2-TETRACHLOROETHANE	0.0500	0.0490	98.0	62-125	
1,1,1-TCA	0.0500	0.0448	89.6	65-135	
1,1,2,2-TETRACHLOROETHANE	0.0500	0.0494	98.8	64-135	
1,1,2-TCA	0.0500	0.0497	99.4	65-135	
1,1-DCA	0.0500	0.0463	92.6	62-135	
1,1-DCE	0.0500	0.0415	83.0	65-135	
1,1-DICHLOROPROPENE	0.0500	0.0431	86.2	65-135	
1,2,3-TRICHLOROBENZENE	0.0500	0.0504	101	65-147	
1,2,3-TRICHLOROPROPANE	0.050	0.050	100	65-135	
1,2,4-TRICHLOROBENZENE	0.0500	0.0457	91.4	65-145	
1,2,4-TRIMETHYLBENZENE	0.0500	0.0494	98.8	65-135	
1,2-DCA	0.0500	0.0486	97.2	58-137	
1,2-DCB	0.0500	0.0469	93.8	65-135	
1,2-DIBROMO-3-CHLOROPROPANE	0.050	0.052	104	49-135	
1,2-DICHLOROPROPANE	0.0500	0.0481	96.2	60-135	
1,2-EDB	0.0500	0.0513	103	65-135	
1,3,5-TRIMETHYLBENZENE	0.0500	0.0480	96.0	62-135	
1,3-DCB	0.0500	0.0452	90.4	65-135	
1,3-DICHLOROPROPANE	0.0500	0.0501	100	65-135	
1,4-DCB	0.0500	0.0455	91.0	65-135	
1-CHLOROHEXANE	0.0500	0.0411	82.2	65-135	
2,2-DICHLOROPROPANE	0.050	0.043	86.0	65-135	
2-CHLOROTOLUENE	0.0500	0.0468	93.6	63-135	
4-CHLOROTOLUENE	0.0500	0.0473	94.6	64-135	
BENZENE	0.0500	0.0467	93.4	65-135	
BROMOBENZENE	0.0500	0.0470	94.0	65-135	
BROMOCHLOROMETHANE	0.0500	0.0498	99.6	63-135	
BROMODICHLOROMETHANE	0.0500	0.0497	99.4	65-135	
BROMOFORM	0.0500	0.0511	102	65-135	
BROMOMETHANE	0.0500	0.0418	83.6	62-135	
CARBON TETRACHLORIDE	0.050	0.041	82.0	52-135	
CHLOROBENZENE	0.0500	0.0460	92.0	65-135	
CHLOROETHANE	0.0500	0.0393	78.6	55-135	
CHLOROFORM	0.0500	0.0474	94.8	64-135	
CHLOROMETHANE	0.0500	0.0418	83.6	65-135	
CIS-1,2-DCE	0.0500	0.0469	93.8	65-135	
CIS-1,3-DICHLOROPROPENE	0.0500	0.0494	98.8	64-135	
DIBROMOCHLOROMETHANE	0.0500	0.0497	99.4	63-135	
DIBROMOMETHANE	0.050	0.051	102	59-137	
DICHLORODIFLUOROMETHANE	0.0500	0.0347	69.4	65-135	

Comments: ARF: 67072, QC Sample ID: AY55855

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
LCS ID: 120306AT LCS-1ST (HW 3/12/12)
Concentration Units: mg/kg

AAB #: 120306AT-164608
Contract #: *G012
Initial Calibration ID: T120307

Analyte	Expected	Found	% R	Control Limits	Q
ETHYLBENZENE	0.0500	0.0463	92.6	65-135	
HEXACHLOROBUTADIENE	0.0500	0.0420	84.0	65-135	
ISOPROPYLBENZENE	0.0500	0.0449	89.8	65-135	
M&P-XYLENE	0.1000	0.0965	96.5	65-135	
METHYLENE CHLORIDE	0.0500	0.0488	97.6	65-135	
N-BUTYLBENZENE	0.0500	0.0448	89.6	65-135	
N-PROPYLBENZENE	0.0500	0.0451	90.2	65-135	
NAPHTHALENE	0.0500	0.0477	95.4	65-135	
O-XYLENE	0.0500	0.0491	98.2	65-135	
P-ISOPROPYLTOLUENE	0.0500	0.0461	92.2	65-135	
SEC-BUTYLBENZENE	0.0500	0.0446	89.2	65-135	
STYRENE	0.0500	0.0444	88.8	65-135	
TCE	0.0500	0.0431	86.2	61-135	
TERT-BUTYLBENZENE	0.0500	0.0449	89.8	65-135	
TETRACHLOROETHENE	0.0500	0.0420	84.0	61-135	
TOLUENE	0.0500	0.0468	93.6	64-135	
TRANS-1,2-DCE	0.0500	0.0449	89.8	65-135	
TRANS-1,3-DICHLOROPROPENE	0.0500	0.0515	103	56-135	
TRICHLOROFLUOROMETHANE	0.0500	0.0369	73.8	57-135	
VINYL CHLORIDE	0.0500	0.0387	77.4	36-144	

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	103	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	93.6	65-135	
SURROGATE: DIBROMOFLUOROMETH	103	65-135	
SURROGATE: TOLUENE-D8 (S)	104	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments: ARF: 67072, QC Sample ID: AY55855

AFCEE
ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: EPA 8260B

Initial Calibration ID: T120307

Lab Name: APPL, Inc

Contract #: *G012

Concentration Units: mg/kg

% Solids: 92.9 11/03/17

Parent Field Sample ID: B4-NT1-BOT01

MS ID: 120307-55855S MS-1ST (AY 01)

MSD ID: 120307-55855S MSD-1ST (AY 01)

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	% R	Duplicate Spiked Sample Result	% R	%RPD	Control Limits % R	Control Limits % RPD	Q
1,1,1,2-TETRACHLOROETHANE		0.0537	0.0639	119	0.0630	117	1.4	62-125	30	
1,1,1-TCA		0.0537	0.0900	168	0.0850	158	5.7	65-135	30	M
1,1,2,2-TETRACHLOROETHANE		0.0537	0.0550	102	0.0530	98.7	3.7	64-135	30	
1,1,2-TCA		0.0537	0.0569	106	0.0532	99.1	6.7	65-135	30	
1,1-DCA		0.0537	0.0737	137	0.0703	131	4.7	62-135	30	M
1,1-DCE		0.0537	0.0927	173	0.0866	161	6.8	65-135	30	M
1,1-DICHLOROPROPENE		0.0537	0.0920	171	0.0889	166	3.4	65-135	30	M
1,2,3-TRICHLOROBENZENE		0.0537	0.0374	69.6	0.0368	68.5	1.6	65-147	30	
1,2,3-TRICHLOROPROPANE		0.054	0.053	98.1	0.052	96.3	1.9	65-135	30	
1,2,4-TRICHLOROBENZENE		0.0537	0.0515	95.9	0.0517	96.3	0.39	65-145	30	
1,2,4-TRIMETHYLBENZENE		0.0537	0.0735	137	0.0737	137	0.27	65-135	30	M
1,2-DCA		0.0537	0.0578	108	0.0541	101	6.6	58-137	30	
1,2-DCB		0.0537	0.0531	98.9	0.0524	97.6	1.3	65-135	30	
1,2-DIBROMO-3-CHLOROPROPAN		0.054	0.049	90.7	0.049	90.7	0.0	49-135	30	
1,2-DICHLOROPROPANE		0.0537	0.0650	121	0.0622	116	4.4	60-135	30	
1,2-EDB		0.0537	0.0567	106	0.0543	101	4.3	65-135	30	
1,3,5-TRIMETHYLBENZENE		0.0537	0.0781	145	0.0776	145	0.64	62-135	30	M
1,3-DCB		0.0537	0.0572	107	0.0570	106	0.35	65-135	30	
1,3-DICHLOROPROPANE		0.0537	0.0581	108	0.0565	105	2.8	65-135	30	
1,4-DCB		0.0537	0.0553	103	0.0544	101	1.6	65-135	30	
1-CHLOROHEXANE		0.0537	0.0892	166	0.0898	167	0.67	65-135	30	M
2,2-DICHLOROPROPANE		0.054	0.087	161	0.083	154	4.7	65-135	30	M
2-CHLOROTOLUENE		0.0537	0.0697	130	0.0701	131	0.57	63-135	30	
4-CHLOROTOLUENE		0.0537	0.0678	126	0.0681	127	0.44	64-135	30	
BENZENE		0.0537	0.0728	136	0.0696	130	4.5	65-135	30	M
BROMOBENZENE		0.0537	0.0594	111	0.0574	107	3.4	65-135	30	
BROMOCHLOROMETHANE		0.0537	0.0591	110	0.0563	105	4.9	63-135	30	
BROMODICHLOROMETHANE		0.0537	0.0627	117	0.0591	110	5.9	65-135	30	
BROMOFORM		0.0537	0.0557	104	0.0542	101	2.7	65-135	30	
BROMOMETHANE		0.0537	0.0604	112	0.0511	95.2	16.7	62-135	30	
CARBON TETRACHLORIDE		0.054	0.092	170	0.088	163	4.4	52-135	30	M
CHLOROBENZENE		0.0537	0.0639	119	0.0623	116	2.5	65-135	30	
CHLOROETHANE	0.0022	0.0537	0.0870	158	0.0657	118	27.9	55-135	30	M
CHLOROFORM		0.0537	0.0679	126	0.0643	120	5.4	64-135	30	
CHLOROMETHANE		0.0537	0.0739	138	0.0583	109	23.6	65-135	30	M
CIS-1,2-DCE		0.0537	0.0675	126	0.0635	118	6.1	65-135	30	
CIS-1,3-DICHLOROPROPENE		0.0537	0.0604	112	0.0572	107	5.4	64-135	30	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: EPA 8260B

Initial Calibration ID: T120307

Lab Name: APPL, Inc

Contract #: *G012

Concentration Units: mg/kg

% Solids: 92.9

Parent Field Sample ID: B4-NT1-BOT01

MS ID: 120307-55855S MS-1ST

MSD ID: 120307-55855S MSD-1ST

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	% R	Duplicate Spiked Sample Result	% R	%RPD	Control Limits % R	Control Limits % RPD	Q
DIBROMOCHLOROMETHANE		0.0537	0.0575	107	0.0562	105	2.3	63-135	30	
DIBROMOMETHANE		0.054	0.057	106	0.054	100	5.4	59-137	30	
DICHLORODIFLUOROMETHANE		0.0537	0.1211	226	0.0965	180	22.6	65-135	30	M
ETHYLBENZENE		0.0537	0.0782	146	0.0778	145	0.51	65-135	30	M
HEXACHLOROBUTADIENE		0.0537	0.0515	95.9	0.0508	94.6	1.4	65-135	30	
ISOPROPYLBENZENE		0.0537	0.0833	155	0.0823	153	1.2	65-135	30	M
M&P-XYLENE		0.1074	0.1575	147	0.1559	145	1.0	65-135	30	M
METHYLENE CHLORIDE		0.0537	0.0692	129	0.0625	116	10.2	65-135	30	
N-BUTYLBENZENE		0.0537	0.0743	138	0.0757	141	1.9	65-135	30	M
N-PROPYLBENZENE		0.0537	0.0811	151	0.0813	151	0.25	65-135	30	M
NAPHTHALENE		0.0537	0.0339	63.1	0.0346	64.4	2.0	65-135	30	M
O-XYLENE		0.0537	0.0715	133	0.0716	133	0.14	65-135	30	
P-ISOPROPYLTOLUENE		0.0537	0.0792	147	0.0806	150	1.8	65-135	30	M
SEC-BUTYLBENZENE		0.0537	0.0816	152	0.0828	154	1.5	65-135	30	M
STYRENE		0.0537	0.0579	108	0.0571	106	1.4	65-135	30	
TCE		0.0537	0.0750	140	0.0709	132	5.6	61-135	30	M
TERT-BUTYLBENZENE		0.0537	0.0806	150	0.0832	155	3.2	65-135	30	M
TETRACHLOROETHENE		0.0537	0.0834	155	0.0821	153	1.6	61-135	30	M
TOLUENE		0.0537	0.0746	139	0.0716	133	4.1	64-135	30	M
TRANS-1,2-DCE		0.0537	0.0782	146	0.0717	134	8.7	65-135	30	M
TRANS-1,3-DICHLOROPROPENE		0.0537	0.0586	109	0.0546	102	7.1	56-135	30	
TRICHLOROFLUOROMETHANE		0.0537	0.0996	185	0.0730	136	30.8	57-135	30	M
VINYL CHLORIDE		0.0537	0.1006	187	0.0712	133	34.2	36-144	30	M

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	% R	Duplicate Spiked Sample Result	% R	%RPD	Control Limits % R	Control Limits % RPD	Q
SURROGATE: 1,2-DICHLOROETHA		0.065	0.069	106	0.066	102		52-149		
SURROGATE: 4-BROMOFLUOROB		0.078	0.073	93.6	0.074	94.9		65-135		
SURROGATE: DIBROMOFLUOROM		0.074	0.077	104	0.076	103		65-135		
SURROGATE: TOLUENE-D8 (S)		0.083	0.089	107	0.089	107		65-135		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
HOLDING TIMES

Analytical Method: EPA 8260B

AAB#: 120229AC-164500

Lab Name: APPL, Inc

Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time Ext	Time Held Ext	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
TB-1	27-Feb-12	28-Feb-12	29-Feb-12			29-Feb-12	14	2	

Comments: ARF: 67072

AFCEE
ORGANIC ANALYSES DATA SHEET 9
HOLDING TIMES

Analytical Method: EPA 8260B AAB#: 120229AN-164497

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time Ext	Time Held Ext	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
B4-NT1-BOT01 FD	27-Feb-12	28-Feb-12	01-Mar-12			01-Mar-12	14	3	
B4-NT1-BOT02	27-Feb-12	28-Feb-12	01-Mar-12			01-Mar-12	14	3	
B4-NT1-BOT03	27-Feb-12	28-Feb-12	01-Mar-12			01-Mar-12	14	3	
B4-NT1-SW3	27-Feb-12	28-Feb-12	29-Feb-12			29-Feb-12	14	2	
B4-NT1-SW4	27-Feb-12	28-Feb-12	01-Mar-12			01-Mar-12	14	3	
B4-NT1-SW5	27-Feb-12	28-Feb-12	01-Mar-12			01-Mar-12	14	3	
B4-NT1-SW6 FD	27-Feb-12	28-Feb-12	01-Mar-12			01-Mar-12	14	3	
B4-NT1-SW7	27-Feb-12	28-Feb-12	01-Mar-12			01-Mar-12	14	3	
B4-NT1-SW8	27-Feb-12	28-Feb-12	01-Mar-12			01-Mar-12	14	3	

Comments: ARF: 67072

AFCEE
ORGANIC ANALYSES DATA SHEET 9
HOLDING TIMES

Analytical Method: EPA 8260B

AAB#: 120305AN-164483

Lab Name: APPL, Inc

Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time Ext	Time Held Ext	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
B4-NT1-SW6	27-Feb-12	28-Feb-12	06-Mar-12			06-Mar-12	14	8	
B4-NT1-SW9	27-Feb-12	28-Feb-12	06-Mar-12			06-Mar-12	14	8	

Comments: ARF: 67072

AFCEE
ORGANIC ANALYSES DATA SHEET 9
HOLDING TIMES

Analytical Method: EPA 8260B AAB#: 120306AT-164608

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time Ext	Time Held Ext	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
B4-NT1-BOT01	27-Feb-12	28-Feb-12	07-Mar-12			07-Mar-12	14	9	

Comments: ARF: 67072

AFCEE
ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: METHOD 8260

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: Chico ICAL ID: C120224

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
25ug/mL BFB Std 02-13-12A	24-Feb-12	9:12	24-Feb-12	9:24
0.3ug/L Vol Std 02-24-12	24-Feb-12	11:37	24-Feb-12	12:05
0.5ug/L Vol Std 02-24-12	24-Feb-12	12:13	24-Feb-12	12:42
1.0ug/L Vol Std 02-24-12	24-Feb-12	12:50	24-Feb-12	13:19
5.0ug/L Vol Std 02-24-12	24-Feb-12	13:27	24-Feb-12	13:55
10ug/L Vol Std 02-24-12	24-Feb-12	14:04	24-Feb-12	14:32
40ug/L Vol Std 02-24-12	24-Feb-12	14:41	24-Feb-12	15:09
100ug/L Vol Std 02-24-12	24-Feb-12	15:18	24-Feb-12	15:46
200ug/L Vol Std 02-24-12	24-Feb-12	15:55	24-Feb-12	16:23
120224A LCS-1WC (SS)	24-Feb-12	20:14	24-Feb-12	20:42
25ug/mL BFB Std 02-13-12A	29-Feb-12	12:50	29-Feb-12	13:01
10ug/L Vol Std 02-29-12	29-Feb-12	13:59	29-Feb-12	14:28
120229A LCS-1WC	29-Feb-12	14:36	29-Feb-12	15:05
120229A BLK-1WC	29-Feb-12	18:19	29-Feb-12	18:47
AY55845W01	29-Feb-12	18:56	29-Feb-12	19:24

Comments:

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ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: METHOD 8260B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: Neo ICAL ID: N120229

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
25ug/mL BFB Std 2-13-12	29-Feb-12	10:15	29-Feb-12	10:26
Vol Std 02-29-12 @2ug/kg	29-Feb-12	12:48	29-Feb-12	13:20
Vol Std 02-29-12 @5ug/kg	29-Feb-12	13:26	29-Feb-12	13:58
Vol Std 02-29-12 @10ug/kg	29-Feb-12	14:04	29-Feb-12	14:35
Vol Std 02-29-12 @20ug/kg	29-Feb-12	14:42	29-Feb-12	15:14
Vol Std 02-29-12 @50ug/kg	29-Feb-12	15:20	29-Feb-12	15:52
Vol Std 02-29-12 @100ug/kg	29-Feb-12	15:58	29-Feb-12	16:30
Vol Std 02-29-12 @200ug/kg	29-Feb-12	16:37	29-Feb-12	17:08
25ug/mL BFB Std 2-13-12	29-Feb-12	18:31	29-Feb-12	19:02
50ug/mL Vol Std 2-29-12	29-Feb-12	19:46	29-Feb-12	20:18
120229A LCS-1SN (SS)	29-Feb-12	20:24	29-Feb-12	20:56
AY55846S01 5.017g	29-Feb-12	22:18	29-Feb-12	22:50
AY55847S01 5.016g	29-Feb-12	22:56	29-Feb-12	23:28
AY55848S01 5.034g	29-Feb-12	23:34	01-Mar-12	0:05
AY55849S01 5.035g	01-Mar-12	00:11	01-Mar-12	0:43
AY55850S01 5.038g	01-Mar-12	00:49	01-Mar-12	1:21
AY55851S01 5.033g	01-Mar-12	1:27	01-Mar-12	1:59
AY55852S01 5.022g	01-Mar-12	2:05	01-Mar-12	2:37
AY55853S01 5.053g	01-Mar-12	2:43	01-Mar-12	3:15
AY55854S01 5.034g	01-Mar-12	3:21	01-Mar-12	3:53
AY55856S01 5.011g	01-Mar-12	3:59	01-Mar-12	4:30
AY55869S01 5.021g	01-Mar-12	4:36	01-Mar-12	5:08
120229A BLK-1SN	01-Mar-12	5:14	01-Mar-12	5:46

mp 3-13-12

Comments:

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ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: METHOD 8260B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: Neo ICAL ID: N120305

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
25ug/mL BFB Std 2-13-12	05-Mar-12	10:17	05-Mar-12	10:28
2ug/kg Vol Std 03-05-12	05-Mar-12	12:46	05-Mar-12	13:18
5ug/kg Vol Std 03-05-12	05-Mar-12	13:24	05-Mar-12	13:56
10ug/kg Vol Std 03-05-12	05-Mar-12	14:03	05-Mar-12	14:34
20ug/kg Vol Std 03-05-12	05-Mar-12	14:41	05-Mar-12	15:13
50ug/kg Vol Std 03-05-12	05-Mar-12	15:19	05-Mar-12	15:51
100ug/kg Vol Std 03-05-12	05-Mar-12	15:57	05-Mar-12	16:29
200ug/kg Vol Std 03-05-12	05-Mar-12	16:35	05-Mar-12	17:07
25ug/mL BFB Std 2-13-12	05-Mar-12	17:51	05-Mar-12	18:23
50ug/kg Vol Std 03-05-12	05-Mar-12	19:08	05-Mar-12	19:39
120305A LCS-1SN (ss)	05-Mar-12	20:24	05-Mar-12	20:56
120305A BLK-1SN	05-Mar-12	22:19	05-Mar-12	22:51
AY55846S01 5.015	06-Mar-12	00:13	06-Mar-12	0:45
AY55847S01 5.023	06-Mar-12	00:51	06-Mar-12	1:23

Comments:

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ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: METHOD 8260B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: Thor ICAL ID: T120307

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
5ng- BFB STD 02-13-12	07-Mar-12	8:44	07-Mar-12	8:49
2.0ug/kg Vol Std 03-06-12	07-Mar-12	9:51	07-Mar-12	10:09
5.0ug/kg Vol Std 03-06-12	07-Mar-12	10:13	07-Mar-12	10:31
10ug/kg Vol Std 03-06-12	07-Mar-12	10:35	07-Mar-12	10:53
20ug/kg Vol Std 03-06-12	07-Mar-12	10:57	07-Mar-12	11:15
50ug/kg Vol Std 03-06-12	07-Mar-12	11:19	07-Mar-12	11:37
100ug/kg Vol Std 03-06-12	07-Mar-12	11:41	07-Mar-12	11:59
200ug/kg Vol Std 03-06-12	07-Mar-12	12:02	07-Mar-12	12:21
50ug/kg Vol Std 03-06-12 (SS)	07-Mar-12	13:08	07-Mar-12	13:26
120306A LCS-1ST	07-Mar-12	13:30	07-Mar-12	13:48
120306A BLK-1ST	07-Mar-12	14:14	07-Mar-12	14:32
AY55855S01 5.053	07-Mar-12	14:58	07-Mar-12	15:16
AY55855S01 5.010 MS-1ST	07-Mar-12	16:48	07-Mar-12	17:06
AY55855S01 5.012 MSD-1ST	07-Mar-12	17:10	07-Mar-12	17:28

Comments:

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Injection Log

Directory: M:\CHICO\DATA\C120224\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0224C00T.D	1	25ug/mL BFB Std 02-13-12A	2uL	24 Feb 12 9:12
2	1	0224C04W.D	1	0.3ug/L Vol Std 02-24-12	Water 10mLw/ IS:01-31-12C	24 Feb 12 11:37
3	1	0224C05W.D	1	0.5ug/L Vol Std 02-24-12	Water 10mLw/ IS:01-31-12C	24 Feb 12 12:13
4	1	0224C06W.D	1	1.0ug/L Vol Std 02-24-12	Water 10mLw/ IS:01-31-12C	24 Feb 12 12:50
5	1	0224C07W.D	1	5.0ug/L Vol Std 02-24-12	Water 10mLw/ IS:01-31-12C	24 Feb 12 13:27
6	1	0224C08W.D	1	10ug/L Vol Std 02-24-12	Water 10mLw/ IS:01-31-12C	24 Feb 12 14:04
7	1	0224C09W.D	1	40ug/L Vol Std 02-24-12	Water 10mLw/ IS:01-31-12C	24 Feb 12 14:41
8	1	0224C10W.D	1	100ug/L Vol Std 02-24-12	Water 10mLw/ IS:01-31-12C	24 Feb 12 15:18
9	1	0224C11W.D	1	200ug/L Vol Std 02-24-12	Water 10mLw/ IS:01-31-12C	24 Feb 12 15:55
10	1	0224C18W.D	1	120224A LCS-1WC (SS)	Water 10mLw/ IS&S:01-31C/01-03E	24 Feb 12 20:14
11	1	0229C00T.D	1	25ug/mL BFB Std 02-13-12A	2uL	29 Feb 12 12:50
12	1	0229C02W.D	1	10ug/L Vol Std 02-29-12	Water 10mLw/ IS&S:01-31C/01-03E	29 Feb 12 13:59
13	1	0229C03W.D	1	120229A LCS-1WC	Water 10mLw/ IS&S:01-31C/01-03E	29 Feb 12 14:36
14	1	0229C09W.D	1	120229A BLK-1WC	Water 10mLw/ IS&S:01-31C/01-03E	29 Feb 12 18:19
15	1	0229C10W.D	1	AY55845W01	Water 10mLw/ IS&S:01-31C/01-03E	29 Feb 12 18:56

Injection Log

Directory: M:\NEO\DATA\N120229\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0229N00T.D	1	25ug/mL BFB Std 2-13-12	1uL	29 Feb 12 10:15
2	1	0229N04S.D	1	Vol Std 02-29-12 @2ug/kg	Soil 5mL w/ IS:10-20-11	29 Feb 12 12:48
3	1	0229N05S.D	1	Vol Std 02-29-12 @5ug/kg	Soil 5mL w/ IS:10-20-11	29 Feb 12 13:26
4	1	0229N06S.D	1	Vol Std 02-29-12 @10ug/kg	Soil 5mL w/ IS:10-20-11	29 Feb 12 14:04
5	1	0229N07S.D	1	Vol Std 02-29-12 @20ug/kg	Soil 5mL w/ IS:10-20-11	29 Feb 12 14:42
6	1	0229N08S.D	1	Vol Std 02-29-12 @50ug/kg	Soil 5mL w/ IS:10-20-11	29 Feb 12 15:20
7	1	0229N09S.D	1	Vol Std 02-29-12 @100ug/kg	Soil 5mL w/ IS:10-20-11	29 Feb 12 15:58
8	1	0229N10S.D	1	Vol Std 02-29-12 @200ug/kg	Soil 5mL w/ IS:10-20-11	29 Feb 12 16:37
9	1	0229N13S.D	1	25ug/mL BFB Std 2-13-12	1uL	29 Feb 12 18:31
10	1	0229N15S.D	1	50ug/kg Vol Std 2-29-12	Soil 5mL w/ ISS:10-20-11	29 Feb 12 19:46
11	1	0229N16S.D	1	120229A LCS-1SN (SS)	Soil 5mL w/ ISS:10-20-11	29 Feb 12 20:24
12	1	0229N21S.D	0.993246	AY55848S01 5.034g	Soil 5mL w/ ISS:10-20-11	29 Feb 12 23:34
13	1	0229N22S.D	0.993049	AY55849S01 5.035g	Soil 5mL w/ ISS:10-20-11	1 Mar 12 00:11
14	1	0229N23S.D	0.992457	AY55850S01 5.038g	Soil 5mL w/ ISS:10-20-11	1 Mar 12 00:49
15	1	0229N24S.D	0.993443	AY55851S01 5.033g	Soil 5mL w/ ISS:10-20-11	1 Mar 12 1:27
16	1	0229N25S.D	0.995619	AY55852S01 5.022g	Soil 5mL w/ ISS:10-20-11	1 Mar 12 2:05
17	1	0229N26S.D	0.989511	AY55853S01 5.053g	Soil 5mL w/ ISS:10-20-11	1 Mar 12 2:43
18	1	0229N27S.D	0.993246	AY55854S01 5.034g	Soil 5mL w/ ISS:10-20-11	1 Mar 12 3:21
19	1	0229N28S.D	0.997805	AY55856S01 5.011g	Soil 5mL w/ ISS:10-20-11	1 Mar 12 3:59
20	1	0229N29S.D	0.995818	AY55869S01 5.021g	Soil 5mL w/ ISS:10-20-11	1 Mar 12 4:36
21	1	0229N30S.D	1	120229A BLK-1SN	Soil 5mL w/ ISS:10-20-11	1 Mar 12 5:14

Injection Log

Directory: M:\THOR\DATA\T120307\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0307T01T.D	1	5ng- BFB STD 02-13-12	2ul	7 Mar 12 8:44
2	3	0307T03S.D	1	2.0ug/kg Vol Std 03-06-12	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 9:51
3	4	0307T04S.D	1	5.0ug/kg Vol Std 03-06-12	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 10:13
4	5	0307T05S.D	1	10ug/kg Vol Std 03-06-12	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 10:35
5	6	0307T06S.D	1	20ug/kg Vol Std 03-06-12	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 10:57
6	7	0307T07S.D	1	50ug/kg Vol Std 03-06-12	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 11:19
7	8	0307T08S.D	1	100ug/kg Vol Std 03-06-12	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 11:41
8	9	0307T09S.D	1	200ug/kg Vol Std 03-06-12	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 12:02
9	12	0307T12S.D	1	50ug/kg Vol Std 03-06-12 (SS)	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 13:08
10	13	0307T13S.D	1	120306A LCS-1ST	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 13:30
11	15	0307T15S.D	1	120306A BLK-1ST	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 14:14
12	17	0307T17S.D	0.99	AY55855S01 5.053	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 14:58
13	22	0308T22S.D	0.99802	AY55855S01 5.010 MS-1ST	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 16:48
14	23	0308T23S.D	0.99766	AY55855S01 5.012 MSD-1ST	5ml w/5ul of IS: 12-25-11 | G	7 Mar 12 17:10

Injection Log

Directory: M:\NEO\DATA\N120305\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0305N00T.D	1	25ug/mL BFB Std 2-13-12	2uL	5 Mar 12 10:17
2	1	0305N04S.D	1	2ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 12:46
3	1	0305N05S.D	1	5ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 13:24
4	1	0305N06S.D	1	10ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 14:03
5	1	0305N07S.D	1	20ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 14:41
6	1	0305N08S.D	1	50ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 15:19
7	1	0305N09S.D	1	100ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 15:57
8	1	0305N10S.D	1	200ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 16:35
9	1	0305N12S.D	1	25ug/mL BFB Std 2-13-12	Soil 5mL w/IS&S:10-20-11	5 Mar 12 17:51
10	1	0305N14S.D	1	50ug/kg Vol Std 03-05-12	Soil 5mL w/IS&S:10-20-11	5 Mar 12 19:08
11	1	0305N16S.D	1	120305A LCS-1SN (ss)	Soil 5mL w/IS&S:10-20-11	5 Mar 12 20:24
12	1	0305N19S.D	1	120305A BLK-1SN	Soil 5mL w/IS&S:10-20-11	5 Mar 12 22:19
13	1	0305N22S.D	0.997009	AY55846S01 5.015	Soil 5mL w/IS&S:10-20-11	6 Mar 12 00:13
14	1	0305N23S.D	0.995421	AY55847S01 5.023	Soil 5mL w/IS&S:10-20-11	6 Mar 12 00:51

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: METHOD 8260

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Chico Compound: BFB Injection Date/Time: 24-Feb-12 09:12

Initial Calibration ID: C120224

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of mass 95	17.4	PASS
75	30 - 60% of mass 95	44.4	PASS
95	100 - 100% of mass 95	100.0	PASS
96	5 - 9% of mass 95	6.5	PASS
173	0 - 2% of mass 174	0.0	PASS
174	50 - 100% of mass 95	93.4	PASS
175	5 - 9% of mass 174	7.4	PASS
176	95 - 101% of mass 174	98.8	PASS
177	5 - 9% of mass 176	6.6	PASS

AFCEE FORM O-11 Page ___ of _____

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: METHOD 8260

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Chico Compound: BFB Injection Date/Time: 29-Feb-12 12:50

Initial Calibration ID: C120224

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of mass 95	17.3	PASS
75	30 - 60% of mass 95	42.2	PASS
95	100 - 100% of mass 95	100.0	PASS
96	5 - 9% of mass 95	6.5	PASS
173	0 - 2% of mass 174	0.0	PASS
174	50 - 100% of mass 95	97.5	PASS
175	5 - 9% of mass 174	7.5	PASS
176	95 - 101% of mass 174	98.5	PASS
177	5 - 9% of mass 176	6.7	PASS

AFCEE FORM O-11 Page ___ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: METHOD 8260B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Neo Compound: BFB Injection Date/Time: 29-Feb-12 10:15

Initial Calibration ID: N120229

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of mass 95	22.1	PASS
75	30 - 60% of mass 95	46.4	PASS
95	100 - 100% of mass 95	100.0	PASS
96	5 - 9% of mass 95	6.5	PASS
173	0 - 2% of mass 174	0.1	PASS
174	50 - 100% of mass 95	78.7	PASS
175	5 - 9% of mass 174	6.6	PASS
176	95 - 101% of mass 174	97.6	PASS
177	5 - 9% of mass 176	7.2	PASS

AFCEE FORM O-11 Page ___ of _____

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: METHOD 8260B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Neo Compound: BFB Injection Date/Time: 29-Feb-12 18:31

Initial Calibration ID: N120229

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of mass 95	24.6	PASS
75	30 - 60% of mass 95	49.2	PASS
95	100 - 100% of mass 95	100.0	PASS
96	5 - 9% of mass 95	7.3	PASS
173	0 - 2% of mass 174	0.4	PASS
174	50 - 100% of mass 95	71.4	PASS
175	5 - 9% of mass 174	7.1	PASS
176	95 - 101% of mass 174	97.4	PASS
177	5 - 9% of mass 176	6.3	PASS

AFCEE FORM O-11 Page ___ of _____

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: METHOD 8260B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Neo Compound: BFB Injection Date/Time: 5 Mar 12 10:17

Initial Calibration ID: N120305

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of mass 95	22.4	PASS
75	30 - 60% of mass 95	47.7	PASS
95	100 - 100% of mass 95	100.0	PASS
96	5 - 9% of mass 95	6.9	PASS
173	0 - 2% of mass 174	0.4	PASS
174	50 - 100% of mass 95	74.1	PASS
175	5 - 9% of mass 174	7.1	PASS
176	95 - 101% of mass 174	98.1	PASS
177	5 - 9% of mass 176	7.2	PASS

AFCEE FORM O-11 Page ___ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: METHOD 8260B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Neo Compound: BFB Injection Date/Time: 5 Mar 12 17:51

Initial Calibration ID: N120305

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of mass 95	24.2	PASS
75	30 - 60% of mass 95	48.9	PASS
95	100 - 100% of mass 95	100.0	PASS
96	5 - 9% of mass 95	5.9	PASS
173	0 - 2% of mass 174	0.4	PASS
174	50 - 100% of mass 95	71.9	PASS
175	5 - 9% of mass 174	6.9	PASS
176	95 - 101% of mass 174	96.5	PASS
177	5 - 9% of mass 176	6.8	PASS

AFCEE FORM O-11 Page ___ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: METHOD 8260B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Thor Compound: BFB Injection Date/Time: 7 Mar 12 8:44

Initial Calibration ID: T120307

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of mass 95	17.2	PASS
75	30 - 60% of mass 95	49.5	PASS
95	100 - 100% of mass 95	100.0	PASS
96	5 - 9% of mass 95	6.2	PASS
173	0 - 2% of mass 174	0.9	PASS
174	50 - 100% of mass 95	99.4	PASS
175	5 - 9% of mass 174	6.8	PASS
176	95 - 101% of mass 174	95.7	PASS
177	5 - 9% of mass 176	6.7	PASS

AFCEE FORM O-11 Page ___ of _____

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: *G012

Lab Code: _____ SDG No.: 67072

Lab File ID (Standard): 0224C08W.D Date Analyzed: 02/24/12

Instrument ID: Chico Time Analyzed: 14:04

GC Column: _____ ID: Heated Purge: (Y/N) _____

		Fluorobenzene (IS)		Chlorobenzene-D5 (IS)		1,4-Dichlorobenzene-D (IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	582452	12.81	462400	18.00	261824	22.20
	UPPER LIMIT	1164904	13.31	924800	18.50	523648	22.70
	LOWER LIMIT	291226	12.31	231200	17.50	130912	21.70
	SAMPLE NO.						
01	120224A LCS-1WC (SS)	670470	12.81	557248	18.00	302528	22.20
02	10ug/L Vol Std 02-29-12	571375	12.80	478912	17.98	259968	22.18
03	120229A LCS-1WC	579961	12.80	514368	17.99	281984	22.19
04	120229A BLK-1WC	623171	12.80	509312	17.98	279360	22.18
05	AY55845W01	599948	12.80	506752	17.99	288320	22.18
06							
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AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: *G012

Lab Code: _____ SDG No.: 67072

Lab File ID (Standard): 0229N08S.D Date Analyzed: 02/29/12

Instrument ID: Neo Time Analyzed: 15:20

GC Column: _____ ID: Heated Purge: (Y/N) _____

		Fluorobenzene (IS)		Chlorobenzene-D5 (IS)		1,4-Dichlorobenzene-D (IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	323392	13.26	221376	18.44	92592	22.62
	UPPER LIMIT	646784	13.76	442752	18.94	185184	23.12
	LOWER LIMIT	161696	12.76	110688	17.94	46296	22.12
	SAMPLE NO.						
01	50ug/kg Vol Std 2-29-12	307392	13.26	236608	18.43	101016	22.62
02	120229A LCS-1SN (SS)	348992	13.26	255104	18.43	111496	22.62
03	AY55848S01 5.034g	273280	13.25	205632	18.43	84848	22.61
04	AY55849S01 5.035g	288064	13.25	200256	18.42	81984	22.61
05	AY55850S01 5.038g	314496	13.25	230912	18.42	91016	22.61
06	AY55851S01 5.033g	334208	13.25	254016	18.42	106400	22.61
07	AY55852S01 5.022g	280960	13.26	186880	18.42	87088	22.61
08	AY55853S01 5.053g	270336	13.26	206016	18.43	87360	22.62
09	AY55854S01 5.034g	283584	13.26	199424	18.43	81200	22.62
10	AY55856S01 5.011g	284608	13.25	222976	18.42	96144	22.61
11	AY55869S01 5.021g	275776	13.25	208256	18.43	87192	22.61
12	120229A BLK-1SN	355968	13.25	265024	18.42	113824	22.61
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22							

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: *G012

Lab Code: _____ SDG No.: 67072

Lab File ID (Standard): 0305N08S.D Date Analyzed: 5 Mar 12 15:19

Instrument ID: Neo Time Analyzed: 5 Mar 12 15:19

GC Column: _____ ID: Heated Purge: (Y/N) _____

		Fluorobenzene (IS)		Chlorobenzene-D5 (IS)		1,4-Dichlorobenzene-D (IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	309248	13.29	209344	18.46	79952	22.65
	UPPER LIMIT	618496	13.79	418688	18.96	159904	23.15
	LOWER LIMIT	154624	12.79	104672	17.96	39976	22.15
	SAMPLE NO.						
01	50ug/kg Vol Std 03-05-12	297344	13.29	206720	18.47	81512	22.66
02	120305A LCS-1SN (ss)	321344	13.29	209408	18.46	87496	22.65
03	120305A BLK-1SN	326784	13.29	216448	18.45	97616	22.65
04	AY55846S01 5.015	306560	13.29	176000	18.46	76264	22.65
05	AY55847S01 5.023	414464	13.32	296000	18.47	117304	22.65
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AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: *G012

Lab Code: _____ SDG No.: 67072

Lab File ID (Standard): 0307T07S.D Date Analyzed: 7 Mar 12 11:19

Instrument ID: Thor Time Analyzed: 7 Mar 12 11:19

GC Column: _____ ID: Heated Purge: (Y/N) _____

		Fluorobenzene (IS)		Chlorobenzene-D5 (IS)		1,4-Dichlorobenzene-D (IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	429824	6.75	354560	9.89	205248	12.21
	UPPER LIMIT	859648	7.25	709120	10.39	410496	12.71
	LOWER LIMIT	214912	6.25	177280	9.39	102624	11.71
	SAMPLE NO.						
01	50ug/kg Vol Std 03-06-12 (SS)	452288	6.75	358464	9.89	208960	12.21
02	120306A LCS-1ST	454080	6.75	369536	9.89	216640	12.21
03	120306A BLK-1ST	428224	6.75	345408	9.89	176256	12.21
04	AY55855S01 5.053	417280	6.75	338176	9.89	163392	12.22
05	AY55855S01 5.010 MS-1ST	442624	6.75	353280	9.89	199552	12.21
06	AY55855S01 5.012 MSD-1ST	451648	6.75	351744	9.89	200768	12.21
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AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

EPA METHOD 8260B
Volatile Organic Compounds
Chain of Custody and ARF

APPL, INC.

EPA METHOD 8260B
Volatile Organic Compounds
Calibration Data

APPL, INC.

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C04W.D Vial: 1
Acq On : 24 Feb 12 11:37 Operator: RS, ARS
Sample : 0.3ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	12.81	96	571112	25.00000 ppb		0.00
54) Chlorobenzene-D5 (IS)	17.99	117	469376	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	22.19	152	253376	25.00000 ppb		0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.39	111	12089	0.65396 ppb		0.00
Spiked Amount 22.609			Recovery	= 2.893%		
37) 1,2-DCA-D4(S)	12.19	65	10164	0.66701 ppb		-0.02
Spiked Amount 21.606			Recovery	= 3.087%		
55) Toluene-D8(S)	15.47	98	42771	0.67564 ppb		0.00
Spiked Amount 24.195			Recovery	= 2.794%		
63) 4-Bromofluorobenzene(S)	20.06	95	19854	0.79334 ppb		0.00
Spiked Amount 23.751			Recovery	= 3.339%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.08	85	4338	0.24588 ppb		100
3) Freon 114	4.33	85	2218	0.22183 ppb	#	59
4) Chloromethane	4.56	50	1944	0.31343 ppb	#	84
5) Vinyl chloride	4.82	62	1472	0.31522 ppb		93
6) Bromomethane	5.73	94	1171	0.29631 ppb	#	63
7) Chloroethane	5.91	64	1067	0.30405 ppb		100
8) Dichlorofluoromethane	5.99	67	10620	0.29040 ppb		96
9) Trichlorofluoromethane	6.52	103	1187	0.28705 ppb		96
10) Acetonitrile	7.66	41	13893	15.66868 ug/l		100
11) Acrolein	7.15	56	18110	15.67507 ppb		98
12) Acetone	7.26	43	2259	0.71826 ppb		88
13) Freon-113	7.45	101	3195	0.21713 ppb	#	50
14) 1,1-DCE	7.65	96	3892	0.23488 ppb	#	86
15) t-Butanol	7.76	59	1480	13.57193 ppb	#	71
17) Iodomethane	8.15	142	1997	0.08034 ppb	#	69
18) Acrylonitrile	8.55	53	414	0.15210 ppb	#	43
19) Methylene chloride	8.45	84	17746	0.97919 ppb	#	74
20) Carbon disulfide	8.53	76	3878	0.27808 ppb	#	87
21) Methyl t-butyl ether (MtBE	8.87	73	11670	0.34409 ppb	#	80
22) Trans-1,2-DCE	9.07	96	12706	0.61060 ppb	#	72
23) Diisopropyl Ether	9.74	45	19757	0.32215 ppb	#	88
24) 1,1-DCA	9.76	63	10849	0.33800 ppb	#	90
25) Vinyl Acetate	9.40	43	2232	0.08744 ppb		92
26) Ethyl tert Butyl Ether	10.42	59	15128	0.32507 ppb		93
27) MEK (2-Butanone)	10.43	43	964	0.45227 ppb	#	69
28) Cis-1,2-DCE	10.78	96	10873	0.47994 ppb		77
29) 2,2-Dichloropropane	10.77	77	9855	0.38909 ppb	#	78
30) Chloroform	11.06	85	6946	0.32327 ppb		88
31) Bromochloromethane	11.29	128	2928	0.35353 ppb	#	74
33) 1,1,1-TCA	11.81	97	9006	0.32568 ppb	#	74
34) Cyclohexane	11.97	56	6751	0.26679 ppb	#	86
35) 1,1-Dichloropropene	12.08	75	7824	0.33059 ppb		94
36) 2,2,4-Trimethylpentane	12.15	57	10662	0.25729 ppb		89
38) Carbon Tetrachloride	12.27	117	6070	0.26640 ppb	#	85
39) Tert Amyl Methyl Ether	12.31	73	12609	0.32751 ppb	#	89
40) 1,2-DCA	12.34	62	5810	0.33104 ppb	#	85
41) Benzene	12.47	78	23323	0.31756 ppb		99
42) TCE	13.49	95	5262	0.27733 ppb		86
43) 2-Pentanone	13.17	43	82074	14.86608 ppb		95

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

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C04W.D Vial: 1
Acq On : 24 Feb 12 11:37 Operator: RS, ARS
Sample : 0.3ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44)	1,2-Dichloropropane	13.73	63	5769	0.32278 ppb	#	85
45)	Bromodichloromethane	14.08	83	6210	0.28918 ppb	#	90
46)	Methyl Cyclohexane	13.77	83	5782	0.25854 ppb		95
47)	Dibromomethane	14.13	93	2207	0.25161 ppb	#	76
48)	2-Chloroethyl vinyl ether	14.55	63	1413	0.25981 ppb	#	79
49)	1-Bromo-2-chloroethane	14.85	63	5149	0.30735 ppb	#	82
50)	Cis-1,3-Dichloropropene	14.96	75	8146	0.30504 ppb	#	81
51)	Toluene	15.59	91	25389	0.33852 ppb		89
52)	Trans-1,3-Dichloropropene	15.77	75	6119	0.31773 ppb		83
53)	1,1,2-TCA	16.04	83	3168	0.32845 ppb	#	64
56)	1,2-EDB	17.30	107	3286	0.28489 ppb	#	94
57)	Tetrachloroethene	16.74	164	4697	0.26648 ppb		84
58)	1-Chlorohexane	17.66	91	8665	0.33271 ppb		87
59)	1,1,1,2-Tetrachloroethane	18.12	131	4684	0.26877 ppb	#	63
60)	m&p-Xylene	18.31	106	19285	0.57274 ppb		91
61)	o-Xylene	19.06	106	10283	0.31021 ppb		95
62)	Styrene	19.08	104	14983	0.28715 ppb		90
64)	2-Hexanone	16.09	43	712	0.14310 ppb		98
65)	1,3-Dichloropropane	16.46	76	5678	0.28737 ppb		86
66)	Dibromochloromethane	16.93	129	3849	0.26996 ppb	#	14
67)	Chlorobenzene	18.06	112	15410	0.30628 ppb		96
68)	Ethylbenzene	18.18	91	26912	0.31684 ppb		92
69)	Bromoform	19.58	173	2650	0.31440 ppb	#	69
71)	MIBK (methyl isobutyl keto	14.65	43	2964	0.36849 ppb	#	66
72)	Isopropylbenzene	19.69	105	24102	0.31312 ppb		98
73)	1,1,2,2-Tetrachloroethane	19.85	83	3077	0.27949 ppb		81
74)	1,2,3-Trichloropropane	20.10	110	385	0.34922 ppb		99
75)	t-1,4-Dichloro-2-Butene	20.19	53	447	0.17454 ppb	#	21
76)	Bromobenzene	20.43	156	9319	-0.69410 ppb	#	67
77)	n-Propylbenzene	20.40	91	28788	0.31244 ppb		93
78)	4-Ethyltoluene	20.59	105	16719	0.30369 ppb		87
79)	2-Chlorotoluene	20.69	91	19225	0.30872 ppb		91
80)	1,3,5-Trimethylbenzene	20.67	105	20549	0.32250 ppb		96
81)	4-Chlorotoluene	20.77	91	18136	0.32364 ppb		86
82)	Tert-Butylbenzene	21.31	119	21543	0.32037 ppb	#	88
83)	1,2,4-Trimethylbenzene	21.37	105	22305	0.33783 ppb		82
84)	Sec-Butylbenzene	21.71	105	26452	0.30706 ppb		93
85)	p-Isopropyltoluene	21.94	119	22685	0.32302 ppb		99
86)	Benzyl Chloride	22.38	91	6098	0.32483 ppb		97
87)	1,3-DCB	22.08	146	12400	0.30774 ppb		96
88)	1,4-DCB	22.25	146	12364	0.31710 ppb		94
89)	Hexachloroethane	23.54	117	2558	0.19049 ppb	#	37
90)	n-Butylbenzene	22.65	91	19232	0.31499 ppb		96
91)	1,2-DCB	22.89	146	10620	0.29492 ppb		88
92)	1,2-Dibromo-3-chloropropan	24.11	155	681	0.36124 ppb	#	40
93)	1,2,4-Trichlorobenzene	25.55	180	3581	0.32085 ppb		79
94)	Hexachlorobutadiene	25.80	223	4885	-1.06732 ppb		80
95)	Naphthalene	25.90	128	11878	0.29413 ppb		96
96)	1,2,3-Trichlorobenzene	26.26	180	2811	0.29543 ppb		98

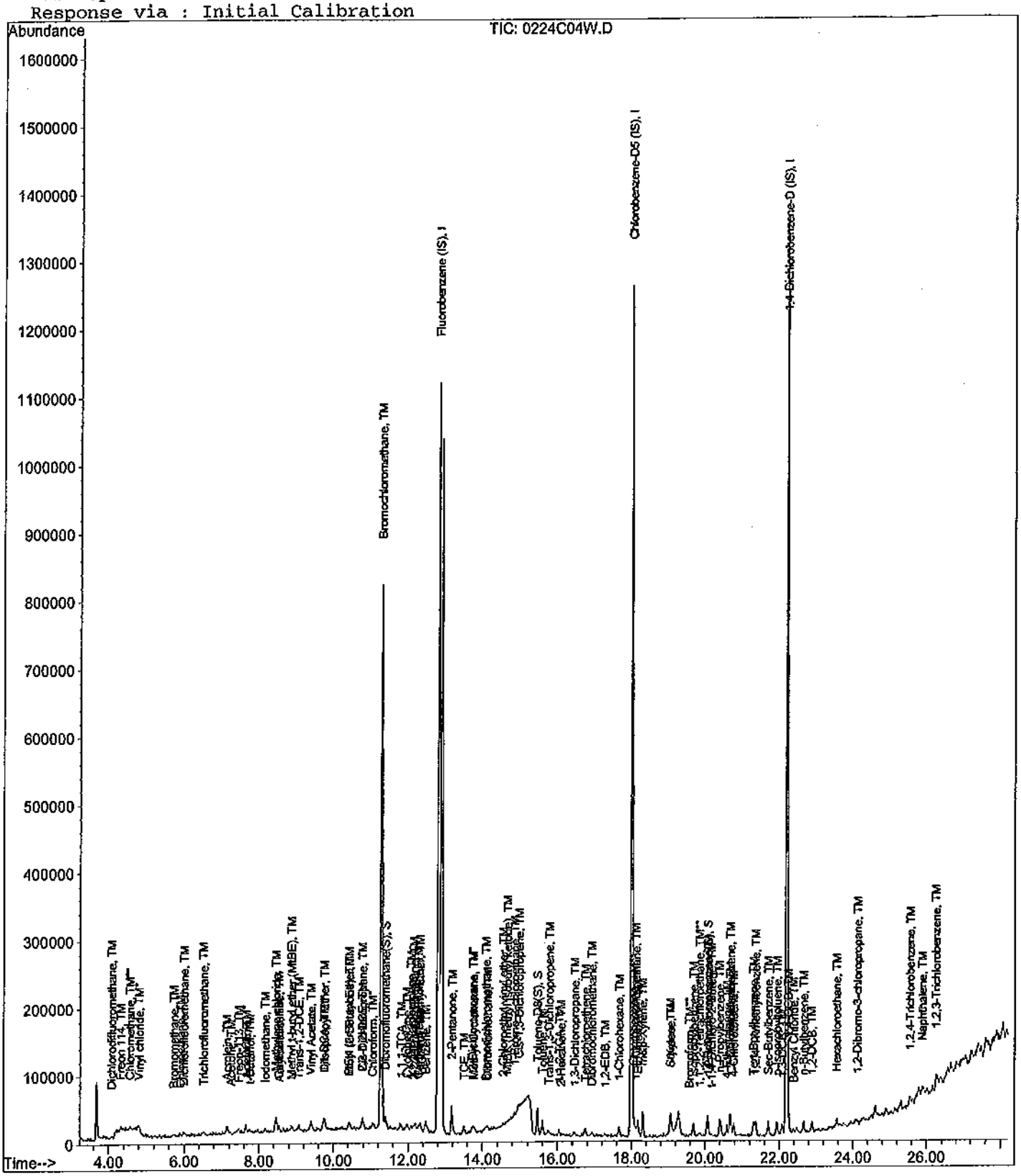
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120224\0224C04W.D Vial: 1
Acq On : 24 Feb 12 11:37 Operator: RS, ARS
Sample : 0.3ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Tue Feb 28 08:57:24 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C05W.D Vial: 1
Acq On : 24 Feb 12 12:13 Operator: RS, ARS
Sample : 0.5ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	12.81	96	572982	25.00000 ppb		0.00
54) Chlorobenzene-D5 (IS)	18.00	117	473856	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	22.20	152	255616	25.00000 ppb		0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.39	111	19482	1.05045 ppb		0.00
Spiked Amount 22.609			Recovery =	4.644%		
37) 1,2-DCA-D4(S)	12.20	65	17235	1.12735 ppb		0.00
Spiked Amount 21.606			Recovery =	5.216%		
55) Toluene-D8(S)	15.46	98	66673	1.04326 ppb		0.00
Spiked Amount 24.195			Recovery =	4.311%		
63) 4-Bromofluorobenzene(S)	20.07	95	28277	1.11923 ppb		0.00
Spiked Amount 23.751			Recovery =	4.711%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.09	85	7788	0.43998 ppb		91
3) Freon 114	4.35	85	4306	0.42926 ppb		74
4) Chloromethane	4.56	50	3459	0.55587 ppb		92
5) Vinyl chloride	4.82	62	2857	0.60981 ppb	#	79
6) Bromomethane	5.72	94	2091	0.52738 ppb		72
7) Chloroethane	5.90	64	1751	0.49732 ppb	#	83
8) Dichlorofluoromethane	6.01	67	19927	0.54312 ppb		95
9) Trichlorofluoromethane	6.51	103	2369	0.57103 ppb		82
10) Acetonitrile	7.64	41	24352	27.37482 ug/l		100
11) Acrolein	7.14	56	30393	26.22073 ppb		99
12) Acetone	7.29	43	2375	0.77540 ppb	#	56
13) Freon-113	7.45	101	7035	0.47654 ppb	#	84
14) 1,1-DCE	7.67	96	10653	0.64081 ppb		93
15) t-Butanol	7.75	59	3009	27.50315 ppb	#	90
16) Methyl Acetate	8.19	43	5415	0.14137 ppb		90
17) Iodomethane	8.14	142	6640	0.25027 ppb	#	82
18) Acrylonitrile	8.55	53	1730	0.63350 ppb		84
19) Methylene chloride	8.46	84	20976	1.15363 ppb		99
20) Carbon disulfide	8.55	76	6277	0.44863 ppb		100
21) Methyl t-butyl ether (MtBE	8.89	73	17815	0.52356 ppb	#	89
22) Trans-1,2-DCE	9.08	96	13376	0.64070 ppb	#	63
23) Diisopropyl Ether	9.73	45	34773	0.56514 ppb	#	77
24) 1,1-DCA	9.76	63	15868	0.49275 ppb	#	90
25) Vinyl Acetate	9.40	43	3102	0.36740 ppb		100
26) Ethyl tert Butyl Ether	10.42	59	24641	0.52776 ppb		90
27) MEK (2-Butanone)	10.41	43	1233	0.57659 ppb		100
28) Cis-1,2-DCE	10.78	96	14574	0.64121 ppb		83
29) 2,2-Dichloropropane	10.79	77	14503	0.57073 ppb		94
30) Chloroform	11.07	85	10920	0.50656 ppb		99
31) Bromochloromethane	11.28	128	3934	0.47345 ppb	#	23
33) 1,1,1-TCA	11.82	97	13894	0.50080 ppb		99
34) Cyclohexane	11.97	56	12946	0.50995 ppb		88
35) 1,1-Dichloropropene	12.08	75	12662	0.53326 ppb	#	89
36) 2,2,4-Trimethylpentane	12.15	57	18050	0.43416 ppb		96
38) Carbon Tetrachloride	12.26	117	11525	0.50415 ppb	#	84
39) Tert Amyl Methyl Ether	12.31	73	22295	0.57720 ppb	#	90
40) 1,2-DCA	12.35	62	8967	0.50925 ppb		94
41) Benzene	12.47	78	37985	0.51550 ppb		97
42) TCE	13.49	95	10154	0.53342 ppb		79

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

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C05W.D Vial: 1
Acq On : 24 Feb 12 12:13 Operator: RS, ARS
Sample : 0.5ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	2-Pentanone	13.17	43	149142	26.92595 ppb		95
44)	1,2-Dichloropropane	13.73	63	9506	0.53013 ppb	#	84
45)	Bromodichloromethane	14.07	83	10580	0.49107 ppb		83
46)	Methyl Cyclohexane	13.79	83	9673	0.43112 ppb		90
47)	Dibromomethane	14.14	93	4124	0.46863 ppb		94
48)	2-Chloroethyl vinyl ether	14.54	63	2872	0.52636 ppb	#	87
49)	1-Bromo-2-chloroethane	14.85	63	8383	0.49876 ppb		98
50)	Cis-1,3-Dichloropropene	14.97	75	15935	0.59477 ppb		97
51)	Toluene	15.60	91	38873	0.51661 ppb		99
52)	Trans-1,3-Dichloropropene	15.76	75	9480	0.49065 ppb	#	71
53)	1,1,2-TCA	16.04	83	4912	0.50761 ppb	#	76
56)	1,2-EDB	17.29	107	5658	0.48590 ppb	#	91
57)	Tetrachloroethene	16.75	164	9507	0.53426 ppb		97
58)	1-Chlorohexane	17.67	91	13165	0.50072 ppb	#	78
59)	1,1,1,2-Tetrachloroethane	18.11	131	8628	0.49039 ppb	#	66
60)	m&p-Xylene	18.33	106	33967	0.99924 ppb		70
61)	o-Xylene	19.06	106	16951	0.50653 ppb		98
62)	Styrene	19.08	104	27329	0.51881 ppb		89
64)	2-Hexanone	16.09	43	2260	0.44992 ppb	#	42
65)	1,3-Dichloropropane	16.46	76	9694	0.48598 ppb		88
66)	Dibromochloromethane	16.93	129	6313	0.43859 ppb		78
67)	Chlorobenzene	18.07	112	25696	0.50589 ppb		90
68)	Ethylbenzene	18.17	91	45759	0.53363 ppb		97
69)	Bromoform	19.60	173	3394	0.39886 ppb	#	72
71)	MIBK (methyl isobutyl keto	14.66	43	4917	0.60594 ppb		95
72)	Isopropylbenzene	19.69	105	41555	0.53514 ppb		97
73)	1,1,2,2-Tetrachloroethane	19.86	83	5834	0.52526 ppb	#	71
74)	1,2,3-Trichloropropane	20.13	110	583	0.52419 ppb	#	72
75)	t-1,4-Dichloro-2-Butene	20.18	53	1203	0.46561 ppb	#	40
76)	Bromobenzene	20.44	156	11516	-0.58478 ppb		84
77)	n-Propylbenzene	20.40	91	49631	0.53393 ppb		94
78)	4-Ethyltoluene	20.59	105	27968	0.50357 ppb		98
79)	2-Chlorotoluene	20.70	91	35891	0.57129 ppb		98
80)	1,3,5-Trimethylbenzene	20.67	105	33988	0.52873 ppb		93
81)	4-Chlorotoluene	20.77	91	30262	0.53530 ppb		91
82)	Tert-Butylbenzene	21.32	119	35483	0.52305 ppb		89
83)	1,2,4-Trimethylbenzene	21.37	105	34743	0.52160 ppb		94
84)	Sec-Butylbenzene	21.71	105	47477	0.54629 ppb		98
85)	p-Isopropyltoluene	21.94	119	37073	0.52328 ppb		96
86)	Benzyl Chloride	22.39	91	9285	0.49025 ppb	#	83
87)	1,3-DCB	22.09	146	20665	0.50836 ppb		91
88)	1,4-DCB	22.24	146	19942	0.50696 ppb		90
89)	Hexachloroethane	23.56	117	5330	0.39343 ppb	#	79
90)	n-Butylbenzene	22.65	91	31778	0.51592 ppb		94
91)	1,2-DCB	22.89	146	19692	0.54205 ppb		91
92)	1,2-Dibromo-3-chloropropan	24.08	155	732	0.38489 ppb	#	30
93)	1,2,4-Trichlorobenzene	25.54	180	5662	0.50285 ppb		88
94)	Hexachlorobutadiene	25.79	223	6756	-0.87402 ppb	#	63
95)	Naphthalene	25.90	128	23628	0.57996 ppb		100
96)	1,2,3-Trichlorobenzene	26.26	180	4986	0.51943 ppb		94

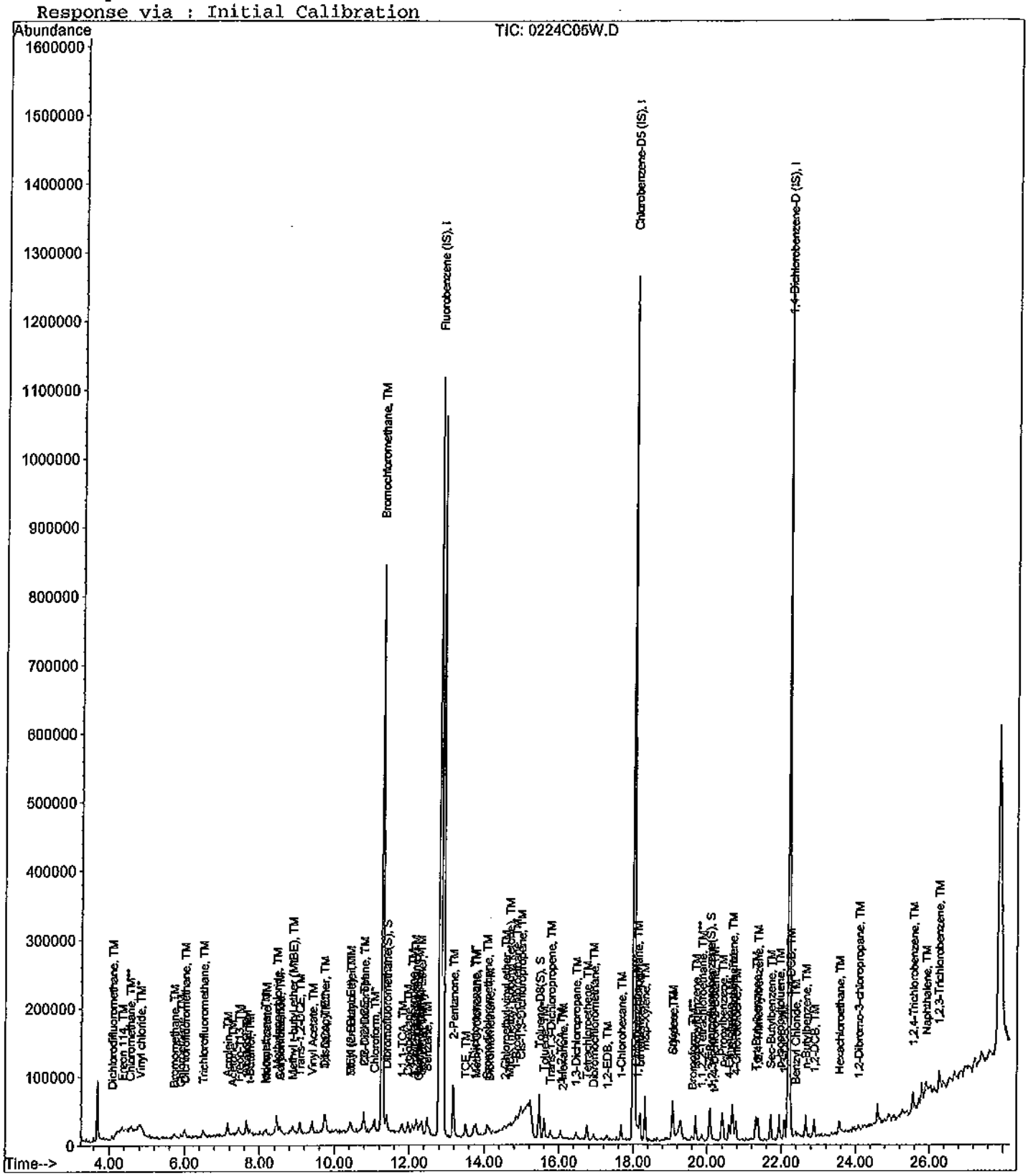
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120224\0224C05W.D Vial: 1
Acq On : 24 Feb 12 12:13 Operator: RS, ARS
Sample : 0.5ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Tue Feb 28 08:57:24 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C06W.D Vial: 1
Acq On : 24 Feb 12 12:50 Operator: RS, ARS
Sample : 1.0ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	12.81	96	593454	25.00000	ppb		0.00
54) Chlorobenzene-D5 (IS)	18.00	117	459072	25.00000	ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	22.20	152	252288	25.00000	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	11.40	111	36411	1.89552	ppb		0.00
Spiked Amount 22.609			Recovery = 8.386%				
37) 1,2-DCA-D4(S)	12.20	65	31606	1.99604	ppb		0.00
Spiked Amount 21.606			Recovery = 9.238%				
55) Toluene-D8(S)	15.47	98	130154	2.10215	ppb		0.00
Spiked Amount 24.195			Recovery = 8.688%				
63) 4-Bromofluorobenzene(S)	20.07	95	53163	2.17200	ppb		0.00
Spiked Amount 23.751			Recovery = 9.145%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	4.09	85	18500	1.00909	ppb		97
3) Freon 114	4.33	85	9810	0.94420	ppb		100
4) Chloromethane	4.56	50	6552	1.01659	ppb	#	75
5) Vinyl chloride	4.82	62	4936	1.01721	ppb	#	79
6) Bromomethane	5.72	94	3392	0.82600	ppb		75
7) Chloroethane	5.92	64	4063	1.11418	ppb		96
8) Dichlorofluoromethane	6.01	67	37681	0.99159	ppb		96
9) Trichlorofluoromethane	6.52	103	4248	0.98862	ppb		100
10) Acetonitrile	7.65	41	51519	55.91624	ug/l		100
11) Acrolein	7.15	56	59695	49.72366	ppb		96
12) Acetone	7.27	43	3608	1.35860	ppb		98
13) Freon-113	7.45	101	14530	0.95028	ppb		97
14) 1,1-DCE	7.66	96	15638	0.90822	ppb		87
15) t-Butanol	7.75	59	5634	49.71998	ppb	#	83
16) Methyl Acetate	8.19	43	10438	0.79970	ppb		98
17) Iodomethane	8.16	142	15570	0.55787	ppb		95
18) Acrylonitrile	8.56	53	2235	0.79019	ppb	#	67
19) Methylene chloride	8.46	84	30149	1.60093	ppb		92
20) Carbon disulfide	8.55	76	12774	0.88149	ppb		96
21) Methyl t-butyl ether (MtBE	8.90	73	35333	1.00257	ppb		93
22) Trans-1,2-DCE	9.09	96	21824	1.00930	ppb		95
23) Diisopropyl Ether	9.74	45	63419	0.99514	ppb		94
24) 1,1-DCA	9.77	63	34596	1.03725	ppb	#	92
25) Vinyl Acetate	9.40	43	4794	0.86280	ppb	#	79
26) Ethyl tert Butyl Ether	10.42	59	47543	0.98315	ppb		91
27) MEK (2-Butanone)	10.43	43	2585	1.16713	ppb		93
28) Cis-1,2-DCE	10.79	96	22197	0.94291	ppb		90
29) 2,2-Dichloropropane	10.79	77	26413	1.00356	ppb		93
30) Chloroform	11.07	85	21552	0.96528	ppb		92
31) Bromochloromethane	11.29	128	8131	0.94479	ppb	#	54
33) 1,1,1-TCA	11.82	97	28729	0.99979	ppb		95
34) Cyclohexane	11.98	56	23175	0.88138	ppb		87
35) 1,1-Dichloropropene	12.08	75	23682	0.96296	ppb		98
36) 2,2,4-Trimethylpentane	12.16	57	40534	0.94133	ppb		89
38) Carbon Tetrachloride	12.27	117	22174	0.93652	ppb		97
39) Tert Amyl Methyl Ether	12.32	73	39471	0.98662	ppb	#	91
40) 1,2-DCA	12.36	62	18678	1.02416	ppb		99
41) Benzene	12.47	78	77572	1.01642	ppb		95
42) TCE	13.50	95	19084	0.96795	ppb		83

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

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C06W.D Vial: 1
Acq On : 24 Feb 12 12:50 Operator: RS, ARS
Sample : 1.0ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43) 2-Pentanone	13.17	43	282965	49.32394 ppb		99
44) 1,2-Dichloropropane	13.73	63	17327	0.93295 ppb		99
45) Bromodichloromethane	14.08	83	20861	0.93487 ppb	#	87
46) Methyl Cyclohexane	13.79	83	21371	0.91963 ppb		99
47) Dibromomethane	14.15	93	8811	0.96669 ppb		83
48) 2-Chloroethyl vinyl ether	14.54	63	5566	0.98490 ppb	#	86
49) 1-Bromo-2-chloroethane	14.84	63	15641	0.89848 ppb		90
50) Cis-1,3-Dichloropropene	14.97	75	26727	0.96317 ppb		94
51) Toluene	15.61	91	74310	0.95349 ppb		92
52) Trans-1,3-Dichloropropene	15.77	75	18733	0.93610 ppb		86
53) 1,1,2-TCA	16.05	83	10550	1.05263 ppb		73
56) 1,2-EDB	17.29	107	10897	0.96596 ppb	#	99
57) Tetrachloroethene	16.76	164	17704	1.02695 ppb		88
58) 1-Chlorohexane	17.67	91	23778	0.93350 ppb		96
59) 1,1,1,2-Tetrachloroethane	18.12	131	17309	1.01548 ppb		94
60) m&p-Xylene	18.33	106	64693	1.96442 ppb		92
61) o-Xylene	19.06	106	32550	1.00398 ppb		88
62) Styrene	19.08	104	50281	0.98526 ppb		100
64) 2-Hexanone	16.07	43	6098	1.25310 ppb	#	54
65) 1,3-Dichloropropane	16.46	76	19724	1.02065 ppb		95
66) Dibromochloromethane	16.93	129	12586	0.90256 ppb		83
67) Chlorobenzene	18.07	112	49420	1.00430 ppb		94
68) Ethylbenzene	18.17	91	83386	1.00375 ppb		94
69) Bromoform	19.61	173	6521	0.79102 ppb		82
71) MIBK (methyl isobutyl keto	14.65	43	7784	0.97191 ppb		90
72) Isopropylbenzene	19.70	105	77439	1.01040 ppb		98
73) 1,1,2,2-Tetrachloroethane	19.86	83	11318	1.03246 ppb	#	74
74) 1,2,3-Trichloropropane	20.11	110	971	0.88457 ppb		99
75) t-1,4-Dichloro-2-Butene	20.18	53	2468	0.96782 ppb		96
77) n-Propylbenzene	20.40	91	93794	1.02235 ppb		96
78) 4-Ethyltoluene	20.60	105	56721	1.03474 ppb		98
79) 2-Chlorotoluene	20.70	91	64809	1.04520 ppb		95
80) 1,3,5-Trimethylbenzene	20.68	105	66258	1.04434 ppb		96
81) 4-Chlorotoluene	20.77	91	57518	1.03084 ppb		96
82) Tert-Butylbenzene	21.32	119	71103	1.06195 ppb		97
83) 1,2,4-Trimethylbenzene	21.37	105	64539	0.98172 ppb		99
84) Sec-Butylbenzene	21.71	105	90629	1.05658 ppb		98
85) p-Isopropyltoluene	21.95	119	73200	1.04683 ppb		99
86) Benzyl Chloride	22.38	91	18238	0.97568 ppb		94
87) 1,3-DCB	22.09	146	41426	1.03252 ppb		94
88) 1,4-DCB	22.25	146	39746	1.02375 ppb		93
89) Hexachloroethane	23.56	117	11075	0.82828 ppb	#	39
90) n-Butylbenzene	22.66	91	60087	0.98839 ppb		95
91) 1,2-DCB	22.88	146	37387	1.04271 ppb		98
92) 1,2-Dibromo-3-chloropropan	24.10	155	2125	1.13209 ppb		94
93) 1,2,4-Trichlorobenzene	25.55	180	11253	1.01258 ppb		90
94) Hexachlorobutadiene	25.80	223	16915	0.22396 ppb		91
95) Naphthalene	25.90	128	38229	0.95073 ppb		98
96) 1,2,3-Trichlorobenzene	26.26	180	9115	0.96210 ppb		92

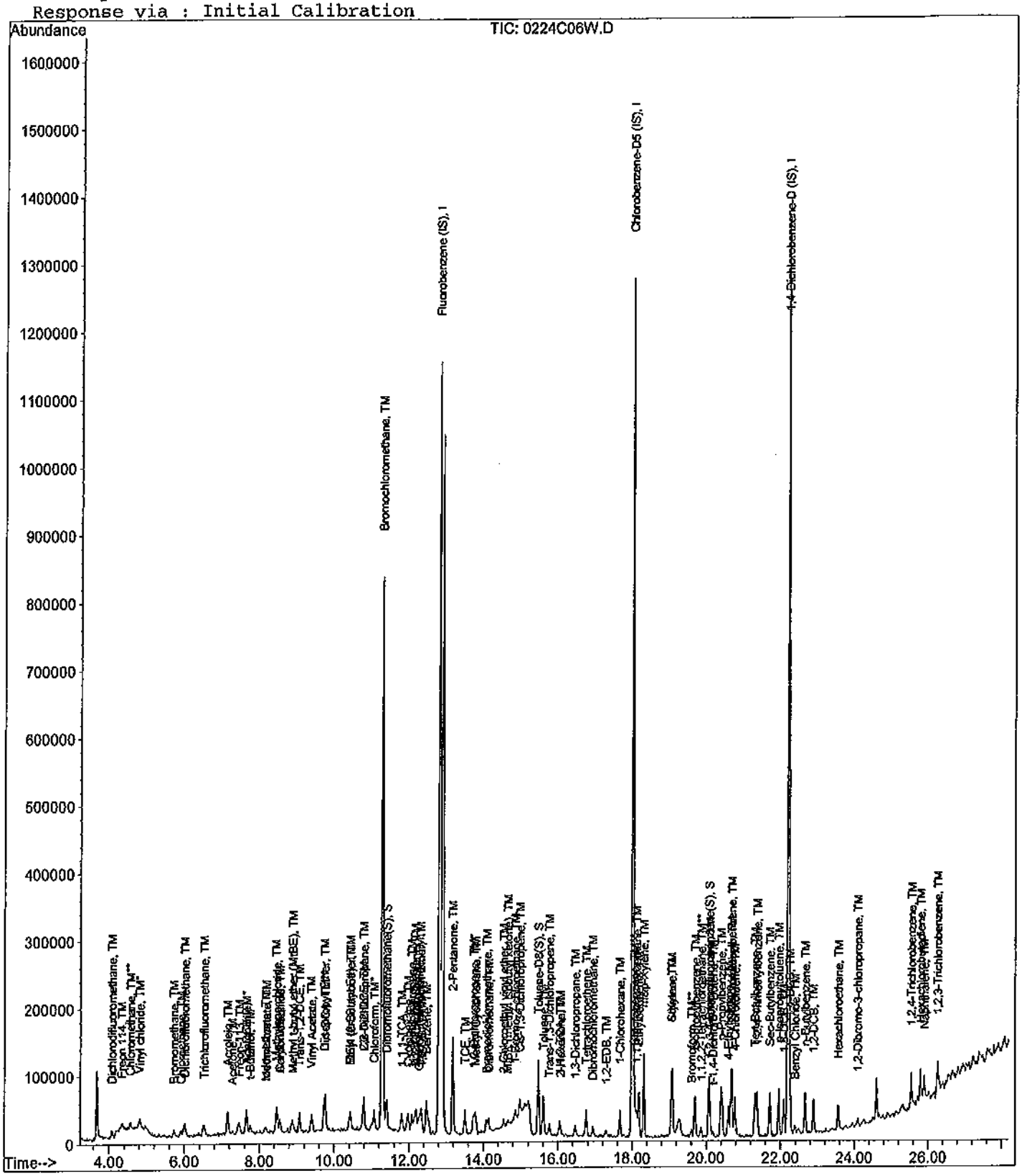
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120224\0224C06W.D Vial: 1
Acq On : 24 Feb 12 12:50 Operator: RS, ARS
Sample : 1.0ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Tue Feb 28 08:57:24 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C07W.D Vial: 1
Acq On : 24 Feb 12 13:27 Operator: RS, ARS
Sample : 5.0ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	12.82	96	564063	25.00000 ppb		0.00
54) Chlorobenzene-D5 (IS)	18.00	117	461184	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	22.20	152	263040	25.00000 ppb		0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.40	111	192344	10.53497 ppb		0.00
Spiked Amount 22.609			Recovery =	46.596%		
37) 1,2-DCA-D4(S)	12.20	65	161705	10.74441 ppb		0.00
Spiked Amount 21.606			Recovery =	49.727%		
55) Toluene-D8(S)	15.47	98	638273	10.26172 ppb		0.00
Spiked Amount 24.195			Recovery =	42.413%		
63) 4-Bromofluorobenzene(S)	20.07	95	252574	10.27177 ppb		0.00
Spiked Amount 23.751			Recovery =	43.249%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.08	85	79816	4.58046 ppb		98
3) Freon 114	4.33	85	56843	5.75615 ppb		88
4) Chloromethane	4.57	50	28707	4.68619 ppb		99
5) Vinyl chloride	4.83	62	23920	5.18629 ppb		92
6) Bromomethane	5.73	94	19210	4.92163 ppb		99
7) Chloroethane	5.91	64	19000	5.48177 ppb		99
8) Dichlorofluoromethane	6.01	67	206075	5.70552 ppb		98
9) Trichlorofluoromethane	6.51	103	21520	5.26921 ppb		100
10) Acetonitrile	7.64	41	91368	104.33359 ug/l		100
11) Acrolein	7.15	56	119445	104.67731 ppb		97
12) Acetone	7.27	43	11390	5.61295 ppb		99
13) Freon-113	7.45	101	84642	5.82413 ppb		98
14) 1,1-DCE	7.66	96	87340	5.33680 ppb		93
15) t-Butanol	7.77	59	11661	108.27030 ppb		98
16) Methyl Acetate	8.18	43	43520	5.61834 ppb		100
17) Iodomethane	8.15	142	131910	4.91787 ppb	#	90
18) Acrylonitrile	8.55	53	14800	5.50522 ppb	#	66
19) Methylene chloride	8.45	84	110091	6.15050 ppb		97
20) Carbon disulfide	8.54	76	82560	5.99402 ppb		100
21) Methyl t-butyl ether (MtBE	8.89	73	189742	5.66447 ppb		98
22) Trans-1,2-DCE	9.08	96	109006	5.30389 ppb		91
23) Diisopropyl Ether	9.74	45	335391	5.53702 ppb		96
24) 1,1-DCA	9.77	63	176890	5.57983 ppb		97
25) Vinyl Acetate	9.40	43	17632	5.17300 ppb		96
26) Ethyl tert Butyl Ether	10.43	59	259478	5.64535 ppb		98
27) MEK (2-Butanone)	10.43	43	11210	5.32505 ppb		93
28) Cis-1,2-DCE	10.80	96	123488	5.51900 ppb		96
29) 2,2-Dichloropropane	10.79	77	140517	5.61713 ppb		100
30) Chloroform	11.08	85	121394	5.72034 ppb		96
31) Bromochloromethane	11.30	128	47334	5.78661 ppb		95
33) 1,1,1-TCA	11.81	97	150077	5.49491 ppb		95
34) Cyclohexane	11.98	56	139865	5.59643 ppb		97
35) 1,1-Dichloropropene	12.08	75	127230	5.44300 ppb		95
36) 2,2,4-Trimethylpentane	12.15	57	223720	5.46623 ppb		98
38) Carbon Tetrachloride	12.28	117	127339	5.65842 ppb		92
39) Tert Amyl Methyl Ether	12.32	73	208727	5.48923 ppb		93
40) 1,2-DCA	12.35	62	100008	5.76943 ppb		97
41) Benzene	12.48	78	403180	5.55812 ppb		100
42) TCE	13.50	95	106833	5.70096 ppb		93

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

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C07W.D Vial: 1
Acq On : 24 Feb 12 13:27 Operator: RS, ARS
Sample : 5.0ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	2-Pentanone	13.18	43	588243	107.88007 ppb		99
44)	1,2-Dichloropropane	13.73	63	99710	5.64852 ppb		97
45)	Bromodichloromethane	14.08	83	120790	5.69514 ppb		97
46)	Methyl Cyclohexane	13.79	83	126128	5.71032 ppb		99
47)	Dibromomethane	14.14	93	51664	5.96360 ppb		99
48)	2-Chloroethyl vinyl ether	14.55	63	27090	5.04333 ppb	#	87
49)	1-Bromo-2-chloroethane	14.86	63	95170	5.75179 ppb		86
50)	Cis-1,3-Dichloropropene	14.97	75	143260	5.43172 ppb		98
51)	Toluene	15.60	91	413793	5.58615 ppb		95
52)	Trans-1,3-Dichloropropene	15.78	75	106933	5.62195 ppb		98
53)	1,1,2-TCA	16.05	83	53911	5.65926 ppb		98
56)	1,2-EDB	17.30	107	63170	5.57403 ppb	#	94
57)	Tetrachloroethene	16.75	164	96553	5.57506 ppb		94
58)	1-Chlorohexane	17.67	91	134225	5.24542 ppb		96
59)	1,1,1,2-Tetrachloroethane	18.13	131	97090	5.66999 ppb		94
60)	m&p-Xylene	18.32	106	349881	10.57556 ppb		99
61)	o-Xylene	19.07	106	180222	5.53335 ppb		96
62)	Styrene	19.09	104	282989	5.51979 ppb		92
64)	2-Hexanone	16.09	43	24691	5.05059 ppb		85
65)	1,3-Dichloropropane	16.46	76	111948	5.76641 ppb		96
66)	Dibromochloromethane	16.94	129	79381	5.66646 ppb		98
67)	Chlorobenzene	18.07	112	272523	5.51275 ppb		98
68)	Ethylbenzene	18.19	91	443644	5.31586 ppb		99
69)	Bromoform	19.60	173	44044	5.31825 ppb		98
71)	MIBK (methyl isobutyl keto	14.66	43	39149	4.68833 ppb		90
72)	Isopropylbenzene	19.70	105	428645	5.36419 ppb		99
73)	1,1,2,2-Tetrachloroethane	19.86	83	64301	5.62594 ppb		98
74)	1,2,3-Trichloropropane	20.11	110	6234	5.44694 ppb		84
75)	t-1,4-Dichloro-2-Butene	20.18	53	13490	5.07381 ppb		79
76)	Bromobenzene	20.44	156	123644	5.03170 ppb		91
77)	n-Propylbenzene	20.40	91	516600	5.40077 ppb		99
78)	4-Ethyltoluene	20.59	105	298122	5.21624 ppb		91
79)	2-Chlorotoluene	20.69	91	351555	5.43794 ppb		92
80)	1,3,5-Trimethylbenzene	20.67	105	352983	5.33620 ppb		99
81)	4-Chlorotoluene	20.78	91	307115	5.27915 ppb		100
82)	Tert-Butylbenzene	21.31	119	371716	5.32478 ppb		96
83)	1,2,4-Trimethylbenzene	21.38	105	367229	5.35767 ppb		95
84)	Sec-Butylbenzene	21.72	105	465715	5.20749 ppb		98
85)	p-Isopropyltoluene	21.95	119	378274	5.18855 ppb		97
86)	Benzyl Chloride	22.38	91	95453	4.89774 ppb		99
87)	1,3-DCB	22.09	146	224970	5.37806 ppb		97
88)	1,4-DCB	22.26	146	214319	5.29462 ppb		95
89)	Hexachloroethane	23.56	117	69435	4.98065 ppb		100
90)	n-Butylbenzene	22.66	91	337652	5.32710 ppb		96
91)	1,2-DCB	22.89	146	201152	5.38075 ppb		97
92)	1,2-Dibromo-3-chloropropan	24.10	155	9648	4.92984 ppb		87
93)	1,2,4-Trichlorobenzene	25.55	180	62848	5.42412 ppb		99
94)	Hexachlorobutadiene	25.80	223	55145	4.07883 ppb		93
95)	Naphthalene	25.90	128	230346	5.49441 ppb		98
96)	1,2,3-Trichlorobenzene	26.26	180	53416	5.40768 ppb		99

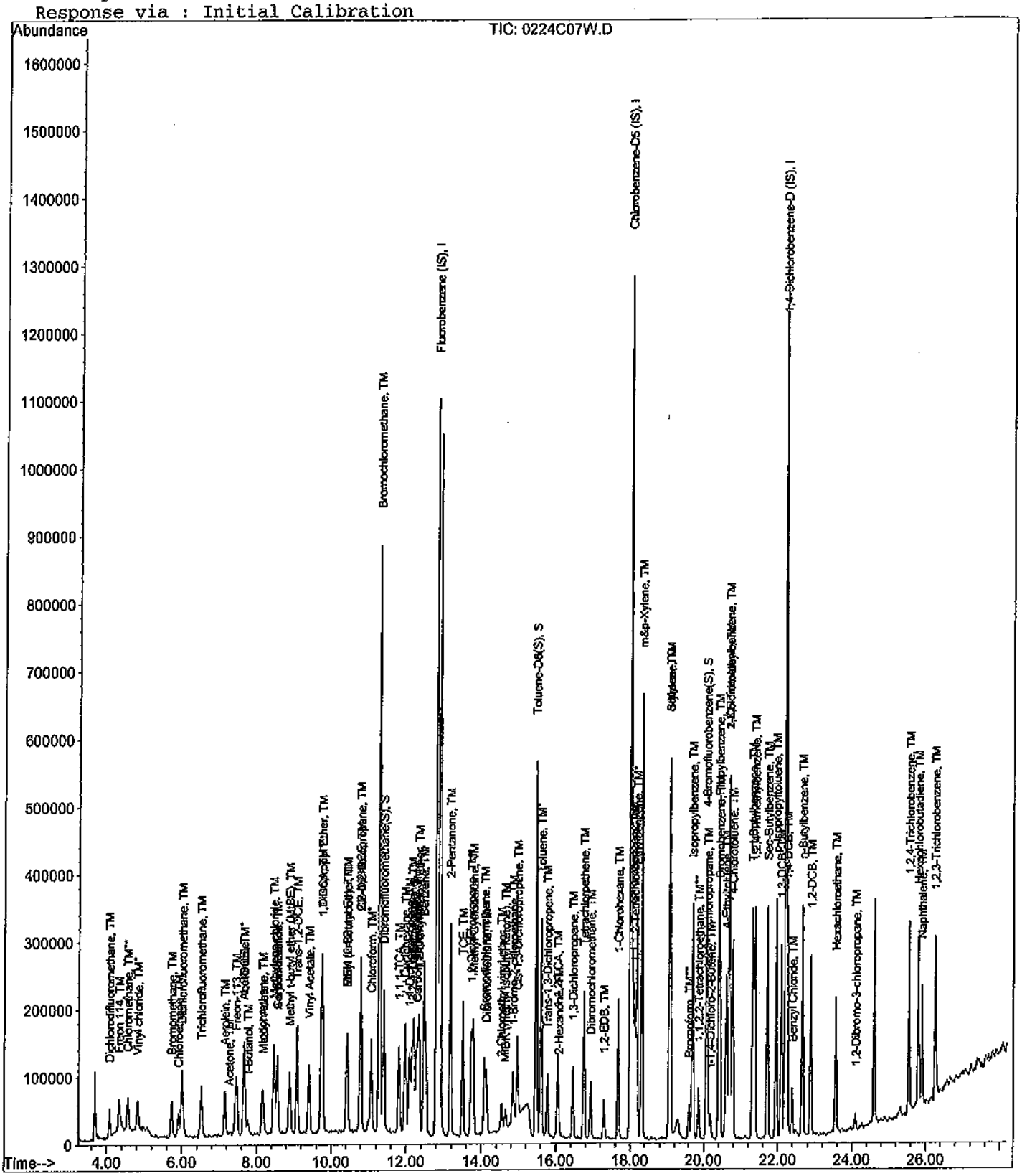
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120224\0224C07W.D Vial: 1
Acq On : 24 Feb 12 13:27 Operator: RS, ARS
Sample : 5.0ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Tue Feb 28 08:57:24 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C08W.D Vial: 1
Acq On : 24 Feb 12 14:04 Operator: RS, ARS
Sample : 10ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.81	96	582452	25.00000	ppb	0.00
54) Chlorobenzene-D5 (IS)	18.00	117	462400	25.00000	ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	22.20	152	261824	25.00000	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.40	111	476434	25.27114	ppb	0.00
Spiked Amount 22.609			Recovery = 111.773%			
37) 1,2-DCA-D4(S)	12.20	65	383534	24.67918	ppb	0.00
Spiked Amount 21.606			Recovery = 114.224%			
55) Toluene-D8(S)	15.47	98	1566105	25.11255	ppb	0.00
Spiked Amount 24.195			Recovery = 103.793%			
63) 4-Bromofluorobenzene(S)	20.07	95	592066	24.01503	ppb	0.00
Spiked Amount 23.751			Recovery = 101.113%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.09	85	196805	10.93762	ppb	100
3) Freon 114	4.34	85	107858	10.57730	ppb	100
4) Chloromethane	4.57	50	62653	9.90470	ppb	100
5) Vinyl chloride	4.81	62	41320	8.67608	ppb	100
6) Bromomethane	5.73	94	41704	10.34730	ppb	100
7) Chloroethane	5.92	64	37340	10.43300	ppb	100
8) Dichlorofluoromethane	6.00	67	391456	10.49591	ppb	100
9) Trichlorofluoromethane	6.52	103	46504	11.02710	ppb	100
10) Acetonitrile	7.65	41	107419	118.78965	ug/l	100
11) Acrolein	7.15	56	144348	122.50754	ppb	100
12) Acetone	7.28	43	19716	9.72987	ppb	100
13) Freon-113	7.44	101	165787	11.04747	ppb	100
14) 1,1-DCE	7.67	96	167743	9.92612	ppb	100
15) t-Butanol	7.75	59	16585	149.12707	ppb	100
16) Methyl Acetate	8.18	43	79517	10.42085	ppb	100
17) Iodomethane	8.15	142	293347	10.58330	ppb	100
18) Acrylonitrile	8.56	53	27694	9.97622	ppb	100
19) Methylene chloride	8.46	84	194042	10.49837	ppb	100
20) Carbon disulfide	8.55	76	158784	11.16407	ppb	100
21) Methyl t-butyl ether (MtBE	8.89	73	352967	10.20463	ppb	100
22) Trans-1,2-DCE	9.09	96	208643	9.83141	ppb	100
23) Diisopropyl Ether	9.74	45	639199	10.21947	ppb	100
24) 1,1-DCA	9.78	63	343449	10.49173	ppb	100
25) Vinyl Acetate	9.41	43	33144	9.94145	ppb	100
26) Ethyl tert Butyl Ether	10.42	59	480915	10.13273	ppb	100
27) MEK (2-Butanone)	10.41	43	20288	9.33308	ppb	100
28) Cis-1,2-DCE	10.79	96	235574	10.19601	ppb	100
29) 2,2-Dichloropropane	10.78	77	277381	10.73816	ppb	100
30) Chloroform	11.07	85	223219	10.18646	ppb	100
31) Bromochloromethane	11.29	128	86797	10.27598	ppb	100
33) 1,1,1-TCA	11.82	97	291363	10.33113	ppb	100
34) Cyclohexane	11.97	56	272790	10.57055	ppb	100
35) 1,1-Dichloropropene	12.08	75	249517	10.33751	ppb	100
36) 2,2,4-Trimethylpentane	12.15	57	451994	10.69506	ppb	100
38) Carbon Tetrachloride	12.28	117	246529	10.60888	ppb	100
39) Tert Amyl Methyl Ether	12.32	73	384615	9.79550	ppb	100
40) 1,2-DCA	12.35	62	187322	10.46536	ppb	100
41) Benzene	12.47	78	760362	10.15118	ppb	100
42) TCE	13.51	95	204924	10.59017	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C08W.D Vial: 1
Acq On : 24 Feb 12 14:04 Operator: RS, ARS
Sample : 10ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	2-Pentanone	13.17	43	712657	126.57050	ppb	100
44)	1,2-Dichloropropane	13.73	63	189723	10.40839	ppb	100
45)	Bromodichloromethane	14.09	83	230800	10.53845	ppb	100
46)	Methyl Cyclohexane	13.78	83	244205	10.70709	ppb	100
47)	Dibromomethane	14.14	93	99045	11.07186	ppb	100
48)	2-Chloroethyl vinyl ether	14.54	63	56691	10.22092	ppb	100
49)	1-Bromo-2-chloroethane	14.85	63	181758	10.63809	ppb	100
50)	Cis-1,3-Dichloropropene	14.98	75	268921	9.87426	ppb	100
51)	Toluene	15.60	91	782694	10.23267	ppb	100
52)	Trans-1,3-Dichloropropene	15.77	75	199753	10.17035	ppb	100
53)	1,1,2-TCA	16.04	83	98402	10.00353	ppb	100
56)	1,2-EDB	17.29	107	119204	10.49073	ppb	100
57)	Tetrachloroethene	16.76	164	180168	10.37571	ppb	100
58)	1-Chlorohexane	17.67	91	262039	10.21337	ppb	100
59)	1,1,1,2-Tetrachloroethane	18.12	131	178493	10.39646	ppb	100
60)	m&p-Xylene	18.32	106	669154	20.17276	ppb	100
61)	o-Xylene	19.06	106	339841	10.40669	ppb	100
62)	Styrene	19.08	104	545412	10.61046	ppb	100
64)	2-Hexanone	16.08	43	45905	9.36525	ppb	100
65)	1,3-Dichloropropane	16.46	76	205950	10.58053	ppb	100
66)	Dibromochloromethane	16.93	129	145581	10.36469	ppb	100
67)	Chlorobenzene	18.07	112	523203	10.55581	ppb	100
68)	Ethylbenzene	18.18	91	861844	10.29968	ppb	100
69)	Bromoform	19.60	173	83435	10.04816	ppb	100
71)	MIBK (methyl isobutyl keto	14.65	43	77906	9.37304	ppb	100
72)	Isopropylbenzene	19.70	105	829062	10.42332	ppb	100
73)	1,1,2,2-Tetrachloroethane	19.86	83	115741	10.17366	ppb	100
74)	1,2,3-Trichloropropane	20.11	110	12140	10.65656	ppb	100
75)	t-1,4-Dichloro-2-Butene	20.18	53	27850	10.52349	ppb	100
76)	Bromobenzene	20.44	156	226404	10.24716	ppb	100
77)	n-Propylbenzene	20.41	91	991105	10.40958	ppb	100
78)	4-Ethyltoluene	20.60	105	595190	10.46240	ppb	100
79)	2-Chlorotoluene	20.70	91	658785	10.23757	ppb	100
80)	1,3,5-Trimethylbenzene	20.68	105	672314	10.21088	ppb	100
81)	4-Chlorotoluene	20.77	91	583258	10.07246	ppb	100
82)	Tert-Butylbenzene	21.32	119	711272	10.23619	ppb	100
83)	1,2,4-Trimethylbenzene	21.37	105	702062	10.29027	ppb	100
84)	Sec-Butylbenzene	21.71	105	904752	10.16366	ppb	100
85)	p-Isopropyltoluene	21.95	119	736097	10.14347	ppb	100
86)	Benzyl Chloride	22.39	91	187064	9.64293	ppb	100
87)	1,3-DCB	22.09	146	433900	10.42084	ppb	100
88)	1,4-DCB	22.25	146	415969	10.32399	ppb	100
89)	Hexachloroethane	23.56	117	148825	10.72496	ppb	100
90)	n-Butylbenzene	22.66	91	663333	10.51394	ppb	100
91)	1,2-DCB	22.88	146	386366	10.38316	ppb	100
92)	1,2-Dibromo-3-chloropropan	24.10	155	17832	9.15393	ppb	100
93)	1,2,4-Trichlorobenzene	25.54	180	120760	10.47064	ppb	100
94)	Hexachlorobutadiene	25.80	223	113237	10.10308	ppb	100
95)	Naphthalene	25.90	128	424334	10.16858	ppb	100
96)	1,2,3-Trichlorobenzene	26.26	180	108036	10.98804	ppb	100

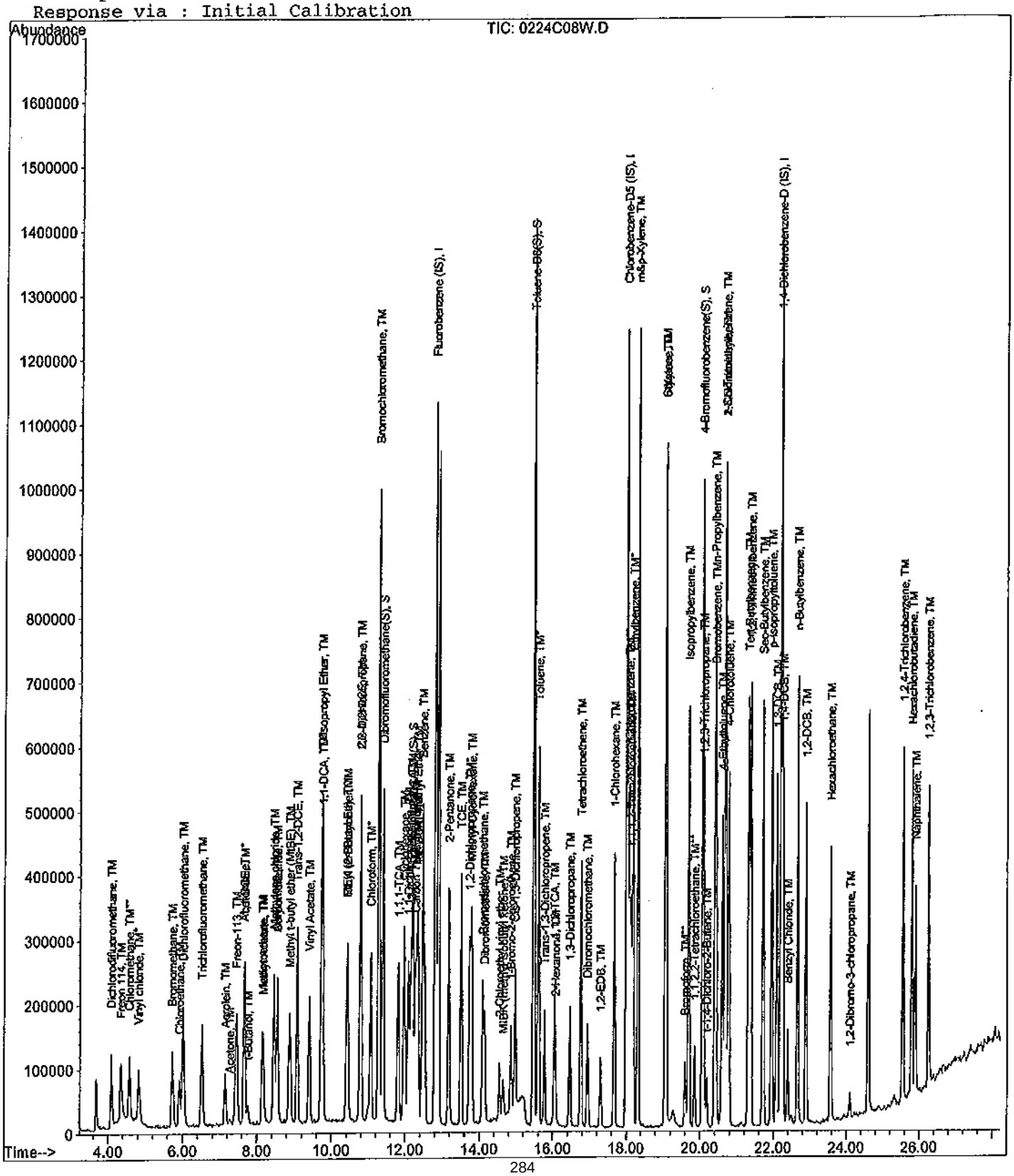
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120224\0224C08W.D Vial: 1
Acq On : 24 Feb 12 14:04 Operator: RS, ARS
Sample : 10ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Tue Feb 28 08:57:24 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C09W.D Vial: 1
Acq On : 24 Feb 12 14:41 Operator: RS, ARS
Sample : 40ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	12.81	96	607231	25.00000 ppb		0.00
54) Chlorobenzene-D5 (IS)	18.00	117	486400	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	22.20	152	276864	25.00000 ppb		0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.40	111	1511718	76.91289 ppb		0.00
Spiked Amount 22.609			Recovery = 340.183%			
37) 1,2-DCA-D4(S)	12.20	65	1185366	73.16198 ppb		0.00
Spiked Amount 21.606			Recovery = 338.621%			
55) Toluene-D8(S)	15.47	98	4929181	75.13961 ppb		0.00
Spiked Amount 24.195			Recovery = 310.556%			
63) 4-Bromofluorobenzene(S)	20.07	95	1908446	73.58972 ppb		0.00
Spiked Amount 23.751			Recovery = 309.844%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.09	85	850495	45.33825 ppb		95
3) Freon 114	4.34	85	491304	46.21457 ppb		89
4) Chloromethane	4.57	50	237202	35.96866 ppb		95
5) Vinyl chloride	4.80	62	178112	35.87259 ppb		92
6) Bromomethane	5.72	94	177984	42.35811 ppb		95
7) Chloroethane	5.92	64	144487	38.72306 ppb		96
8) Dichlorofluoromethane	6.00	67	1492558	38.38615 ppb		98
9) Trichlorofluoromethane	6.52	103	174656	39.72472 ppb		98
10) Acetonitrile	7.65	41	150705	159.85689 ug/l		100
11) Acrolein	7.14	56	182764	148.78150 ppb		99
12) Acetone	7.28	43	77858	38.17679 ppb	#	80
13) Freon-113	7.45	101	660174	42.19655 ppb		92
14) 1,1-DCE	7.67	96	662330	37.59376 ppb		98
15) t-Butanol	7.75	59	17616	151.93385 ppb		99
16) Methyl Acetate	8.18	43	304582	39.95351 ppb		100
17) Iodomethane	8.15	142	1190656	41.18331 ppb		97
18) Acrylonitrile	8.55	53	107346	37.09132 ppb		99
19) Methylene chloride	8.46	84	711734	36.93601 ppb		94
20) Carbon disulfide	8.55	76	614784	41.46146 ppb		99
21) Methyl t-butyl ether (MtBE	8.89	73	1333765	36.98696 ppb		97
22) Trans-1,2-DCE	9.08	96	801849	36.24188 ppb		90
23) Diisopropyl Ether	9.74	45	2385074	36.57634 ppb		97
24) 1,1-DCA	9.78	63	1243051	36.42337 ppb		96
25) Vinyl Acetate	9.41	43	133568	40.26020 ppb		96
26) Ethyl tert Butyl Ether	10.42	59	1846913	37.32593 ppb		99
27) MEK (2-Butanone)	10.41	43	75408	33.27433 ppb		96
28) Cis-1,2-DCE	10.79	96	873710	36.27242 ppb		95
29) 2,2-Dichloropropane	10.79	77	1048737	38.94267 ppb		98
30) Chloroform	11.07	85	862914	37.77163 ppb		100
31) Bromochloromethane	11.29	128	338090	38.39343 ppb		98
33) 1,1,1-TCA	11.82	97	1127682	38.35363 ppb		99
34) Cyclohexane	11.98	56	1103153	41.00259 ppb		98
35) 1,1-Dichloropropene	12.09	75	944591	37.53755 ppb		98
36) 2,2,4-Trimethylpentane	12.16	57	1871023	42.46546 ppb		99
38) Carbon Tetrachloride	12.27	117	983204	40.58367 ppb		98
39) Tert Amyl Methyl Ether	12.33	73	1486723	36.31923 ppb		94
40) 1,2-DCA	12.36	62	688495	36.89543 ppb		97
41) Benzene	12.47	78	2911638	37.28549 ppb		99
42) TCE	13.51	95	797526	39.53312 ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C09W.D Vial: 1
Acq On : 24 Feb 12 14:41 Operator: RS, ARS
Sample : 40ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	13.17	43	900761	153.45029	ppb		100
44)	1,2-Dichloropropane	13.73	63	723979	38.09742	ppb		99
45)	Bromodichloromethane	14.09	83	908198	39.77660	ppb		93
46)	Methyl Cyclohexane	13.79	83	1001305	42.11039	ppb		99
47)	Dibromomethane	14.14	93	372615	39.95347	ppb		96
48)	2-Chloroethyl vinyl ether	14.54	63	231817	40.08919	ppb		92
49)	1-Bromo-2-chloroethane	14.85	63	697466	39.15610	ppb		94
50)	Cis-1,3-Dichloropropene	14.97	75	1070633	37.70743	ppb		96
51)	Toluene	15.61	91	3040191	38.12448	ppb		100
52)	Trans-1,3-Dichloropropene	15.77	75	804871	39.30746	ppb		95
53)	1,1,2-TCA	16.04	83	384857	37.52797	ppb		95
56)	1,2-EDB	17.29	107	480554	40.20513	ppb	#	93
57)	Tetrachloroethene	16.76	164	714555	39.12010	ppb		96
58)	1-Chlorohexane	17.67	91	1076926	39.90372	ppb		96
59)	1,1,1,2-Tetrachloroethane	18.12	131	727081	40.25978	ppb		96
60)	m&p-Xylene	18.32	106	2639396	75.64289	ppb		96
61)	o-Xylene	19.06	106	1357493	39.51835	ppb		97
62)	Styrene	19.08	104	2173245	40.19226	ppb		96
64)	2-Hexanone	16.07	43	193947	37.61551	ppb		98
65)	1,3-Dichloropropane	16.46	76	798571	39.00170	ppb		98
66)	Dibromochloromethane	16.93	129	617691	41.80680	ppb		95
67)	Chlorobenzene	18.07	112	2061683	39.54282	ppb		97
68)	Ethylbenzene	18.18	91	3403115	38.66305	ppb		99
69)	Bromoform	19.60	173	377635	43.23492	ppb		97
71)	MIBK (methyl isobutyl keto	14.64	43	310271	35.30153	ppb		94
72)	Isopropylbenzene	19.70	105	3269663	38.87451	ppb		99
73)	1,1,2,2-Tetrachloroethane	19.86	83	465095	38.66114	ppb		96
74)	1,2,3-Trichloropropane	20.12	110	44384	36.84408	ppb		96
75)	t-1,4-Dichloro-2-Butene	20.18	53	110187	39.37387	ppb		81
76)	Bromobenzene	20.44	156	902524	41.89844	ppb		96
77)	n-Propylbenzene	20.41	91	3932034	39.05475	ppb		99
78)	4-Ethyltoluene	20.60	105	2382103	39.59855	ppb		96
79)	2-Chlorotoluene	20.70	91	2530843	37.19300	ppb		99
80)	1,3,5-Trimethylbenzene	20.68	105	2669741	38.34449	ppb		98
81)	4-Chlorotoluene	20.77	91	2366468	38.64725	ppb		99
82)	Tert-Butylbenzene	21.32	119	2828294	38.49195	ppb		98
83)	1,2,4-Trimethylbenzene	21.37	105	2760830	38.26783	ppb		100
84)	Sec-Butylbenzene	21.71	105	3659324	38.87447	ppb		99
85)	p-Isopropyltoluene	21.95	119	2985821	38.90974	ppb		98
86)	Benzyl Chloride	22.39	91	807201	39.34987	ppb		96
87)	1,3-DCB	22.09	146	1736674	39.44342	ppb		99
88)	1,4-DCB	22.25	146	1672287	39.25008	ppb		99
89)	Hexachloroethane	23.56	117	662462	45.14645	ppb		98
90)	n-Butylbenzene	22.66	91	2630410	39.42761	ppb		96
91)	1,2-DCB	22.88	146	1542539	39.20214	ppb		95
92)	1,2-Dibromo-3-chloropropan	24.10	155	82108	39.85988	ppb		95
93)	1,2,4-Trichlorobenzene	25.54	180	478072	39.20003	ppb		98
94)	Hexachlorobutadiene	25.81	223	450073	42.35665	ppb		98
95)	Naphthalene	25.90	128	1700425	38.53478	ppb		98
96)	1,2,3-Trichlorobenzene	26.26	180	418296	40.23263	ppb		96

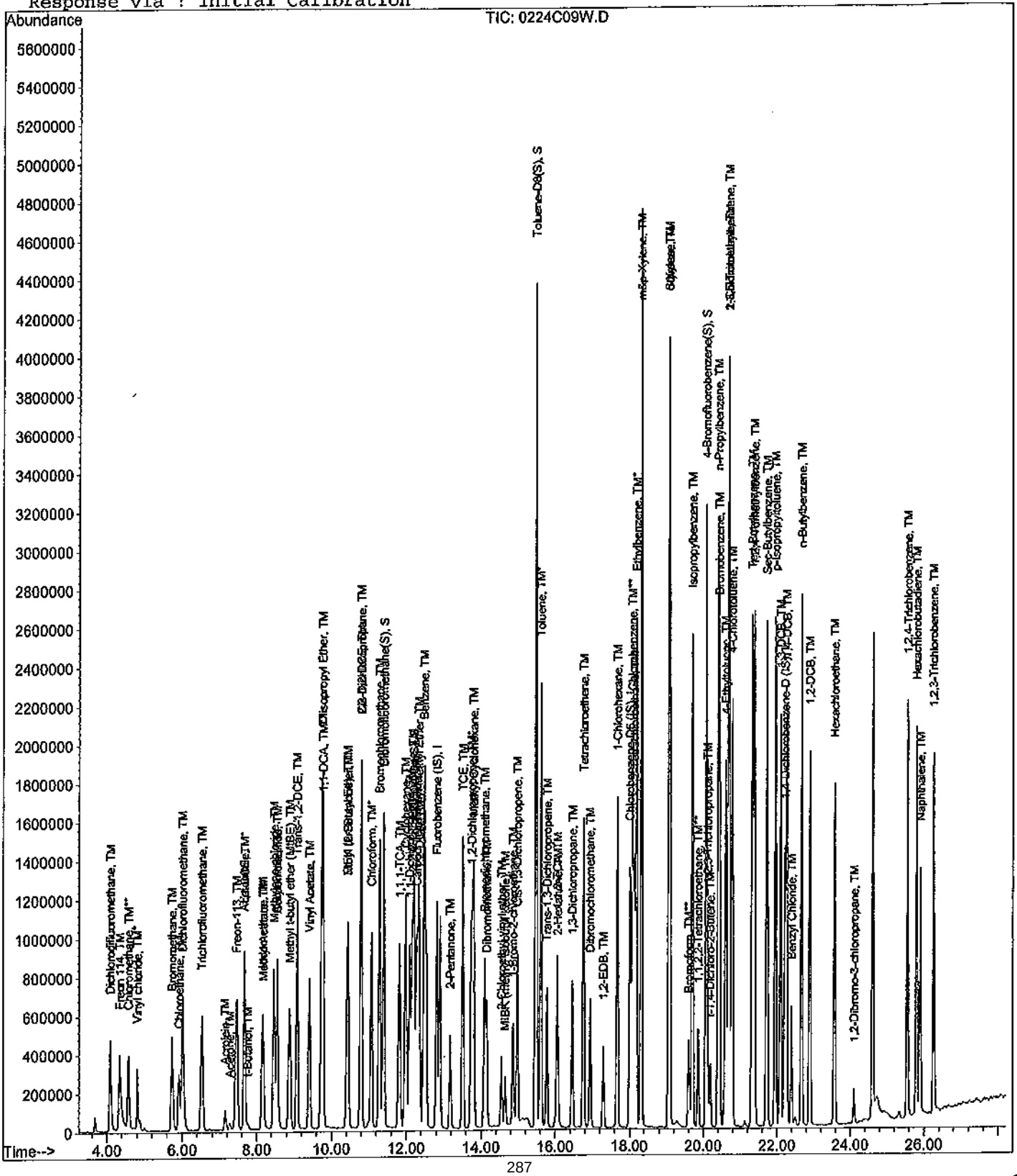
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120224\0224C09W.D Vial: 1
Acq On : 24 Feb 12 14:41 Operator: RS, ARS
Sample : 40ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Tue Feb 28 08:57:24 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C10W.D Vial: 1
Acq On : 24 Feb 12 15:18 Operator: RS, ARS
Sample : 100ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	12.81	96	678831	25.00000 ppb	0.00
54) Chlorobenzene-D5 (IS)	18.01	117	542272	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	22.21	152	298246	25.00000 ppb	0.00
System Monitoring Compounds					
32) Dibromofluoromethane(S)	11.40	111	2144601	97.60388 ppb	0.00
Spiked Amount 22.609			Recovery	= 431.698%	
37) 1,2-DCA-D4(S)	12.20	65	1627395	89.85003 ppb	0.00
Spiked Amount 21.606			Recovery	= 415.859%	
55) Toluene-D8(S)	15.47	98	6843656	93.57476 ppb	0.00
Spiked Amount 24.195			Recovery	= 386.748%	
63) 4-Bromofluorobenzene(S)	20.08	95	2564905	88.71252 ppb	0.00
Spiked Amount 23.751			Recovery	= 373.518%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.09	85	2244319	107.02120 ppb	99
3) Freon 114	4.34	85	1249166	105.10927 ppb	94
4) Chloromethane	4.57	50	655893	88.96745 ppb	97
5) Vinyl chloride	4.80	62	542976	97.82334 ppb	94
6) Bromomethane	5.72	94	506748	107.87975 ppb	93
7) Chloroethane	5.92	64	380992	91.33749 ppb	100
8) Dichlorofluoromethane	6.00	67	3929529	90.40159 ppb	97
9) Trichlorofluoromethane	6.52	103	374932	76.28200 ppb	99
10) Acetonitrile	7.65	41	190741	180.98393 ug/l	100
11) Acrolein	7.15	56	276041	201.01299 ppb	100
12) Acetone	7.28	43	226567	100.13681 ppb	92
13) Freon-113	7.45	101	1787083	102.17756 ppb	89
14) 1,1-DCE	7.67	96	1792509	91.01121 ppb	94
15) t-Butanol	7.78	59	22801	175.91116 ppb #	94
16) Methyl Acetate	8.18	43	842993	99.83571 ppb	100
17) Iodomethane	8.15	142	3199205	98.97527 ppb	100
18) Acrylonitrile	8.56	53	303209	93.71751 ppb	94
19) Methylene chloride	8.46	84	1939864	90.05250 ppb	93
20) Carbon disulfide	8.55	76	1609728	97.11063 ppb	99
21) Methyl t-butyl ether (MtBE	8.89	73	3658362	90.75033 ppb	97
22) Trans-1,2-DCE	9.08	96	2179969	88.13749 ppb	90
23) Diisopropyl Ether	9.74	45	6475444	88.83012 ppb	100
24) 1,1-DCA	9.78	63	3434353	90.01780 ppb	95
25) Vinyl Acetate	9.41	43	367035	99.89516 ppb	97
26) Ethyl tert Butyl Ether	10.42	59	5017820	90.71342 ppb	98
27) MEK (2-Butanone)	10.41	43	215221	84.95107 ppb	95
28) Cis-1,2-DCE	10.79	96	2380207	88.39267 ppb	96
29) 2,2-Dichloropropane	10.79	77	2787939	92.60506 ppb	94
30) Chloroform	11.07	85	2362647	92.51014 ppb	99
31) Bromochloromethane	11.29	128	887980	90.20279 ppb	98
33) 1,1,1-TCA	11.82	97	3009893	91.57210 ppb	99
34) Cyclohexane	11.98	56	3008743	100.03521 ppb	95
35) 1,1-Dichloropropene	12.09	75	2564899	91.17688 ppb	99
36) 2,2,4-Trimethylpentane	12.15	57	5110082	103.74731 ppb	100
38) Carbon Tetrachloride	12.28	117	2653391	97.97182 ppb	96
39) Tert Amyl Methyl Ether	12.33	73	4091433	89.40756 ppb	93
40) 1,2-DCA	12.36	62	1819127	87.20212 ppb	96
41) Benzene	12.47	78	8047404	92.18294 ppb	98
42) TCE	13.51	95	2107561	93.45200 ppb	98

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

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C10W.D Vial: 1
Acq On : 24 Feb 12 15:18 Operator: RS, ARS
Sample : 100ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	13.18	43	1299027	197.95596	ppb		99
44)	1,2-Dichloropropane	13.73	63	1947088	91.65316	ppb		100
45)	Bromodichloromethane	14.09	83	2493381	97.68504	ppb		93
46)	Methyl Cyclohexane	13.79	83	2749788	103.44616	ppb		97
47)	Dibromomethane	14.15	93	1027420	98.54497	ppb		95
48)	2-Chloroethyl vinyl ether	14.54	63	680462	105.26359	ppb		95
49)	1-Bromo-2-chloroethane	14.85	63	1901572	95.49517	ppb		93
50)	Cis-1,3-Dichloropropene	14.98	75	2909413	91.66085	ppb		95
51)	Toluene	15.61	91	8099740	90.85867	ppb		99
52)	Trans-1,3-Dichloropropene	15.77	75	2199619	96.09227	ppb		97
53)	1,1,2-TCA	16.05	83	1028352	89.69946	ppb		97
56)	1,2-EDB	17.30	107	1300455	97.59128	ppb	#	95
57)	Tetrachloroethene	16.76	164	1926587	94.60831	ppb		96
58)	1-Chlorohexane	17.68	91	2848407	94.66859	ppb		91
59)	1,1,1,2-Tetrachloroethane	18.12	131	1961330	97.41272	ppb		96
60)	m&p-Xylene	18.33	106	6966119	179.07330	ppb		93
61)	o-Xylene	19.07	106	3518226	91.86737	ppb		92
62)	Styrene	19.09	104	5621709	93.25637	ppb		93
64)	2-Hexanone	16.07	43	569719	99.11080	ppb		94
65)	1,3-Dichloropropane	16.46	76	2140930	93.78834	ppb		99
66)	Dibromochloromethane	16.94	129	1738438	105.53859	ppb		96
67)	Chlorobenzene	18.08	112	5328091	91.66295	ppb		98
68)	Ethylbenzene	18.18	91	8995863	91.67242	ppb		99
69)	Bromoform	19.60	173	1047083	107.52760	ppb		97
71)	MIBK (methyl isobutyl keto	14.64	43	906446	95.73840	ppb		95
72)	Isopropylbenzene	19.70	105	8361746	92.28918	ppb		99
73)	1,1,2,2-Tetrachloroethane	19.86	83	1229866	94.90358	ppb		98
74)	1,2,3-Trichloropropane	20.12	110	120656	92.97839	ppb		97
75)	t-1,4-Dichloro-2-Butene	20.18	53	307426	101.97887	ppb		86
76)	Bromobenzene	20.44	156	2340527	102.52689	ppb		97
77)	n-Propylbenzene	20.41	91	9967952	91.90822	ppb		99
78)	4-Ethyltoluene	20.60	105	6145263	94.83117	ppb		98
79)	2-Chlorotoluene	20.70	91	6714874	91.60639	ppb		100
80)	1,3,5-Trimethylbenzene	20.68	105	6867311	91.56140	ppb		99
81)	4-Chlorotoluene	20.78	91	5920542	89.75760	ppb		97
82)	Tert-Butylbenzene	21.32	119	7228725	91.32695	ppb		99
83)	1,2,4-Trimethylbenzene	21.37	105	7168671	92.24113	ppb		100
84)	Sec-Butylbenzene	21.71	105	9265413	91.37350	ppb		98
85)	p-Isopropyltoluene	21.95	119	7617841	92.15489	ppb		98
86)	Benzyl Chloride	22.39	91	2275076	102.95546	ppb		95
87)	1,3-DCB	22.09	146	4408056	92.93840	ppb		98
88)	1,4-DCB	22.26	146	4295068	93.58186	ppb		98
89)	Hexachloroethane	23.56	117	1760915	111.40198	ppb		99
90)	n-Butylbenzene	22.66	91	6714748	93.43263	ppb		97
91)	1,2-DCB	22.89	146	3921448	92.51496	ppb		95
92)	1,2-Dibromo-3-chloropropan	24.10	155	220142	99.20768	ppb		95
93)	1,2,4-Trichlorobenzene	25.55	180	1211914	92.24796	ppb		97
94)	Hexachlorobutadiene	25.80	223	1144128	102.11526	ppb		97
95)	Naphthalene	25.90	128	4462599	93.88043	ppb		98
96)	1,2,3-Trichlorobenzene	26.26	180	1050011	93.75196	ppb		96

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

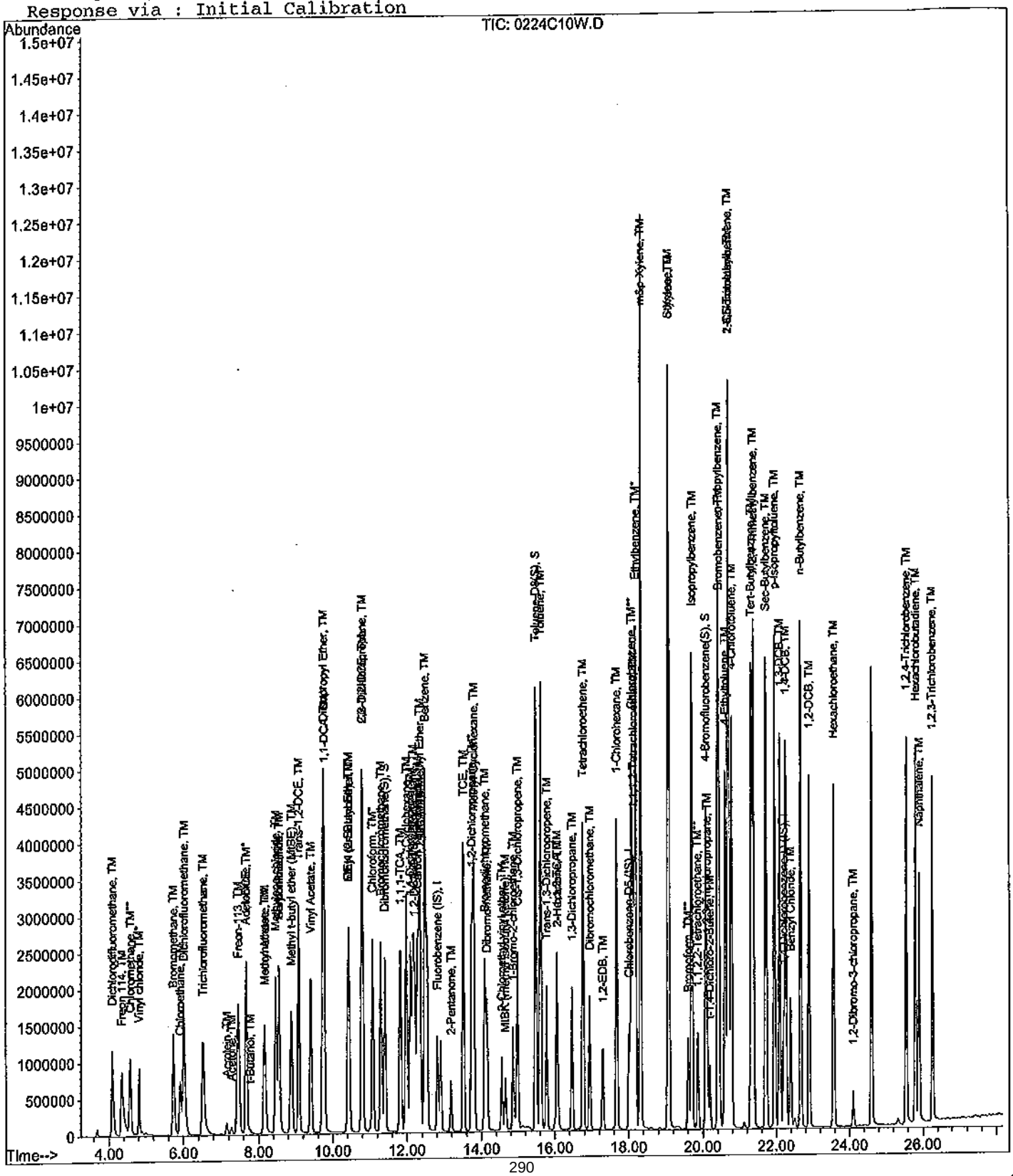
Quantitation Report

Data File : M:\CHICO\DATA\C120224\0224C10W.D
Acq On : 24 Feb 12 15:18
Sample : 100ug/L Vol Std 02-24-12
Misc : Water 10mLw/ IS:01-31-12C

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Tue Feb 28 08:57:24 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C11W.D Vial: 1
Acq On : 24 Feb 12 15:55 Operator: RS, ARS
Sample : 200ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	12.82	96	657415	25.00000 ppb	0.00
54) Chlorobenzene-D5 (IS)	18.01	117	521408	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	22.21	152	302612	25.00000 ppb	0.01
System Monitoring Compounds					
32) Dibromofluoromethane(S)	11.40	111	2564673	120.52431 ppb	0.00
Spiked Amount 22.609			Recovery	= 533.073%	
37) 1,2-DCA-D4(S)	12.20	65	1941125	110.66259 ppb	0.00
Spiked Amount 21.606			Recovery	= 512.190%	
55) Toluene-D8(S)	15.47	98	8211353	116.76825 ppb	0.00
Spiked Amount 24.195			Recovery	= 482.606%	
63) 4-Bromofluorobenzene(S)	20.08	95	3119395	112.20792 ppb	0.01
Spiked Amount 23.751			Recovery	= 472.441%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.08	85	4378016	215.56817 ppb	100
3) Freon 114	4.34	85	2399583	208.48687 ppb	99
4) Chloromethane	4.57	50	1290262	180.71663 ppb	99
5) Vinyl chloride	4.80	62	1002560	186.50663 ppb	94
6) Bromomethane	5.72	94	886848	194.94817 ppb	94
7) Chloroethane	5.91	64	692061	171.31668 ppb	97
8) Dichlorofluoromethane	6.00	67	7575546	179.95817 ppb	98
9) Trichlorofluoromethane	6.52	103	659008	138.44660 ppb	98
10) Acetonitrile	7.66	41	213588	209.26417 ug/l	100
11) Acrolein	7.15	56	308095	231.66330 ppb	100
12) Acetone	7.28	43	437843	200.29131 ppb	91
13) Freon-113	7.45	101	3477810	205.32353 ppb	89
14) 1,1-DCE	7.67	96	3434275	180.04899 ppb	95
15) t-Butanol	7.79	59	27600	219.87236 ppb #	93
16) Methyl Acetate	8.18	43	1630868	200.05733 ppb	99
17) Iodomethane	8.15	142	6268808	200.25175 ppb	98
18) Acrylonitrile	8.56	53	613930	195.93840 ppb	94
19) Methylene chloride	8.46	84	3738250	179.19047 ppb	94
20) Carbon disulfide	8.55	76	3119104	194.29703 ppb	99
21) Methyl t-butyl ether (MtBE	8.89	73	6385477	163.55994 ppb	96
22) Trans-1,2-DCE	9.09	96	4205997	175.59065 ppb	93
23) Diisopropyl Ether	9.74	45	12265634	173.74118 ppb	98
24) 1,1-DCA	9.78	63	6463661	174.93797 ppb	95
25) Vinyl Acetate	9.41	43	714402	201.41684 ppb	94
26) Ethyl tert Butyl Ether	10.43	59	9590540	179.02826 ppb	98
27) MEK (2-Butanone)	10.42	43	400832	163.36862 ppb	98
28) Cis-1,2-DCE	10.80	96	4488199	172.10587 ppb	92
29) 2,2-Dichloropropane	10.79	77	5245615	179.91605 ppb	95
30) Chloroform	11.07	85	4511020	182.38425 ppb	98
31) Bromochloromethane	11.30	128	1683828	176.61866 ppb	98
33) 1,1,1-TCA	11.82	97	5770426	181.27672 ppb	99
34) Cyclohexane	11.98	56	5870208	201.53170 ppb	95
35) 1,1-Dichloropropene	12.09	75	4882130	179.20323 ppb	100
36) 2,2,4-Trimethylpentane	12.16	57	10216147	214.16976 ppb	99
38) Carbon Tetrachloride	12.28	117	5142419	196.06020 ppb	97
39) Tert Amyl Methyl Ether	12.33	73	7869391	177.56688 ppb	94
40) 1,2-DCA	12.36	62	3471017	171.80779 ppb	94
41) Benzene	12.48	78	15443722	182.67065 ppb	98
42) TCE	13.51	95	4013135	183.74448 ppb	99

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

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C11W.D Vial: 1
Acq On : 24 Feb 12 15:55 Operator: RS, ARS
Sample : 200ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	2-Pentanone	13.18	43	1411909	222.16681 ppb		98
44)	1,2-Dichloropropane	13.74	63	3667738	178.27163 ppb		99
45)	Bromodichloromethane	14.09	83	4720968	190.98204 ppb		95
46)	Methyl Cyclohexane	13.79	83	5438628	211.26453 ppb		95
47)	Dibromomethane	14.15	93	1965208	194.63326 ppb		94
48)	2-Chloroethyl vinyl ether	14.55	63	1265519	202.14594 ppb		93
49)	1-Bromo-2-chloroethane	14.85	63	3592672	186.29804 ppb		92
50)	Cis-1,3-Dichloropropene	14.98	75	5517176	179.48056 ppb		96
51)	Toluene	15.61	91	15241386	176.53948 ppb		99
52)	Trans-1,3-Dichloropropene	15.77	75	4160858	187.69207 ppb		99
53)	1,1,2-TCA	16.05	83	1931689	173.98318 ppb		96
56)	1,2-EDB	17.30	107	2479731	193.53509 ppb	#	94
57)	Tetrachloroethene	16.76	164	3679561	187.92136 ppb		97
58)	1-Chlorohexane	17.68	91	5446553	188.26305 ppb		91
59)	1,1,1,2-Tetrachloroethane	18.13	131	3692118	190.71290 ppb		97
60)	m&p-Xylene	18.33	106	17309120	462.75853 ppb	#	39
61)	o-Xylene	19.08	106	6591105	178.99268 ppb		93
62)	Styrene	19.10	104	10637320	183.51934 ppb		93
64)	2-Hexanone	16.08	43	1071068	193.78350 ppb		93
65)	1,3-Dichloropropane	16.47	76	4061568	185.04595 ppb		99
66)	Dibromochloromethane	16.94	129	3326307	210.01674 ppb		96
67)	Chlorobenzene	18.08	112	10056370	179.92973 ppb		98
68)	Ethylbenzene	18.19	91	16916220	179.28282 ppb		99
69)	Bromoform	19.61	173	2132257	227.72876 ppb		98
71)	MIBK (methyl isobutyl keto	14.65	43	1677304	174.60010 ppb		92
72)	Isopropylbenzene	19.71	105	15916076	173.13239 ppb		98
73)	1,1,2,2-Tetrachloroethane	19.86	83	2438504	185.45424 ppb		99
74)	1,2,3-Trichloropropane	20.12	110	236224	179.40957 ppb		97
75)	t-1,4-Dichloro-2-Butene	20.19	53	629927	205.94359 ppb		87
76)	Bromobenzene	20.44	156	4569110	198.35281 ppb		97
77)	n-Propylbenzene	20.41	91	18745650	170.34815 ppb		93
78)	4-Ethyltoluene	20.60	105	12072594	183.61143 ppb		98
79)	2-Chlorotoluene	20.70	91	12285321	165.18207 ppb		100
80)	1,3,5-Trimethylbenzene	20.68	105	13099061	172.12913 ppb		99
81)	4-Chlorotoluene	20.78	91	11952358	178.58782 ppb		99
82)	Tert-Butylbenzene	21.32	119	13811958	171.98120 ppb		99
83)	1,2,4-Trimethylbenzene	21.38	105	13709813	173.86253 ppb		99
84)	Sec-Butylbenzene	21.72	105	18187043	176.76897 ppb		97
85)	p-Isopropyltoluene	21.96	119	14820869	176.70491 ppb		97
86)	Benzyl Chloride	22.39	91	4501778	200.78259 ppb		94
87)	1,3-DCB	22.09	146	8583505	178.36155 ppb		99
88)	1,4-DCB	22.26	146	8353832	179.38902 ppb		99
89)	Hexachloroethane	23.57	117	3443586	214.71081 ppb		95
90)	n-Butylbenzene	22.67	91	13022830	178.59229 ppb		96
91)	1,2-DCB	22.89	146	7487276	174.09160 ppb		95
92)	1,2-Dibromo-3-chloropropan	24.11	155	452122	200.81054 ppb		91
93)	1,2,4-Trichlorobenzene	25.55	180	2340326	175.56980 ppb		97
94)	Hexachlorobutadiene	25.80	223	2239781	198.49623 ppb		96
95)	Naphthalene	25.91	128	8594665	178.19875 ppb		99
96)	1,2,3-Trichlorobenzene	26.26	180	2024118	178.11924 ppb		96

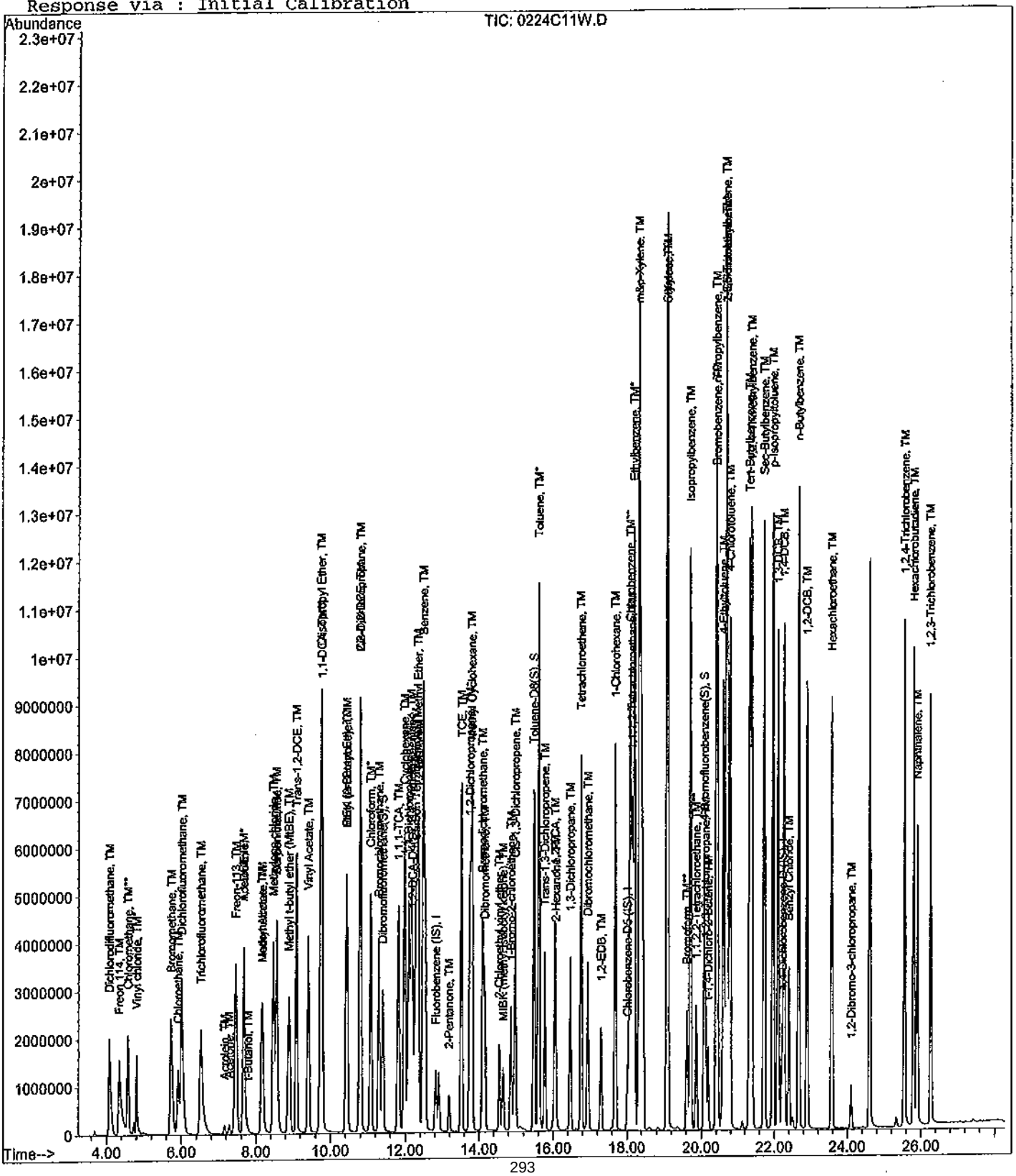
(#) = qualifier out of range (m) = manual integration

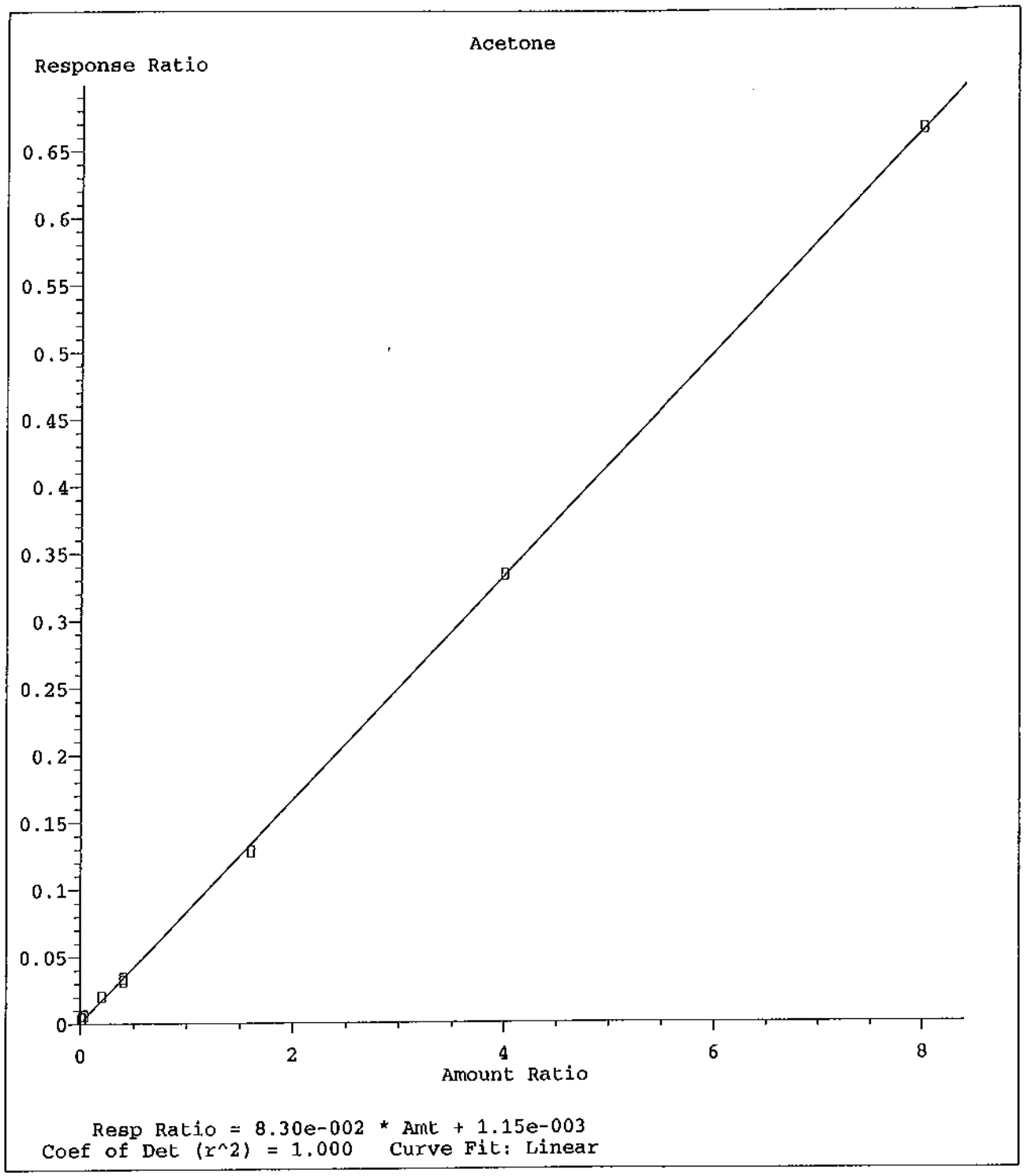
Quantitation Report

Data File : M:\CHICO\DATA\C120224\0224C11W.D Vial: 1
Acq On : 24 Feb 12 15:55 Operator: RS, ARS
Sample : 200ug/L Vol Std 02-24-12 Inst : Chico
Misc : Water 10mLw/ IS:01-31-12C Multiplr: 1.00

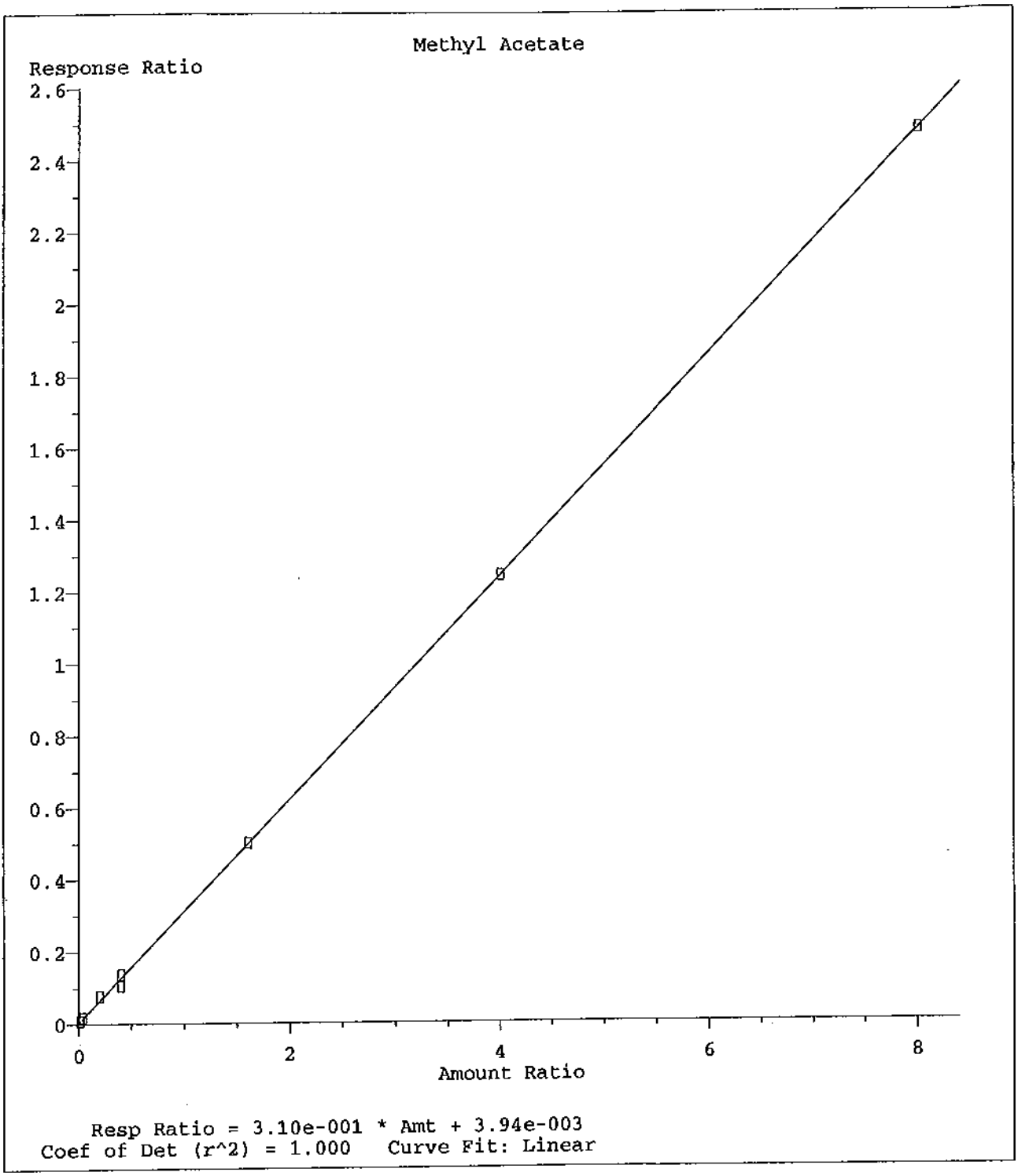
Quant Time: Feb 27 10:00 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Tue Feb 28 08:57:24 2012
Response via : Initial Calibration

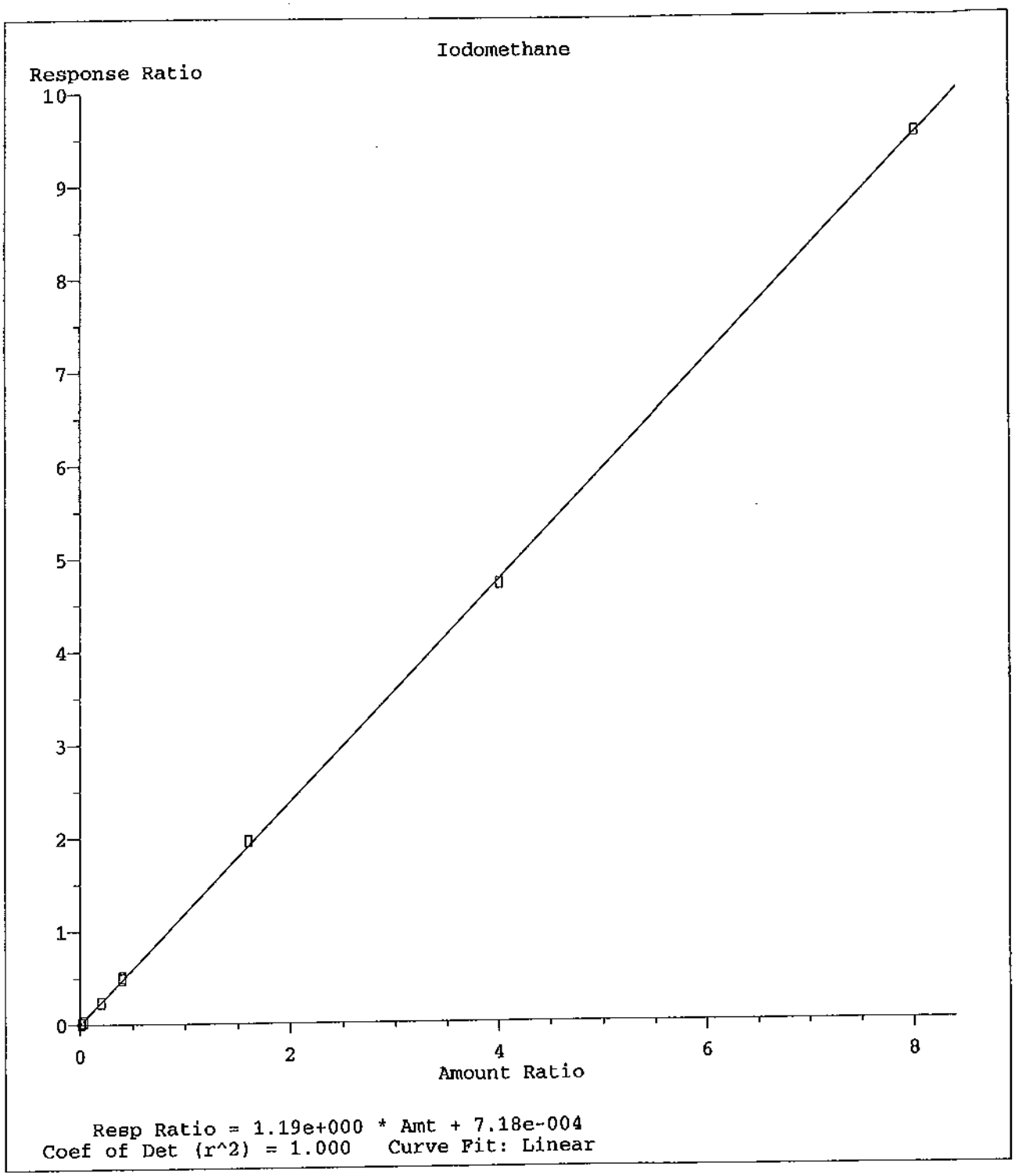




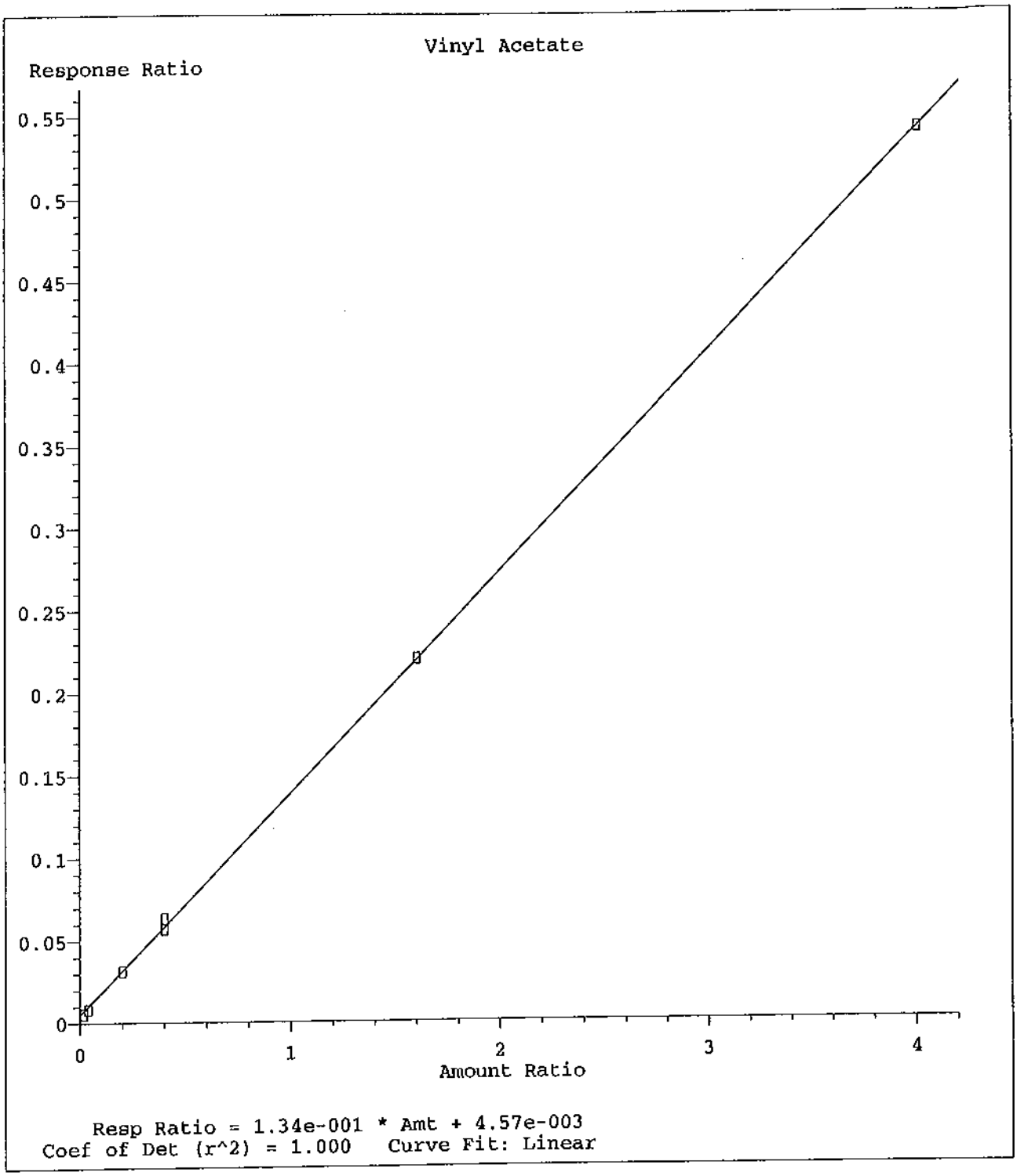
Method Name: M:\CHICO\DATA\C120224\CALLW.M
Calibration Table Last Updated: Tue Feb 28 08:57:24 2012



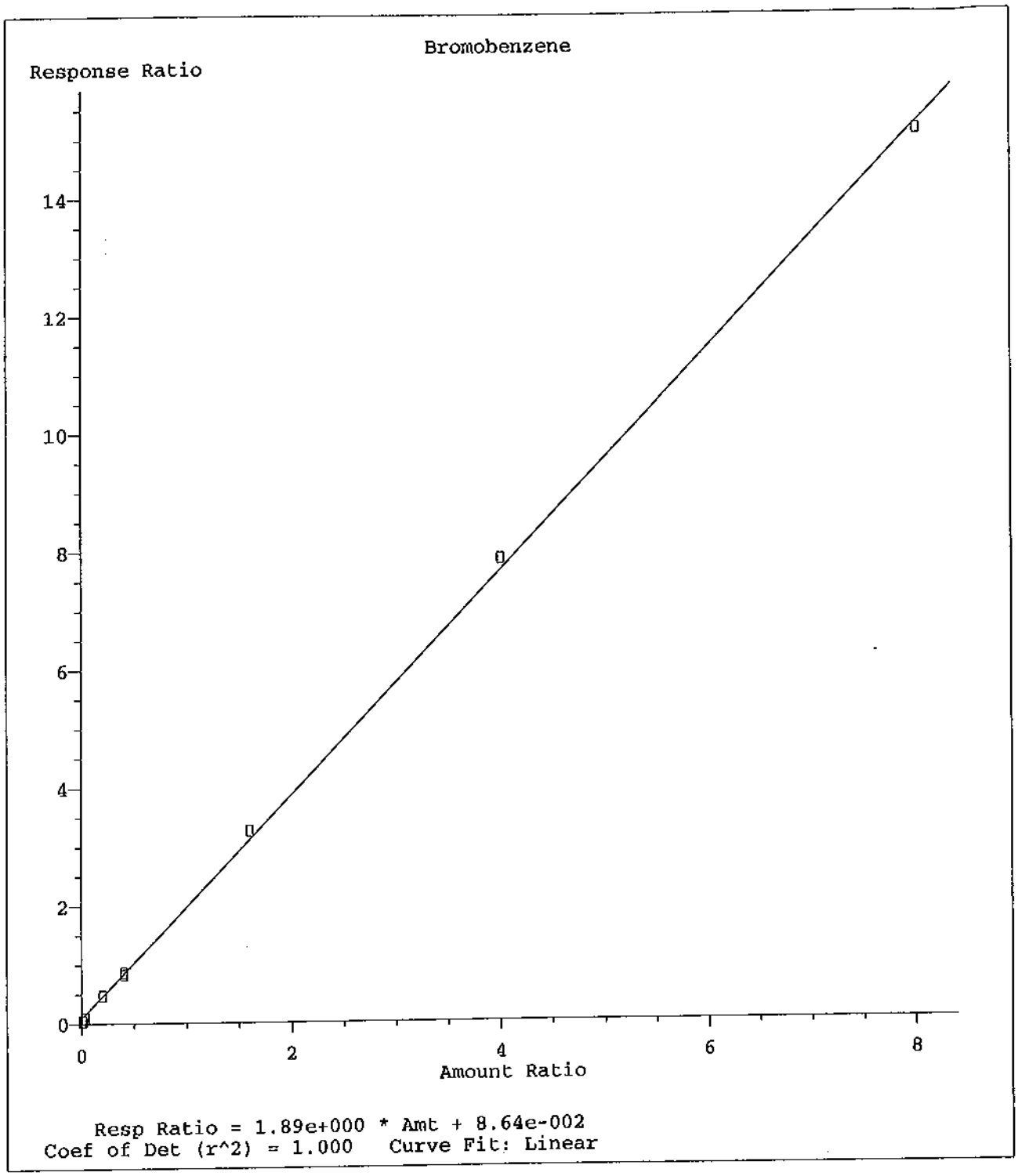
Method Name: M:\CHICO\DATA\C120224\CALLW.M
Calibration Table Last Updated: Tue Feb 28 08:57:24 2012



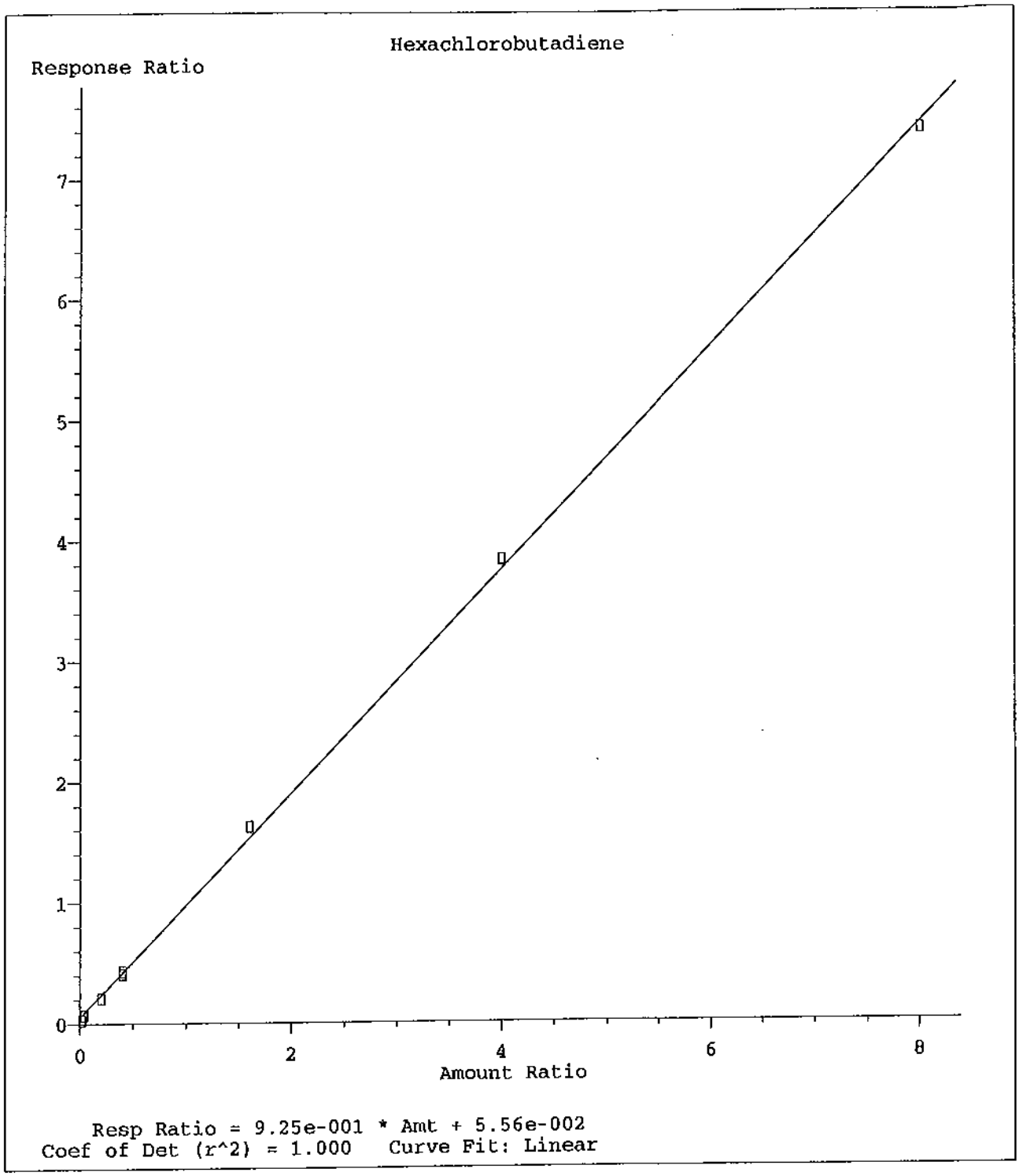
Method Name: M:\CHICO\DATA\C120224\CALLW.M
Calibration Table Last Updated: Tue Feb 28 08:57:24 2012



Method Name: M:\CHICO\DATA\C120224\CALLW.M
Calibration Table Last Updated: Tue Feb 28 08:57:24 2012



Method Name: M:\CHICO\DATA\C120224\CALLW.M
Calibration Table Last Updated: Tue Feb 28 08:57:24 2012



Method Name: M:\CHICO\DATA\C120224\CALLW.M
Calibration Table Last Updated: Tue Feb 28 08:57:24 2012

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C18W.D Vial: 1
Acq On : 24 Feb 12 20:14 Operator: RS, ARS
Sample : 120224A LCS-1WC (SS) Inst : Chico
Misc : Water 10mLw/ IS&S:01-31C/01-03E Multiplr: 1.00

Quant Time: Feb 27 10:01 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	12.81	96	670470	25.00000 ppb	0.00
54) Chlorobenzene-D5 (IS)	18.00	117	557248	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	22.20	152	302528	25.00000 ppb	0.00
System Monitoring Compounds					
32) Dibromofluoromethane(S)	11.40	111	498067	22.95042 ppb	0.00
Spiked Amount 22.609			Recovery = 101.507%		
37) 1,2-DCA-D4(S)	12.20	65	385353	21.54102 ppb	0.00
Spiked Amount 21.606			Recovery = 99.700%		
55) Toluene-D8(S)	15.47	98	1752897	23.32360 ppb	0.00
Spiked Amount 24.195			Recovery = 96.399%		
63) 4-Bromofluorobenzene(S)	20.07	95	685389	23.06850 ppb	0.00
Spiked Amount 23.751			Recovery = 97.130%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.09	85	237058	11.44517 ppb	95
3) Freon 114	4.35	85	144299	12.29324 ppb	95
4) Chloromethane	4.58	50	67112	9.21681 ppb	96
5) Vinyl chloride	4.83	62	55440	10.11271 ppb	89
6) Bromomethane	5.73	94	47920	10.32873 ppb	95
7) Chloroethane	5.93	64	45044	10.93333 ppb	99
8) Dichlorofluoromethane	6.01	67	450854	10.50156 ppb	98
9) Trichlorofluoromethane	6.53	103	50984	10.50233 ppb	99
10) Acetonitrile	7.66	41	125342	120.41342 ug/l	100
11) Acrolein	7.15	56	156697	115.52967 ppb	97
12) Acetone	7.28	43	22081	9.45363 ppb	91
13) Freon-113	7.46	101	196231	11.35954 ppb	94
14) 1,1-DCE	7.68	96	200332	10.29832 ppb	95
15) t-Butanol	7.75	59	15814	123.52747 ppb	97
16) Methyl Acetate	8.19	43	85629	9.70846 ppb	100
17) Iodomethane	8.16	142	377436	11.82861 ppb	98
18) Acrylonitrile	8.57	53	30674	9.59912 ppb	99
19) Methylene chloride	8.47	84	224816	10.56657 ppb	90
20) Carbon disulfide	8.56	76	183360	11.19957 ppb	100
21) Methyl t-butyl ether (MtBE	8.90	73	393887	9.89272 ppb	95
22) Trans-1,2-DCE	9.09	96	249506	10.21348 ppb	90
23) Diisopropyl Ether	9.74	45	731878	10.16510 ppb	90
24) 1,1-DCA	9.78	63	391176	10.38097 ppb	99
25) Vinyl Acetate	9.41	43	40944	10.71557 ppb	94
26) Ethyl tert Butyl Ether	10.43	59	537050	9.83000 ppb	100
27) MEK (2-Butanone)	10.42	43	22696	9.07018 ppb	96
28) Cis-1,2-DCE	10.80	96	265741	9.99177 ppb	95
29) 2,2-Dichloropropane	10.79	77	272979	9.18043 ppb	89
30) Chloroform	11.07	85	258016	10.22868 ppb	98
31) Bromochloromethane	11.29	128	100688	10.35564 ppb	98
33) 1,1,1-TCA	11.82	97	329250	10.14192 ppb	98
34) Cyclohexane	11.98	56	333767	11.23553 ppb	97
35) 1,1-Dichloropropene	12.09	75	291980	10.50872 ppb	97
36) 2,2,4-Trimethylpentane	12.16	57	549841	11.30234 ppb	97
38) Carbon Tetrachloride	12.27	117	274441	10.25962 ppb	99
39) Tert Amyl Methyl Ether	12.32	73	432842	9.57658 ppb	94
40) 1,2-DCA	12.36	62	195759	9.50097 ppb	97
41) Benzene	12.48	78	889046	10.31101 ppb	99
42) TCE	13.51	95	247177	11.09683 ppb	98

✓ Algorithm Check: $\frac{(237058)(25)}{(670470)(0.792313)} (1) = 11.445161605$ ✓ ARS 2/27/12

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

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0224C18W.D
Acq On : 24 Feb 12 20:14
Sample : 120224A LCS-1WC (SS)
Misc : Water 10mLw/ IS&S:01-31C/01-03E

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 27 10:01 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 09:57:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	2-Pentanone	13.17	43	808993	124.81808 ppb		98
44)	1,2-Dichloropropane	13.73	63	216822	10.33350 ppb		96
45)	Bromodichloromethane	14.09	83	255364	10.12935 ppb		97
46)	Methyl Cyclohexane	13.79	83	284158	10.82324 ppb		99
47)	Dibromomethane	14.14	93	106992	10.39011 ppb		98
48)	2-Chloroethyl vinyl ether	14.55	63	63904	10.00886 ppb		97
49)	1-Bromo-2-chloroethane	14.85	63	199600	10.14873 ppb		97
50)	Cis-1,3-Dichloropropene	14.97	75	294565	9.39598 ppb		100
51)	Toluene	15.60	91	904059	10.26773 ppb		98
52)	Trans-1,3-Dichloropropene	15.76	75	215998	9.55373 ppb		99
53)	1,1,2-TCA	16.05	83	109871	9.70316 ppb		92
56)	1,2-EDB	17.29	107	130227	9.51011 ppb	#	99
57)	Tetrachloroethene	16.76	164	216530	10.34731 ppb		96
58)	1-Chlorohexane	17.67	91	316646	10.24110 ppb		96
59)	1,1,1,2-Tetrachloroethane	18.12	131	203769	9.84854 ppb		99
60)	m&p-Xylene	18.32	106	781246	19.54323 ppb		96
61)	o-Xylene	19.06	106	397847	10.10933 ppb		100
62)	Styrene	19.08	104	636094	10.26834 ppb		96
64)	2-Hexanone	16.07	43	50123	8.48528 ppb		95
65)	1,3-Dichloropropane	16.46	76	227430	9.69533 ppb		96
66)	Dibromochloromethane	16.93	129	167838	9.91542 ppb		97
67)	Chlorobenzene	18.07	112	594917	9.95972 ppb		99
68)	Ethylbenzene	18.18	91	1011572	10.03139 ppb		97
69)	Bromoform	19.60	173	90831	9.07698 ppb		96
71)	MIBK (methyl isobutyl keto	14.65	43	86654	9.02281 ppb		99
72)	Isopropylbenzene	19.69	105	974944	10.60822 ppb		98
73)	1,1,2,2-Tetrachloroethane	19.86	83	119532	9.09323 ppb		97
74)	1,2,3-Trichloropropane	20.12	110	12026	9.13615 ppb		98
75)	t-1,4-Dichloro-2-Butene	20.18	53	26694	8.72956 ppb		86
76)	Bromobenzene	20.44	156	266059	10.44187 ppb		94
77)	n-Propylbenzene	20.40	91	1166172	10.60035 ppb		98
78)	4-Ethyltoluene	20.60	105	685741	10.43229 ppb		97
79)	2-Chlorotoluene	20.70	91	755526	10.16123 ppb		100
80)	1,3,5-Trimethylbenzene	20.68	105	769535	10.11494 ppb		100
81)	4-Chlorotoluene	20.78	91	680721	10.17391 ppb		98
82)	Tert-Butylbenzene	21.32	119	819316	10.20464 ppb		99
83)	1,2,4-Trimethylbenzene	21.37	105	810442	10.28056 ppb		98
84)	Sec-Butylbenzene	21.71	105	1066994	10.37353 ppb		100
85)	p-Isopropyltoluene	21.95	119	872419	10.40449 ppb		99
86)	Benzyl Chloride	22.39	91	165104	7.36580 ppb		94
87)	1,3-DCB	22.09	146	506453	10.52680 ppb		97
88)	1,4-DCB	22.26	146	478973	10.28825 ppb		94
89)	Hexachloroethane	23.56	117	170559	10.63747 ppb		96
90)	n-Butylbenzene	22.66	91	766813	10.51883 ppb		99
91)	1,2-DCB	22.88	146	441250	10.26264 ppb		97
92)	1,2-Dibromo-3-chloropropan	24.10	155	19800	8.79664 ppb		87
93)	1,2,4-Trichlorobenzene	25.54	180	138432	10.38797 ppb		94
94)	Hexachlorobutadiene	25.80	223	128336	9.87923 ppb		97
95)	Naphthalene	25.89	128	472836	9.80634 ppb		98
96)	1,2,3-Trichlorobenzene	26.26	180	115430	10.16048 ppb		97

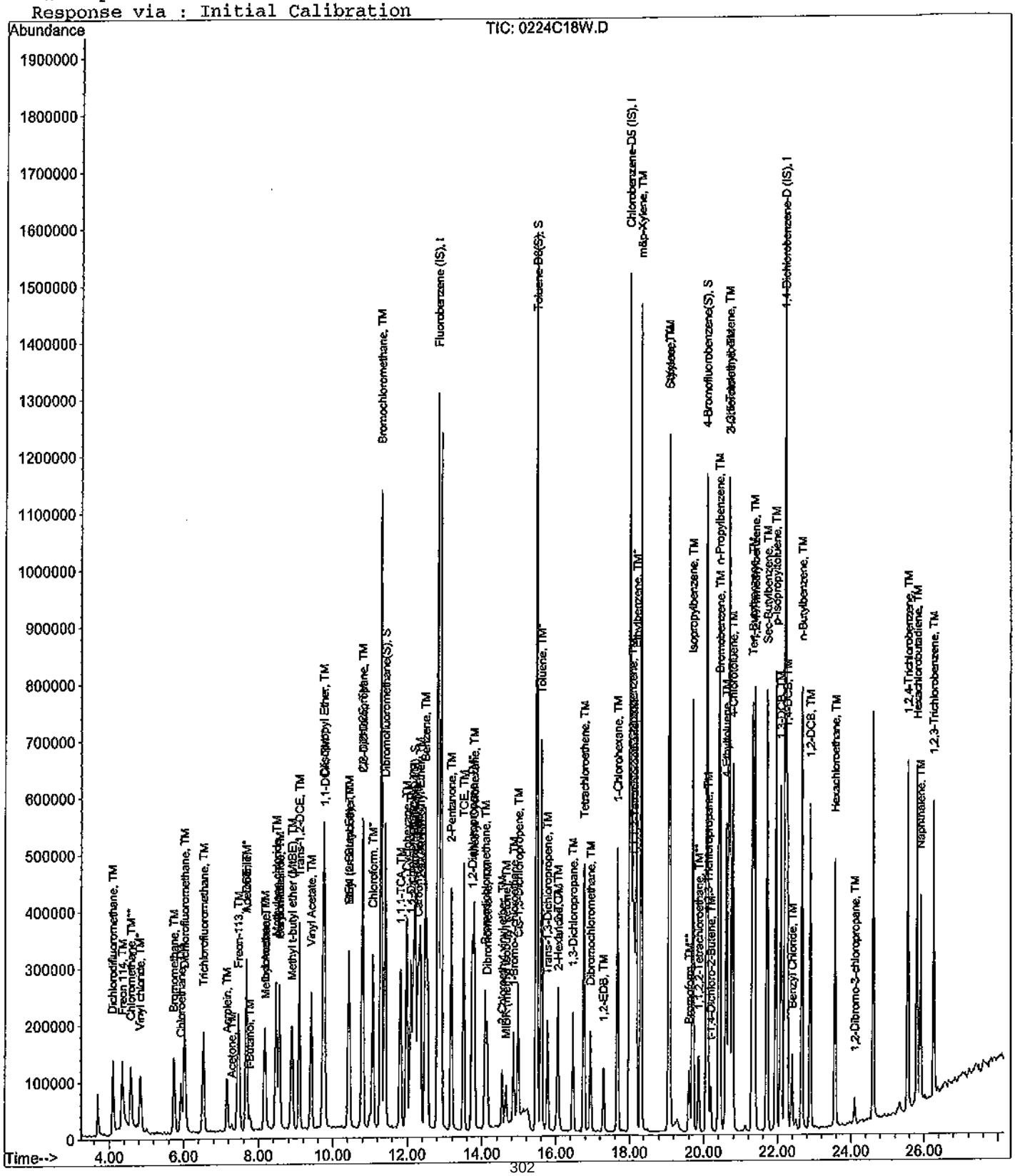
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120224\0224C18W.D Vial: 1
Acq On : 24 Feb 12 20:14 Operator: RS, ARS
Sample : 120224A LCS-1WC (SS) Inst : Chico
Misc : Water 10mLw/ IS&S:01-31C/01-03E Multiplr: 1.00

Quant Time: Feb 27 10:01 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 10:38:53 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0229C02W.D Vial: 1
Acq On : 29 Feb 12 13:59 Operator: RS, ARS
Sample : 10ug/L Vol Std 02-29-12 Inst : Chico
Misc : Water 10mLw/ IS&S:01-31C/01-03E Multiplr: 1.00

Quant Time: Mar 1 8:41 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 10:38:53 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	12.80	96	571375	25.00000 ppb	-0.02
54) Chlorobenzene-D5 (IS)	17.98	117	478912	25.00000 ppb	-0.02
70) 1,4-Dichlorobenzene-D (IS)	22.18	152	259968	25.00000 ppb	-0.02
System Monitoring Compounds					
32) Dibromofluoromethane(S)	11.39	111	425568	23.01071 ppb	-0.01
Spiked Amount 22.609			Recovery = 101.777%		
37) 1,2-DCA-D4(S)	12.19	65	326564	21.42072 ppb	-0.01
Spiked Amount 21.606			Recovery = 99.144%		
55) Toluene-D8(S)	15.46	98	1497353	23.18228 ppb	-0.02
Spiked Amount 24.195			Recovery = 95.812%		
63) 4-Bromofluorobenzene(S)	20.05	95	604710	23.68221 ppb	-0.02
Spiked Amount 23.751			Recovery = 99.711%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.08	85	180009	10.19811 ppb	96
3) Freon 114	4.34	85	113811	11.37747 ppb	94
4) Chloromethane	4.57	50	59506	9.58957 ppb	97
5) Vinyl chloride	4.83	62	53200	11.38712 ppb	91
6) Bromomethane	5.73	94	38168	9.65357 ppb	89
7) Chloroethane	5.92	64	35540	10.12258 ppb	96
8) Dichlorofluoromethane	6.01	67	382525	10.45528 ppb	100
9) Trichlorofluoromethane	6.51	103	43624	10.54473 ppb	98
10) Acetonitrile	7.64	41	107556	121.24701 ug/l	100
11) Acrolein	7.14	56	134528	116.38678 ppb	100
12) Acetone	7.26	43	19503	9.81532 ppb #	83
13) Freon-113	7.45	101	170115	11.55564 ppb	96
14) 1,1-DCE	7.65	96	162906	9.82678 ppb	96
15) t-Butanol	7.75	59	11075	101.51347 ppb	96
16) Methyl Acetate	8.16	43	67136	8.88204 ppb	97
17) Iodomethane	8.14	142	274538	10.09705 ppb	98
18) Acrylonitrile	8.55	53	26328	9.66801 ppb	94
19) Methylene chloride	8.44	84	172226	9.49869 ppb	94
20) Carbon disulfide	8.53	76	138304	9.91264 ppb	97
21) Methyl t-butyl ether (MtBE	8.87	73	319313	9.41063 ppb	99
22) Trans-1,2-DCE	9.07	96	209988	10.08661 ppb	96
23) Diisopropyl Ether	9.72	45	599332	9.76784 ppb	99
24) 1,1-DCA	9.76	63	322748	10.05049 ppb	97
25) Vinyl Acetate	9.39	43	30976	9.44105 ppb	99
26) Ethyl tert Butyl Ether	10.41	59	439528	9.44025 ppb	96
27) MEK (2-Butanone)	10.41	43	17320	8.12218 ppb	99
28) Cis-1,2-DCE	10.78	96	220826	9.74299 ppb	94
29) 2,2-Dichloropropane	10.78	77	262924	10.37581 ppb	94
30) Chloroform	11.06	85	211516	9.83953 ppb	98
31) Bromochloromethane	11.28	128	81681	9.85776 ppb	94
33) 1,1,1-TCA	11.80	97	283733	10.25563 ppb	98
34) Cyclohexane	11.97	56	265907	10.50360 ppb	92
35) 1,1-Dichloropropene	12.07	75	235899	9.96279 ppb	99
36) 2,2,4-Trimethylpentane	12.14	57	451264	10.88479 ppb	92
38) Carbon Tetrachloride	12.26	117	241210	10.58122 ppb	96
39) Tert Amyl Methyl Ether	12.31	73	359922	9.34432 ppb	94
40) 1,2-DCA	12.34	62	163988	9.33935 ppb	98
41) Benzene	12.46	78	720062	9.79953 ppb	99
42) TCE	13.49	95	200808	10.57864 ppb	95

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

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0229C02W.D Vial: 1
Acq On : 29 Feb 12 13:59 Operator: RS, ARS
Sample : 10ug/L Vol Std 02-29-12 Inst : Chico
Misc : Water 10mLw/ IS&S:01-31C/01-03E Multiplr: 1.00

Quant Time: Mar 1 8:41 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 10:38:53 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43) 2-Pentanone	13.16	43	637069	115.33930	ppb		97
44) 1,2-Dichloropropane	13.72	63	180741	10.10785	ppb		97
45) Bromodichloromethane	14.07	83	217846	10.13980	ppb		94
46) Methyl Cyclohexane	13.77	83	254301	11.36590	ppb		96
47) Dibromomethane	14.12	93	87760	10.00054	ppb		98
49) 1-Bromo-2-chloroethane	14.84	63	163466	9.75296	ppb		91
50) Cis-1,3-Dichloropropene	14.95	75	253564	9.49088	ppb		97
51) Toluene	15.59	91	768664	10.24406	ppb		99
52) Trans-1,3-Dichloropropene	15.76	75	186670	9.68849	ppb		99
53) 1,1,2-TCA	16.03	83	90273	9.35505	ppb		93
56) 1,2-EDB	17.28	107	110327	9.37473	ppb	#	99
57) Tetrachloroethene	16.74	164	184043	10.23343	ppb		98
58) 1-Chlorohexane	17.65	91	270394	10.17566	ppb		97
59) 1,1,1,2-Tetrachloroethane	18.11	131	178339	10.02935	ppb		97
60) m&p-Xylene	18.30	106	674407	19.63014	ppb		99
61) o-Xylene	19.05	106	352747	10.42947	ppb		90
62) Styrene	19.07	104	550200	10.33456	ppb		99
64) 2-Hexanone	16.06	43	44170	8.70060	ppb		89
65) 1,3-Dichloropropane	16.44	76	187210	9.28618	ppb		96
66) Dibromochloromethane	16.92	129	140925	9.68727	ppb		97
67) Chlorobenzene	18.05	112	522975	10.18743	ppb		98
68) Ethylbenzene	18.17	91	874844	10.09457	ppb		99
69) Bromoform	19.59	173	79216	9.21114	ppb		92
71) MIBK (methyl isobutyl keto	14.63	43	71849	8.70602	ppb		86
72) Isopropylbenzene	19.68	105	834618	10.56809	ppb		100
73) 1,1,2,2-Tetrachloroethane	19.84	83	107029	9.47504	ppb		92
74) 1,2,3-Trichloropropane	20.10	110	10316	9.12009	ppb		87
75) t-1,4-Dichloro-2-Butene	20.17	53	23444	8.92187	ppb	#	83
76) Bromobenzene	20.42	156	221869	10.09821	ppb		97
77) n-Propylbenzene	20.38	91	1004697	10.62768	ppb		99
78) 4-Ethyltoluene	20.59	105	613119	10.85451	ppb		94
79) 2-Chlorotoluene	20.68	91	650138	10.17532	ppb		98
80) 1,3,5-Trimethylbenzene	20.66	105	681298	10.42120	ppb		100
81) 4-Chlorotoluene	20.76	91	585139	10.17709	ppb		98
82) Tert-Butylbenzene	21.30	119	728994	10.56613	ppb		97
83) 1,2,4-Trimethylbenzene	21.36	105	709292	10.47046	ppb		99
84) Sec-Butylbenzene	21.70	105	933430	10.56068	ppb		100
85) p-Isopropyltoluene	21.93	119	758883	10.53213	ppb		99
86) Benzyl Chloride	22.37	91	186798	9.69796	ppb		90
87) 1,3-DCB	22.07	146	431982	10.44885	ppb		97
88) 1,4-DCB	22.24	146	419940	10.49696	ppb		96
89) Hexachloroethane	23.55	117	155312	11.27234	ppb		97
90) n-Butylbenzene	22.65	91	668583	10.67281	ppb		98
91) 1,2-DCB	22.87	146	389261	10.53564	ppb		99
92) 1,2-Dibromo-3-chloropropan	24.09	155	15970	8.25662	ppb		84
93) 1,2,4-Trichlorobenzene	25.54	180	119072	10.39799	ppb		97
94) Hexachlorobutadiene	25.79	223	112198	10.07851	ppb		96
95) Naphthalene	25.89	128	385646	9.30745	ppb		99
96) 1,2,3-Trichlorobenzene	26.24	180	97936	10.03191	ppb		97

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

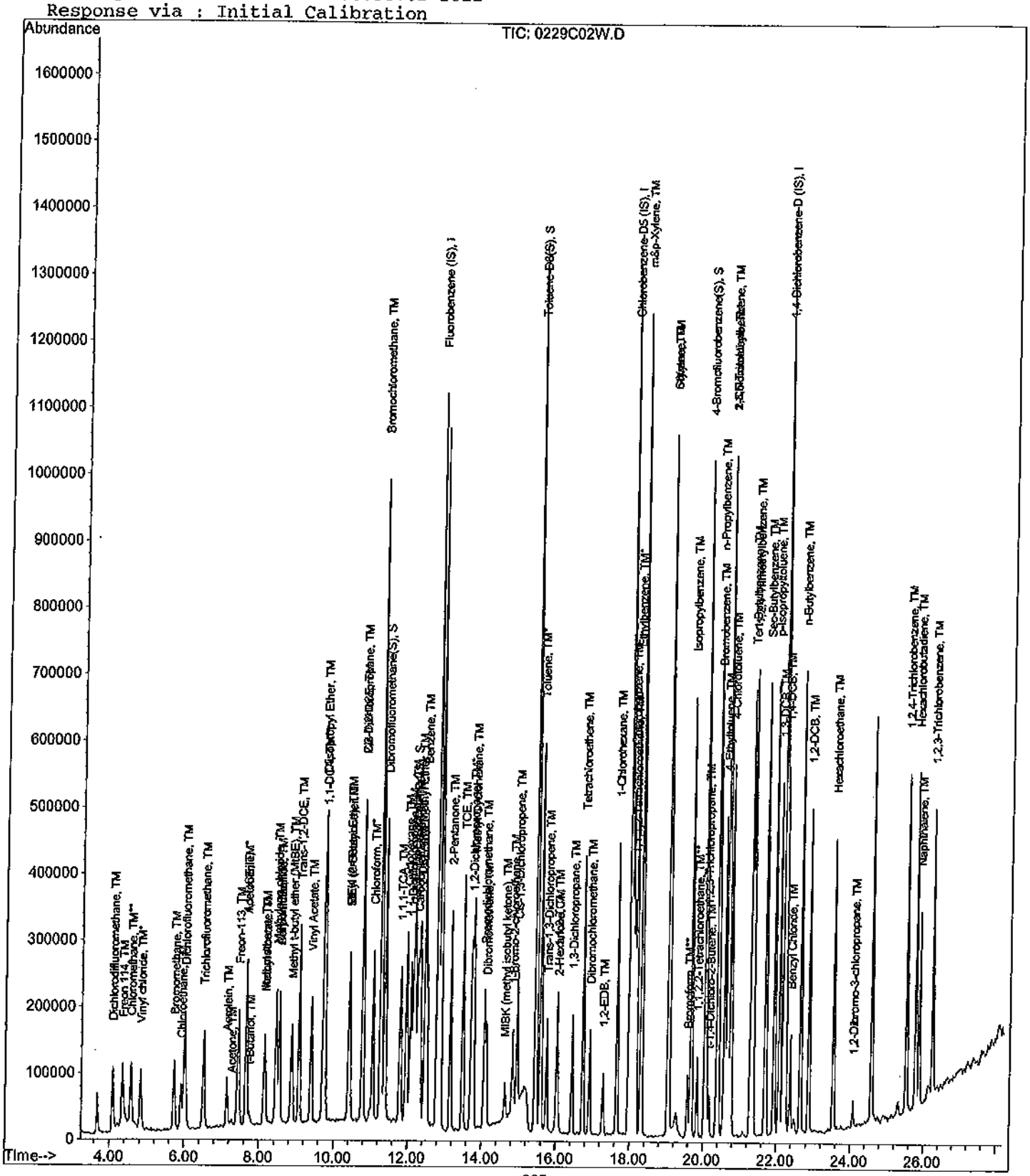
Quantitation Report

Data File : M:\CHICO\DATA\C120224\0229C02W.D
Acq On : 29 Feb 12 13:59
Sample : 10ug/L Vol Std 02-29-12
Misc : Water 10mLw/ IS&S:01-31C/01-03E

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Mar 1 8:41 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Thu Mar 01 08:58:02 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N04S.D Vial: 1
Acq On : 29 Feb 12 12:48 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @2ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.25	96	291904	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.43	117	214144	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.62	152	96848	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.85	111	15647	4.98882 ppb		0.00
Spiked Amount 41.312			Recovery	= 12.077%		
34) 1,2-DCA-D4(S)	12.64	65	18004	4.70238 ppb		0.00
Spiked Amount 41.649			Recovery	= 11.290%		
52) Toluene-D8(S)	15.90	98	61146	6.33211 ppb		0.00
Spiked Amount 35.274			Recovery	= 17.951%		
60) 4-Bromofluorobenzene(S)	20.50	95	24578	5.76497 ppb		0.00
Spiked Amount 35.584			Recovery	= 16.201%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.53	85	22548	2.15089 ppb		84
3) Chloromethane	5.04	50	34944	2.46424 ppb		100
4) Vinyl chloride	5.27	62	5680	1.97720 ppb	#	82
5) Bromomethane	6.25	94	7683	6.03595 ppb		77
6) Chloroethane	6.40	64	11766	2.12288 ppb		86
7) Dichlorofluoromethane	6.48	67	34303	2.11147 ppb		85
8) Trichlorofluoromethane	7.02	101	17461	2.08717 ppb		80
9) Acrolein	7.65	56	40922	51.91709 ppb		99
10) Acetone	7.78	43	12534	0.83684 ppb		89
11) Freon-113	7.96	101	12529	1.87934 ppb	#	76
12) 1,1-DCE	8.18	96	10932	1.92080 ppb	#	57
13) t-Butanol	8.27	59	8101	71.28376 ppb		99
14) Methyl Acetate	8.66	43	28695	-2.58371 ppb		89
15) Iodomethane	8.65	142	1881	4.75691 ppb	#	84
16) Acrylonitrile	9.04	53	4381	2.10854 ppb		91
17) Methylene chloride	8.94	86	11703	3.02731 ppb	#	69
18) Carbon disulfide	9.06	76	50499	2.04912 ppb		99
19) Methyl t-butyl ether (MtBE	9.36	73	26181	1.98920 ppb		92
20) Trans-1,2-DCE	9.56	96	11990	1.94019 ppb		77
21) Diisopropyl Ether	10.21	45	50073	1.94458 ppb		93
22) 1,1-DCA	10.24	63	23217	1.84295 ppb	#	91
23) Vinyl Acetate	10.19	43	40194	1.99043 ppb	#	97
24) Ethyl tert Butyl Ether	10.88	59	37708	2.03295 ppb	#	84
25) MEK (2-Butanone)	10.86	43	14620	2.56154 ppb		93
26) Cis-1,2-DCE	11.26	96	12983	2.05208 ppb		92
27) 2,2-Dichloropropane	11.24	77	20676	2.15026 ppb	#	83
28) Chloroform	11.53	83	20298	1.94835 ppb		85
29) Bromochloromethane	11.77	128	4825	2.32228 ppb		73
31) 1,1,1-TCA	12.27	97	20051	2.09833 ppb		93
32) Cyclohexane	12.44	56	26100	1.95243 ppb	#	90
33) 1,1-Dichloropropene	12.54	75	19153	2.04604 ppb	#	85
35) Carbon Tetrachloride	12.72	117	11896	1.66555 ppb	#	88
36) Tert Amyl Methyl Ether	12.76	73	27839	1.99043 ppb	#	87
37) 1,2-DCA	12.79	62	14391	2.00860 ppb	#	79
38) Benzene	12.93	78	49744	2.02929 ppb	#	88
39) TCE	13.94	95	13111	2.11808 ppb	#	72
40) 2-Pentanone	13.60	43	263173	51.84765 ppb		99
41) 1,2-Dichloropropane	14.16	63	13073	1.98087 ppb	#	93
42) Bromodichloromethane	14.52	83	13638	1.83736 ppb	#	64

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N04S.D Vial: 1
Acq On : 29 Feb 12 12:48 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @2ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	Dibromomethane	14.57	93	6875	2.05065	ppb		93
44)	Methyl Cyclohexane	14.25	83	21517	2.00612	ppb	#	55
45)	2-Chloroethyl vinyl ether	14.97	63	5449	1.79653	ppb		100
46)	1-Bromo-2-chloroethane	15.29	63	14588	1.96625	ppb	#	82
47)	Cis-1,3-Dichloropropene	15.39	75	18334	2.02122	ppb	#	85
48)	Toluene	16.04	91	51453	2.19490	ppb		77
49)	Trans-1,3-Dichloropropene	16.19	75	15580	2.02087	ppb	#	77
50)	1,1,2-TCA	16.47	83	6306	1.82129	ppb		81
53)	1,2-EDB	17.72	107	8210	1.91731	ppb	#	80
54)	Tetrachloroethene	17.18	129	8035	1.88128	ppb		86
55)	1-Chlorohexane	18.09	91	17711	1.85923	ppb		92
56)	1,1,1,2-Tetrachloroethane	18.55	131	9002	2.03564	ppb	#	66
57)	m&p-Xylene	18.75	106	37970	4.18933	ppb		98
58)	o-Xylene	19.49	106	16960	2.04911	ppb	#	54
59)	Styrene	19.49	78	17525	2.07021	ppb		65
61)	2-Hexanone	16.48	43	9821	2.08599	ppb		94
62)	1,3-Dichloropropane	16.88	76	13393	1.80020	ppb		90
63)	Dibromochloromethane	17.37	129	9592	1.89401	ppb		81
64)	Chlorobenzene	18.50	112	24517	1.85025	ppb	#	77
65)	Ethylbenzene	18.60	91	53330	2.00147	ppb		89
66)	Bromoform	20.04	173	5472	1.80431	ppb		92
68)	MIBK (methyl isobutyl keto	15.06	43	14419	2.09804	ppb	#	81
69)	Isopropylbenzene	20.12	105	46693	1.95523	ppb		99
70)	1,1,2,2-Tetrachloroethane	20.27	83	10281	1.89215	ppb		97
71)	1,2,3-Trichloropropane	20.54	110	2389	1.90094	ppb		91
72)	t-1,4-Dichloro-2-Butene	20.60	53	3452	1.89013	ppb		93
73)	Bromobenzene	20.87	156	9847	2.00466	ppb		99
74)	n-Propylbenzene	20.82	91	59731	1.88160	ppb		90
75)	2-Chlorotoluene	21.12	91	40206	2.01291	ppb	#	77
76)	1,3,5-Trimethylbenzene	21.10	105	34339	1.84722	ppb		88
77)	4-Chlorotoluene	21.21	91	33483	1.99839	ppb		94
78)	Tert-Butylbenzene	21.76	119	37197	2.02378	ppb		87
79)	1,2,4-Trimethylbenzene	21.82	105	34576	1.87258	ppb		82
80)	Sec-Butylbenzene	22.15	105	51983	1.93603	ppb		98
81)	p-Isopropyltoluene	22.37	119	40652	2.01121	ppb		93
82)	Benzyl Chloride	22.80	91	19397	2.06131	ppb	#	85
83)	1,3-DCB	22.51	146	17026	1.89351	ppb		92
84)	1,4-DCB	22.68	146	18659	2.13280	ppb		90
85)	n-Butylbenzene	23.07	91	48390	2.13317	ppb		94
86)	1,2-DCB	23.30	146	16073	2.01890	ppb		91
87)	1,2-Dibromo-3-chloropropan	24.51	155	1434	1.90783	ppb	#	71
88)	1,2,4-Trichlorobenzene	25.94	180	12637	2.36202	ppb		94
89)	Hexachlorobutadiene	26.19	225	3139	1.93715	ppb		93
90)	Naphthalene	26.30	128	23424	2.35929	ppb		92
91)	1,2,3-Trichlorobenzene	26.67	180	10031	2.23939	ppb		96

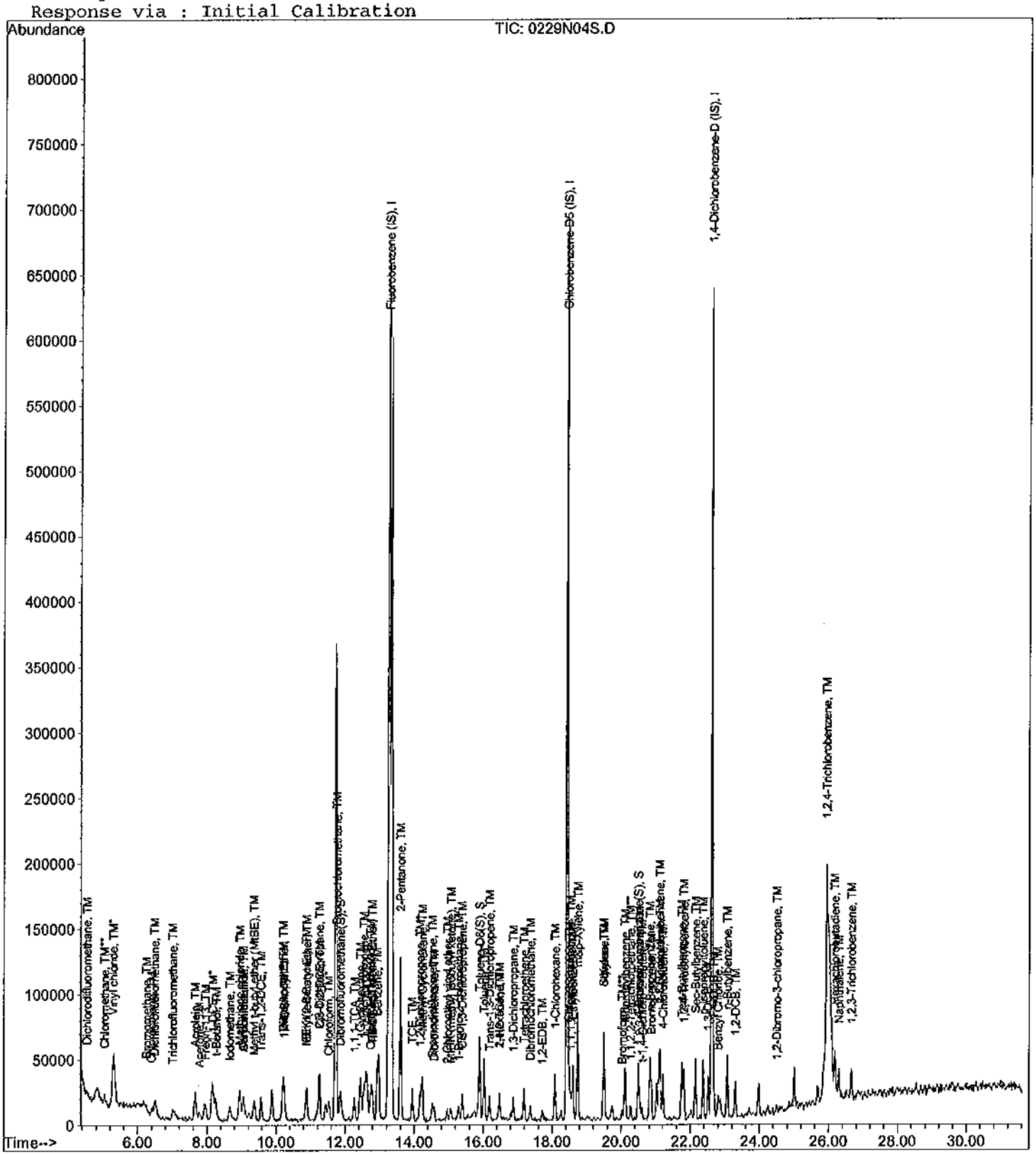
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N04S.D Vial: 1
Acq On : 29 Feb 12 12:48 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @2ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N05S.D Vial: 1
Acq On : 29 Feb 12 13:26 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @5ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.26	96	265984	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.43	117	192768	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.63	152	87304	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.86	111	25572	7.17233 ppb		0.02
Spiked Amount 41.312			Recovery	= 17.361%		
34) 1,2-DCA-D4(S)	12.65	65	30168	7.22025 ppb		0.00
Spiked Amount 41.649			Recovery	= 17.336%		
52) Toluene-D8(S)	15.91	98	95730	8.57390 ppb		0.00
Spiked Amount 35.274			Recovery	= 24.307%		
60) 4-Bromofluorobenzene(S)	20.50	95	34307	7.86390 ppb		0.00
Spiked Amount 35.584			Recovery	= 22.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.53	85	54547	5.71039 ppb		90
3) Chloromethane	5.04	50	73411	5.68141 ppb		96
4) Vinyl chloride	5.28	62	14719	5.62296 ppb		99
5) Bromomethane	6.22	94	14171	7.78111 ppb		92
6) Chloroethane	6.42	64	25802	5.10899 ppb		93
7) Dichlorofluoromethane	6.50	67	77441	5.23129 ppb		93
8) Trichlorofluoromethane	7.02	101	36845	4.83338 ppb		94
9) Acrolein	7.66	56	77828	108.36121 ppb		97
10) Acetone	7.78	43	25292	8.01045 ppb	#	68
11) Freon-113	7.93	101	33224	5.46923 ppb		94
12) 1,1-DCE	8.17	96	28835	5.56016 ppb		72
13) t-Butanol	8.26	59	15849	153.05177 ppb		100
14) Methyl Acetate	8.67	43	60176	3.89085 ppb	#	84
15) Iodomethane	8.66	142	12341	7.25167 ppb		91
16) Acrylonitrile	9.05	53	10663	5.63214 ppb		82
17) Methylene chloride	8.96	86	20583	5.84323 ppb		80
18) Carbon disulfide	9.06	76	125122	5.57189 ppb		99
19) Methyl t-butyl ether (MtBE	9.37	73	60671	5.05893 ppb		97
20) Trans-1,2-DCE	9.57	96	30552	5.42561 ppb		89
21) Diisopropyl Ether	10.20	45	116887	4.98164 ppb		100
22) 1,1-DCA	10.25	63	61697	5.37471 ppb		95
23) Vinyl Acetate	10.21	43	95950	5.21454 ppb		99
24) Ethyl tert Butyl Ether	10.88	59	87125	5.15490 ppb		93
25) MEK (2-Butanone)	10.88	43	29657	5.70249 ppb		97
26) Cis-1,2-DCE	11.25	96	29078	5.04392 ppb		77
27) 2,2-Dichloropropane	11.25	77	44722	5.10424 ppb	#	81
28) Chloroform	11.53	83	49581	5.22293 ppb		79
29) Bromochloromethane	11.76	128	10642	5.62115 ppb		81
31) 1,1,1-TCA	12.27	97	49431	5.67703 ppb		99
32) Cyclohexane	12.43	56	67751	5.56205 ppb		96
33) 1,1-Dichloropropene	12.54	75	42872	5.02616 ppb		94
35) Carbon Tetrachloride	12.74	117	32817	5.04244 ppb		84
36) Tert Amyl Methyl Ether	12.76	73	63665	4.99550 ppb		96
37) 1,2-DCA	12.81	62	34367	5.26416 ppb	#	92
38) Benzene	12.92	78	115340	5.16377 ppb		97
39) TCE	13.95	95	29467	5.22429 ppb		86
40) 2-Pentanone	13.60	43	503049	108.76335 ppb		99
41) 1,2-Dichloropropane	14.16	63	30241	5.02877 ppb		98
42) Bromodichloromethane	14.53	83	35195	5.20366 ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N05S.D Vial: 1
Acq On : 29 Feb 12 13:26 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @5ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	Dibromomethane	14.58	93	16637	5.44602	ppb		81
44)	Methyl Cyclohexane	14.22	83	52655	5.38765	ppb		99
45)	2-Chloroethyl vinyl ether	14.96	63	14503	5.24759	ppb	#	81
46)	1-Bromo-2-chloroethane	15.30	63	35020	5.18017	ppb		100
47)	Cis-1,3-Dichloropropene	15.39	75	41334	5.00089	ppb		84
48)	Toluene	16.03	91	110478	5.17206	ppb		98
49)	Trans-1,3-Dichloropropene	16.19	75	36319	5.16999	ppb		89
50)	1,1,2-TCA	16.48	83	16884	5.35161	ppb	#	85
53)	1,2-EDB	17.73	107	19361	5.02283	ppb	#	90
54)	Tetrachloroethene	17.20	129	19369	5.03784	ppb		92
55)	1-Chlorohexane	18.08	91	42694	4.97884	ppb		96
56)	1,1,1,2-Tetrachloroethane	18.54	131	20527	5.15655	ppb		82
57)	m&p-Xylene	18.74	106	84804	10.39421	ppb		97
58)	o-Xylene	19.50	106	38593	5.17986	ppb		95
59)	Styrene	19.51	78	40969	5.37629	ppb		99
61)	2-Hexanone	16.48	43	22582	5.32832	ppb		85
62)	1,3-Dichloropropane	16.88	76	34505	5.15224	ppb		96
63)	Dibromochloromethane	17.36	129	23432	5.13988	ppb		95
64)	Chlorobenzene	18.49	112	62944	5.27701	ppb		91
65)	Ethylbenzene	18.60	91	129349	5.39277	ppb		98
66)	Bromoform	20.03	173	13683	5.01208	ppb		91
68)	MIBK (methyl isobutyl keto	15.07	43	31907	5.15015	ppb		91
69)	Isopropylbenzene	20.12	105	109607	5.09144	ppb		97
70)	1,1,2,2-Tetrachloroethane	20.29	83	24922	5.08814	ppb		88
71)	1,2,3-Trichloropropane	20.55	110	6397	5.64657	ppb	#	64
72)	t-1,4-Dichloro-2-Butene	20.60	53	8354	5.07425	ppb		91
73)	Bromobenzene	20.88	156	22880	5.16713	ppb		89
74)	n-Propylbenzene	20.83	91	148811	5.20019	ppb		97
75)	2-Chlorotoluene	21.13	91	92095	5.11478	ppb		97
76)	1,3,5-Trimethylbenzene	21.10	105	84468	5.04058	ppb		96
77)	4-Chlorotoluene	21.21	91	75043	4.96846	ppb		98
78)	Tert-Butylbenzene	21.76	119	86754	5.23602	ppb		90
79)	1,2,4-Trimethylbenzene	21.82	105	87163	5.23667	ppb		90
80)	Sec-Butylbenzene	22.15	105	122767	5.07211	ppb		91
81)	p-Isopropyltoluene	22.37	119	95184	5.22393	ppb		90
82)	Benzyl Chloride	22.81	91	46830	5.52063	ppb		96
83)	1,3-DCB	22.52	146	40304	4.97233	ppb		97
84)	1,4-DCB	22.68	146	37717	4.78251	ppb		89
85)	n-Butylbenzene	23.07	91	103218	5.04756	ppb		96
86)	1,2-DCB	23.30	146	37830	5.27120	ppb		90
87)	1,2-Dibromo-3-chloropropan	24.51	155	4089	6.03483	ppb		98
88)	1,2,4-Trichlorobenzene	25.94	180	23793	4.93339	ppb		97
89)	Hexachlorobutadiene	26.18	225	8786	6.01478	ppb		81
90)	Naphthalene	26.29	128	44576	4.98055	ppb		98
91)	1,2,3-Trichlorobenzene	26.66	180	20492	5.07488	ppb		93

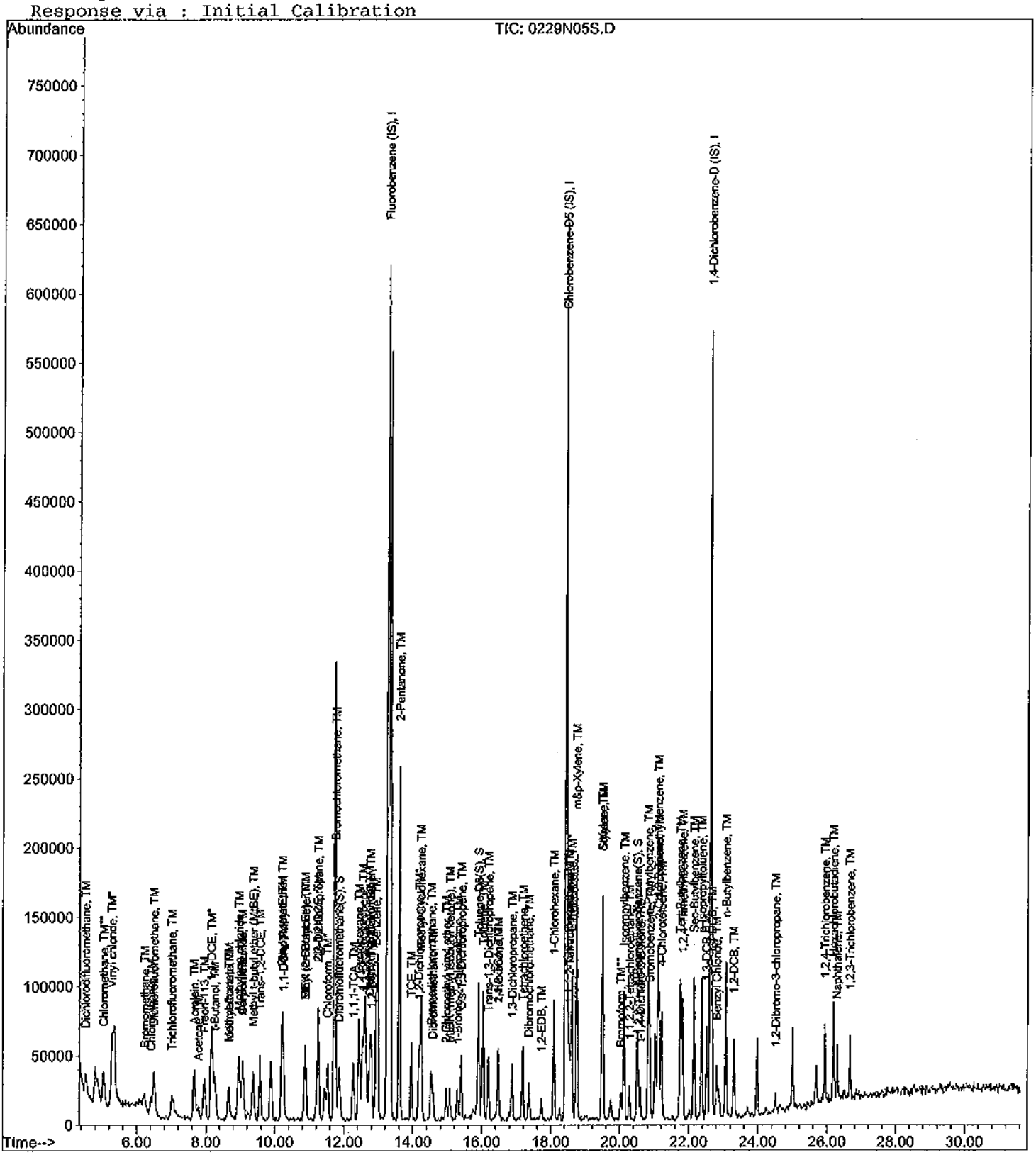
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N05S.D Vial: 1
Acq On : 29 Feb 12 13:26 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @5ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N06S.D Vial: 1
Acq On : 29 Feb 12 14:04 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @10ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.26	96	300480	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.44	117	206848	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.62	152	85352	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.86	111	50469	10.85894 ppb		0.02
Spiked Amount 41.312			Recovery = 26.286%			
34) 1,2-DCA-D4(S)	12.64	65	53351	10.34101 ppb		-0.01
Spiked Amount 41.649			Recovery = 24.829%			
52) Toluene-D8(S)	15.90	98	175157	12.29323 ppb		0.00
Spiked Amount 35.274			Recovery = 34.850%			
60) 4-Bromofluorobenzene(S)	20.50	95	61100	11.76356 ppb		0.00
Spiked Amount 35.584			Recovery = 33.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.54	85	104130	9.64963 ppb		97
3) Chloromethane	5.04	50	138731	9.50404 ppb		97
4) Vinyl chloride	5.28	62	29984	10.13949 ppb		96
5) Bromomethane	6.20	94	24958	9.70919 ppb		89
6) Chloroethane	6.40	64	55980	9.81194 ppb		95
7) Dichlorofluoromethane	6.50	67	156145	9.33696 ppb		94
8) Trichlorofluoromethane	7.03	101	85975	9.98354 ppb		97
9) Acrolein	7.64	56	111860	137.86459 ppb		99
10) Acetone	7.78	43	34208	10.59051 ppb		88
11) Freon-113	7.94	101	66621	9.70790 ppb		89
12) 1,1-DCE	8.17	96	56906	9.71326 ppb		90
13) t-Butanol	8.33	59	14195	121.34219 ppb	#	94
14) Methyl Acetate	8.67	43	105316	10.13594 ppb		94
15) Iodomethane	8.65	142	28483	10.27347 ppb		97
16) Acrylonitrile	9.06	53	19416	9.07807 ppb		81
17) Methylene chloride	8.95	86	41475	10.42247 ppb		94
18) Carbon disulfide	9.07	76	249305	9.82742 ppb		99
19) Methyl t-butyl ether (MtBE	9.37	73	120773	8.91431 ppb		95
20) Trans-1,2-DCE	9.56	96	58971	9.27017 ppb		99
21) Diisopropyl Ether	10.21	45	245127	9.24778 ppb		99
22) 1,1-DCA	10.26	63	123935	9.55707 ppb		99
23) Vinyl Acetate	10.21	43	188951	9.08993 ppb	#	97
24) Ethyl tert Butyl Ether	10.89	59	179219	9.38646 ppb	#	89
25) MEK (2-Butanone)	10.87	43	54972	9.35662 ppb		97
26) Cis-1,2-DCE	11.26	96	60551	9.29747 ppb		90
27) 2,2-Dichloropropane	11.25	77	86879	8.77737 ppb		93
28) Chloroform	11.54	83	99164	9.24683 ppb		96
29) Bromochloromethane	11.75	128	20641	9.65101 ppb		92
31) 1,1,1-TCA	12.27	97	92109	9.36405 ppb		94
32) Cyclohexane	12.43	56	129238	9.39181 ppb		95
33) 1,1-Dichloropropene	12.54	75	90467	9.38842 ppb		94
35) Carbon Tetrachloride	12.73	117	66443	9.03714 ppb		98
36) Tert Amyl Methyl Ether	12.76	73	134992	9.37619 ppb		95
37) 1,2-DCA	12.81	62	68230	9.25129 ppb		99
38) Benzene	12.92	78	238697	9.45963 ppb		98
39) TCE	13.95	95	58461	9.17482 ppb		94
40) 2-Pentanone	13.60	43	721186	138.02556 ppb		100
41) 1,2-Dichloropropane	14.17	63	62597	9.21424 ppb		98
42) Bromodichloromethane	14.53	83	73062	9.56224 ppb		95

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N06S.D
Acq On : 29 Feb 12 14:04
Sample : Vol Std 02-29-12 @10ug/kg
Misc : Soil 5mL w/ IS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	Dibromomethane	14.58	93	32520	9.42311	ppb		95
44)	Methyl Cyclohexane	14.23	83	107770	9.76107	ppb		94
45)	2-Chloroethyl vinyl ether	14.96	63	26923	8.62314	ppb		92
46)	1-Bromo-2-chloroethane	15.29	63	71792	9.40035	ppb		90
47)	Cis-1,3-Dichloropropene	15.39	75	83156	8.90581	ppb		94
48)	Toluene	16.03	91	229976	9.53039	ppb		99
49)	Trans-1,3-Dichloropropene	16.18	75	72868	9.18190	ppb		92
50)	1,1,2-TCA	16.47	83	32082	9.00141	ppb	#	79
53)	1,2-EDB	17.73	107	39008	9.43100	ppb	#	86
54)	Tetrachloroethene	17.19	129	40831	9.89717	ppb		96
55)	1-Chlorohexane	18.08	91	88884	9.65980	ppb		93
56)	1,1,1,2-Tetrachloroethane	18.54	131	38758	9.07358	ppb		82
57)	m&p-Xylene	18.74	106	175517	20.04832	ppb		95
58)	o-Xylene	19.49	106	81119	10.14648	ppb		93
59)	Styrene	19.51	78	79272	9.69462	ppb		91
61)	2-Hexanone	16.49	43	42920	9.43781	ppb		92
62)	1,3-Dichloropropane	16.88	76	69409	9.65858	ppb		98
63)	Dibromochloromethane	17.36	129	46077	9.41915	ppb		96
64)	Chlorobenzene	18.50	112	126190	9.85921	ppb		99
65)	Ethylbenzene	18.60	91	252858	9.82446	ppb		94
66)	Bromoform	20.03	173	28461	9.71561	ppb		93
68)	MIBK (methyl isobutyl keto	15.06	43	62549	10.32702	ppb		94
69)	Isopropylbenzene	20.12	105	223420	10.61560	ppb		100
70)	1,1,2,2-Tetrachloroethane	20.28	83	50099	10.46227	ppb		87
71)	1,2,3-Trichloropropane	20.53	110	11111	10.03187	ppb		95
72)	t-1,4-Dichloro-2-Butene	20.60	53	16447	10.21843	ppb	#	78
73)	Bromobenzene	20.88	156	45609	10.53572	ppb		83
74)	n-Propylbenzene	20.83	91	286769	10.25030	ppb		100
75)	2-Chlorotoluene	21.13	91	189713	10.77726	ppb		91
76)	1,3,5-Trimethylbenzene	21.09	105	174822	10.67099	ppb		94
77)	4-Chlorotoluene	21.21	91	152411	10.32163	ppb		99
78)	Tert-Butylbenzene	21.75	119	172703	10.66184	ppb		97
79)	1,2,4-Trimethylbenzene	21.81	105	170675	10.48850	ppb		97
80)	Sec-Butylbenzene	22.15	105	257162	10.86762	ppb		97
81)	p-Isopropyltoluene	22.37	119	185276	10.40094	ppb		96
82)	Benzyl Chloride	22.81	91	82249	9.91781	ppb		94
83)	1,3-DCB	22.51	146	83439	10.52934	ppb		97
84)	1,4-DCB	22.68	146	79798	10.34978	ppb		91
85)	n-Butylbenzene	23.06	91	211333	10.57094	ppb		97
86)	1,2-DCB	23.31	146	69889	9.96099	ppb		97
87)	1,2-Dibromo-3-chloropropan	24.51	155	5843	8.82072	ppb	#	72
88)	1,2,4-Trichlorobenzene	25.94	180	49168	10.42795	ppb		97
89)	Hexachlorobutadiene	26.18	225	14752	10.32998	ppb		95
90)	Naphthalene	26.29	128	89836	10.26709	ppb	#	88
91)	1,2,3-Trichlorobenzene	26.65	180	42642	10.80188	ppb	#	86

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

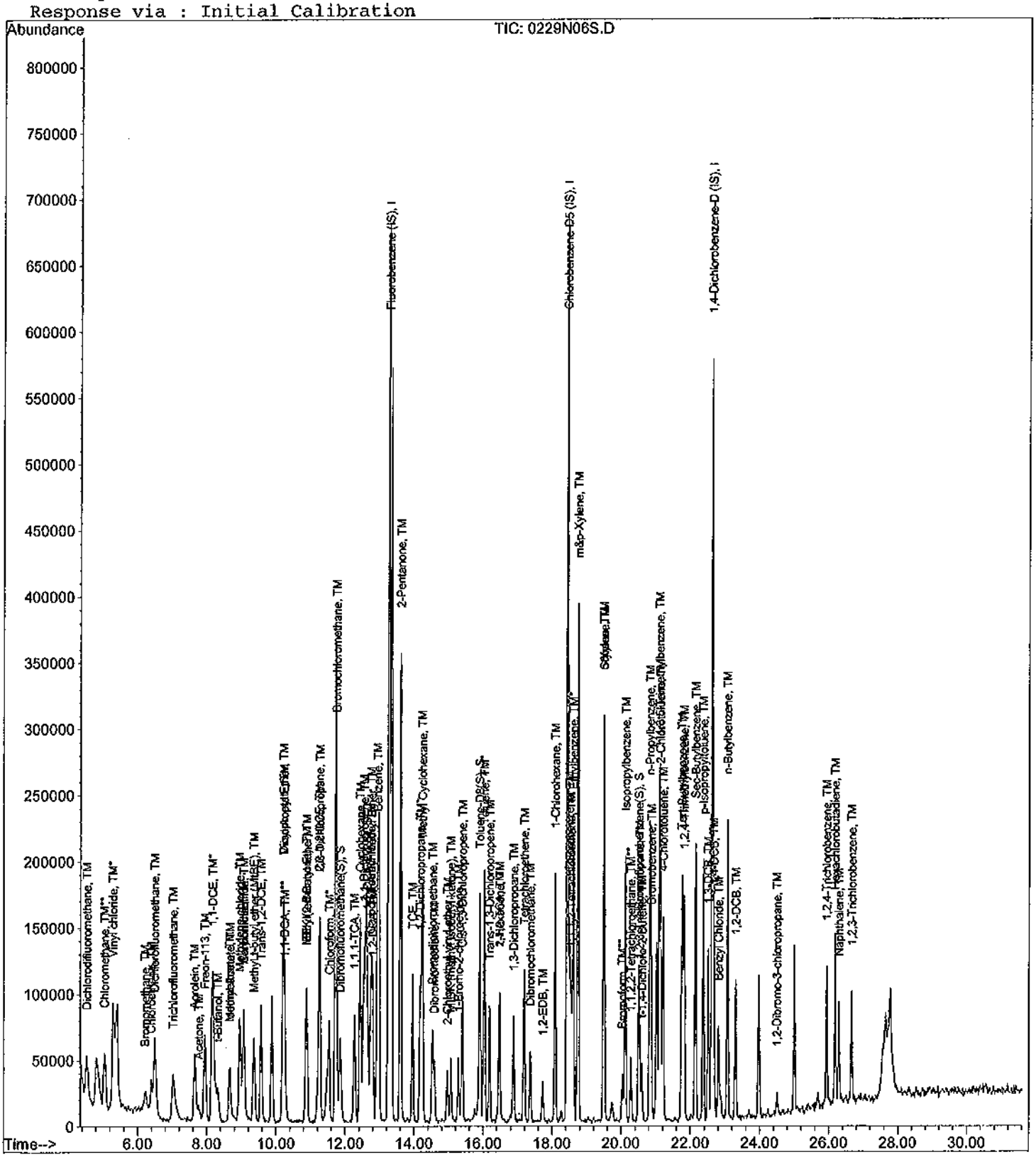
Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N06S.D
Acq On : 29 Feb 12 14:04
Sample : Vol Std 02-29-12 @10ug/kg
Misc : Soil 5mL w/ IS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N07S.D Vial: 1
Acq On : 29 Feb 12 14:42 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @20ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.26	96	306816	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.44	117	211200	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.63	152	93712	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.86	111	106363	20.03211 ppb		0.02
Spiked Amount 41.312			Recovery =	48.490%		
34) 1,2-DCA-D4(S)	12.65	65	113624	19.72197 ppb		0.00
Spiked Amount 41.649			Recovery =	47.353%		
52) Toluene-D8(S)	15.90	98	363488	21.57891 ppb		0.00
Spiked Amount 35.274			Recovery =	61.175%		
60) 4-Bromofluorobenzene(S)	20.50	95	118705	20.62012 ppb		0.00
Spiked Amount 35.584			Recovery =	57.948%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.52	85	229528	20.83090 ppb		98
3) Chloromethane	5.04	50	299619	20.10212 ppb		94
4) Vinyl chloride	5.27	62	62032	20.54375 ppb		96
5) Bromomethane	6.19	94	75158	20.19029 ppb		90
6) Chloroethane	6.38	64	123407	21.18357 ppb		99
7) Dichlorofluoromethane	6.49	67	344690	20.18569 ppb		100
8) Trichlorofluoromethane	7.01	101	184666	21.00085 ppb		91
9) Acrolein	7.65	56	168130	202.93675 ppb		98
10) Acetone	7.79	43	62314	22.86818 ppb		96
11) Freon-113	7.94	101	149205	21.29292 ppb		93
12) 1,1-DCE	8.16	96	124779	20.85864 ppb		82
13) t-Butanol	8.25	59	9227	77.24574 ppb		95
14) Methyl Acetate	8.66	43	227547	29.52755 ppb		96
15) Iodomethane	8.65	142	79232	20.47939 ppb		98
16) Acrylonitrile	9.04	53	42748	19.57434 ppb	#	57
17) Methylene chloride	8.95	86	82645	20.33940 ppb		90
18) Carbon disulfide	9.06	76	512207	19.77387 ppb		93
19) Methyl t-butyl ether (MtBE	9.36	73	276793	20.00831 ppb		96
20) Trans-1,2-DCE	9.56	96	132708	20.43072 ppb		96
21) Diisopropyl Ether	10.20	45	532349	19.66892 ppb		100
22) 1,1-DCA	10.24	63	273695	20.66976 ppb		98
23) Vinyl Acetate	10.20	43	409504	19.29331 ppb	#	96
24) Ethyl tert Butyl Ether	10.89	59	370671	19.01270 ppb		97
25) MEK (2-Butanone)	10.88	43	116539	19.42614 ppb		100
26) Cis-1,2-DCE	11.25	96	136271	20.49200 ppb		96
27) 2,2-Dichloropropane	11.24	77	214387	21.21220 ppb		90
28) Chloroform	11.53	83	218245	19.93062 ppb		99
29) Bromochloromethane	11.75	128	44444	20.35133 ppb		89
31) 1,1,1-TCA	12.26	97	204694	20.38000 ppb		97
32) Cyclohexane	12.44	56	299361	21.30550 ppb		95
33) 1,1-Dichloropropene	12.53	75	208595	21.20040 ppb		89
35) Carbon Tetrachloride	12.73	117	161165	21.46791 ppb		93
36) Tert Amyl Methyl Ether	12.76	73	292146	19.87266 ppb		96
37) 1,2-DCA	12.80	62	149044	19.79152 ppb		96
38) Benzene	12.92	78	510561	19.81584 ppb		98
39) TCE	13.95	95	133295	20.48722 ppb		95
40) 2-Pentanone	13.60	43	1028355	192.74932 ppb		98
41) 1,2-Dichloropropane	14.17	63	138068	19.90382 ppb	#	96
42) Bromodichloromethane	14.53	83	155495	19.93067 ppb		96

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N07S.D Vial: 1
Acq On : 29 Feb 12 14:42 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @20ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	Dibromomethane	14.58	93	67231	19.07879	ppb		95
44)	Methyl Cyclohexane	14.22	83	239151	21.21335	ppb		93
45)	2-Chloroethyl vinyl ether	14.97	63	64941	20.37034	ppb		93
46)	1-Bromo-2-chloroethane	15.29	63	151865	19.47437	ppb		92
47)	Cis-1,3-Dichloropropene	15.40	75	183483	19.24479	ppb		94
48)	Toluene	16.03	91	487008	19.76523	ppb		96
49)	Trans-1,3-Dichloropropene	16.19	75	158996	19.62094	ppb		97
50)	1,1,2-TCA	16.47	83	72002	19.78478	ppb		92
53)	1,2-EDB	17.73	107	86505	20.48344	ppb	#	85
54)	Tetrachloroethene	17.20	129	93070	22.09471	ppb		94
55)	1-Chlorohexane	18.09	91	203314	21.64060	ppb		92
56)	1,1,1,2-Tetrachloroethane	18.55	131	86094	19.74001	ppb		100
57)	m&p-Xylene	18.74	106	356972	39.93469	ppb		93
58)	o-Xylene	19.49	106	160559	19.66912	ppb		94
59)	Styrene	19.51	78	166314	19.92035	ppb		95
61)	2-Hexanone	16.49	43	92107	19.83634	ppb		93
62)	1,3-Dichloropropane	16.88	76	148207	20.19870	ppb		92
63)	Dibromochloromethane	17.37	129	98335	19.68761	ppb		99
64)	Chlorobenzene	18.50	112	267397	20.46120	ppb		95
65)	Ethylbenzene	18.60	91	529075	20.13292	ppb		97
66)	Bromoform	20.04	173	59572	19.91680	ppb		99
68)	MIBK (methyl isobutyl keto	15.07	43	124123	18.66489	ppb		95
69)	Isopropylbenzene	20.12	105	453867	19.64127	ppb		96
70)	1,1,2,2-Tetrachloroethane	20.29	83	103137	19.61687	ppb		94
71)	1,2,3-Trichloropropane	20.54	110	23000	18.91365	ppb		80
72)	t-1,4-Dichloro-2-Butene	20.60	53	34599	19.57851	ppb		99
73)	Bromobenzene	20.88	156	88457	18.61077	ppb		95
74)	n-Propylbenzene	20.83	91	610269	19.86755	ppb		97
75)	2-Chlorotoluene	21.13	91	374415	19.37239	ppb		95
76)	1,3,5-Trimethylbenzene	21.10	105	348324	19.36469	ppb		99
77)	4-Chlorotoluene	21.21	91	314879	19.42200	ppb		95
78)	Tert-Butylbenzene	21.76	119	334526	18.80965	ppb		93
79)	1,2,4-Trimethylbenzene	21.82	105	357136	19.98920	ppb		99
80)	Sec-Butylbenzene	22.15	105	512205	19.71469	ppb		99
81)	p-Isopropyltoluene	22.37	119	388371	19.85724	ppb		95
82)	Benzyl Chloride	22.81	91	177130	19.45340	ppb		92
83)	1,3-DCB	22.52	146	175778	20.20297	ppb		95
84)	1,4-DCB	22.69	146	163041	19.25991	ppb		93
85)	n-Butylbenzene	23.07	91	428245	19.50999	ppb		96
86)	1,2-DCB	23.31	146	142353	18.47902	ppb		94
87)	1,2-Dibromo-3-chloropropan	24.51	155	14640	20.12926	ppb		91
88)	1,2,4-Trichlorobenzene	25.94	180	98793	19.08364	ppb		97
89)	Hexachlorobutadiene	26.18	225	30352	19.35773	ppb		91
90)	Naphthalene	26.29	128	188587	19.63031	ppb		96
91)	1,2,3-Trichlorobenzene	26.66	180	83775	19.32834	ppb		90

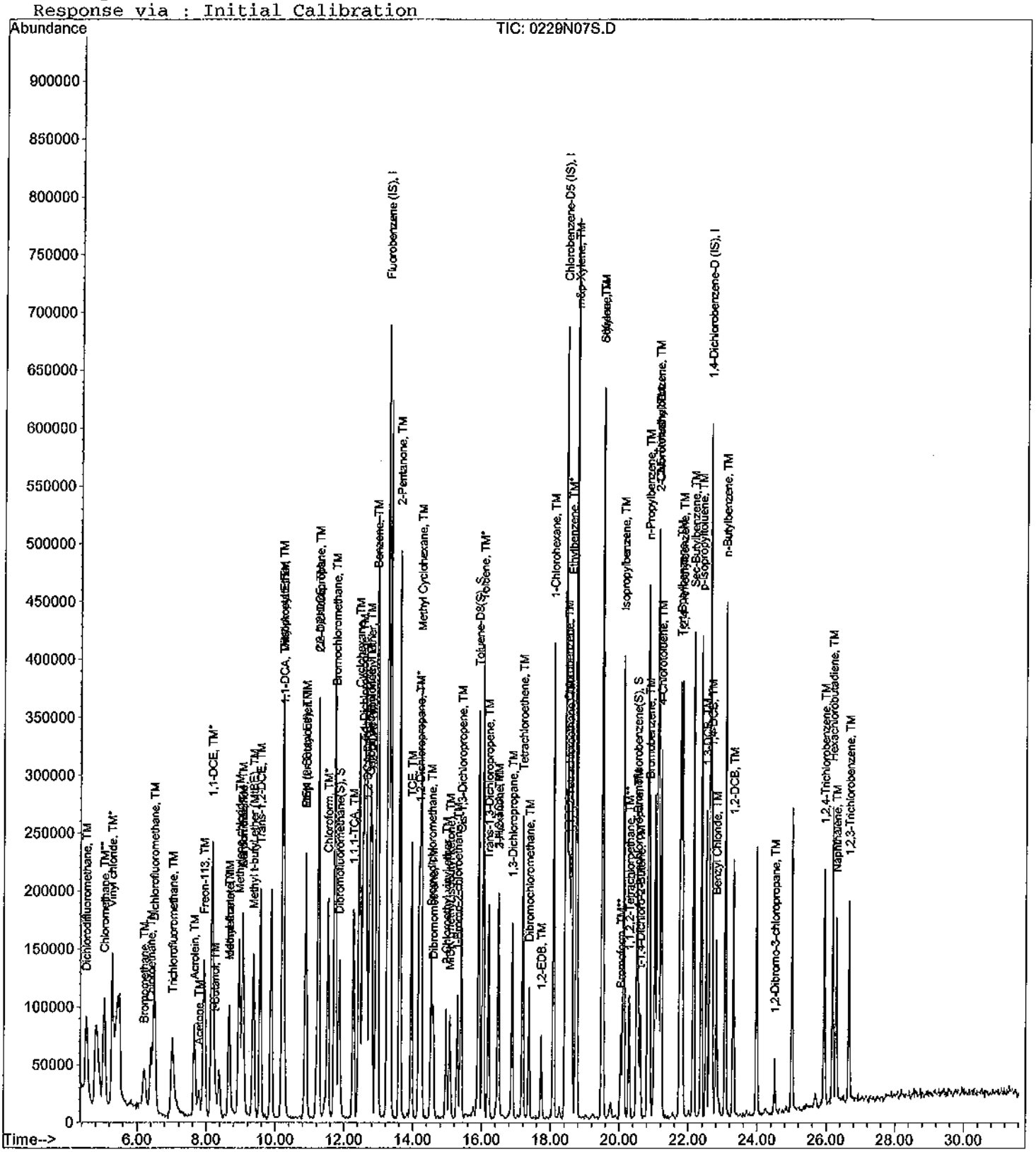
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N07S.D Vial: 1
Acq On : 29 Feb 12 14:42 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @20ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N08S.D Vial: 1
Acq On : 29 Feb 12 15:20 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @50ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.26	96	323392	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.44	117	221376	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.62	152	92592	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.86	111	277162	46.23047 ppb		0.02
Spiked Amount 41.312			Recovery = 111.906%			
34) 1,2-DCA-D4(S)	12.66	65	297607	46.48255 ppb		0.00
Spiked Amount 41.649			Recovery = 111.608%			
52) Toluene-D8(S)	15.91	98	919317	47.40594 ppb		0.00
Spiked Amount 35.274			Recovery = 134.392%			
60) 4-Bromofluorobenzene(S)	20.50	95	324018	50.56458 ppb		0.00
Spiked Amount 35.584			Recovery = 142.102%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.54	85	479143	41.25591 ppb		97
3) Chloromethane	5.05	50	607821	38.68983 ppb		92
4) Vinyl chloride	5.29	62	129144	40.57765 ppb		99
5) Bromomethane	6.22	94	163824	37.12694 ppb		92
6) Chloroethane	6.41	64	251565	40.96928 ppb		98
7) Dichlorofluoromethane	6.50	67	821727	45.65531 ppb		99
8) Trichlorofluoromethane	7.03	101	391067	42.19391 ppb		94
9) Acrolein	7.65	56	197015	225.61269 ppb		100
10) Acetone	7.77	43	106588	40.26858 ppb		86
11) Freon-113	7.96	101	328057	44.41707 ppb		96
12) 1,1-DCE	8.17	96	286804	45.48607 ppb		92
13) t-Butanol	8.30	59	27536	218.70746 ppb	#	89
14) Methyl Acetate	8.66	43	323560	42.14717 ppb		93
15) Iodomethane	8.67	142	200103	42.99102 ppb		99
16) Acrylonitrile	9.05	53	103359	44.90228 ppb		91
17) Methylene chloride	8.95	86	191538	44.72242 ppb		96
18) Carbon disulfide	9.07	76	1205296	44.14572 ppb		97
19) Methyl t-butyl ether (MtBE	9.37	73	675190	46.30522 ppb		99
20) Trans-1,2-DCE	9.57	96	320910	46.87254 ppb		94
21) Diisopropyl Ether	10.21	45	1321837	46.33516 ppb		95
22) 1,1-DCA	10.25	63	631565	45.25174 ppb		98
23) Vinyl Acetate	10.21	43	1064651	47.58879 ppb		99
24) Ethyl tert Butyl Ether	10.88	59	932149	45.36169 ppb		98
25) MEK (2-Butanone)	10.88	43	244710	38.70041 ppb		97
26) Cis-1,2-DCE	11.26	96	311613	44.45752 ppb		93
27) 2,2-Dichloropropane	11.26	77	477603	44.83355 ppb		93
28) Chloroform	11.54	83	535423	46.38978 ppb		97
29) Bromochloromethane	11.76	128	97283	42.26348 ppb		97
31) 1,1,1-TCA	12.28	97	472809	44.66152 ppb		98
32) Cyclohexane	12.44	56	646457	43.65007 ppb		100
33) 1,1-Dichloropropene	12.54	75	467595	45.08776 ppb		97
35) Carbon Tetrachloride	12.73	117	393848	49.77331 ppb		98
36) Tert Amyl Methyl Ether	12.77	73	731207	47.18947 ppb		98
37) 1,2-DCA	12.81	62	355261	44.75699 ppb		99
38) Benzene	12.94	78	1210933	44.58960 ppb		97
39) TCE	13.95	95	303175	44.20905 ppb		98
40) 2-Pentanone	13.60	43	1306473	232.32661 ppb		98
41) 1,2-Dichloropropane	14.18	63	337347	46.13909 ppb		100
42) Bromodichloromethane	14.53	83	376162	45.74347 ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N08S.D Vial: 1
Acq On : 29 Feb 12 15:20 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @50ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	Dibromomethane	14.59	93	171107	46.06784	ppb		94
44)	Methyl Cyclohexane	14.24	83	542210	45.63030	ppb		99
45)	2-Chloroethyl vinyl ether	14.96	63	166005	49.40254	ppb		98
46)	1-Bromo-2-chloroethane	15.30	63	380466	46.28820	ppb		99
47)	Cis-1,3-Dichloropropene	15.41	75	461972	45.97077	ppb		98
48)	Toluene	16.05	91	1139974	43.89442	ppb		97
49)	Trans-1,3-Dichloropropene	16.19	75	396414	46.41210	ppb		93
50)	1,1,2-TCA	16.47	83	179560	46.81069	ppb		94
53)	1,2-EDB	17.73	107	208948	47.20231	ppb	#	99
54)	Tetrachloroethene	17.19	129	218010	49.37627	ppb		96
55)	1-Chlorohexane	18.08	91	470250	47.75229	ppb		95
56)	1,1,1,2-Tetrachloroethane	18.56	131	222656	48.70486	ppb		93
57)	m&p-Xylene	18.75	106	866384	92.46767	ppb		99
58)	o-Xylene	19.49	106	418425	48.90254	ppb		91
59)	Styrene	19.51	78	415470	47.47568	ppb		95
61)	2-Hexanone	16.48	43	231930	47.65288	ppb		96
62)	1,3-Dichloropropane	16.88	76	366153	47.60809	ppb		97
63)	Dibromochloromethane	17.37	129	247383	47.25178	ppb		94
64)	Chlorobenzene	18.50	112	634989	46.35580	ppb		98
65)	Ethylbenzene	18.60	91	1293159	46.94668	ppb		99
66)	Bromoform	20.04	173	147120	46.92589	ppb		99
68)	MIBK (methyl isobutyl keto	15.06	43	327110	49.78388	ppb	#	98
69)	Isopropylbenzene	20.12	105	1111062	48.66324	ppb		97
70)	1,1,2,2-Tetrachloroethane	20.28	83	259591	49.97200	ppb		98
71)	1,2,3-Trichloropropane	20.53	110	63492	52.84309	ppb		97
72)	t-1,4-Dichloro-2-Butene	20.60	53	86714	49.66232	ppb	#	79
73)	Bromobenzene	20.88	156	232838	49.58013	ppb		96
74)	n-Propylbenzene	20.83	91	1486640	48.98358	ppb		97
75)	2-Chlorotoluene	21.13	91	906138	47.45106	ppb		99
76)	1,3,5-Trimethylbenzene	21.10	105	842813	47.42203	ppb		93
77)	4-Chlorotoluene	21.21	91	767587	47.91811	ppb		99
78)	Tert-Butylbenzene	21.76	119	850665	48.40956	ppb		99
79)	1,2,4-Trimethylbenzene	21.82	105	860294	48.73381	ppb		96
80)	Sec-Butylbenzene	22.15	105	1240734	48.33332	ppb		98
81)	p-Isopropyltoluene	22.37	119	947428	49.02752	ppb		96
82)	Benzyl Chloride	22.81	91	398709	44.31811	ppb		96
83)	1,3-DCB	22.52	146	408019	47.46274	ppb		100
84)	1,4-DCB	22.68	146	405061	48.42835	ppb		95
85)	n-Butylbenzene	23.07	91	1049254	48.38015	ppb		96
86)	1,2-DCB	23.31	146	359197	47.19182	ppb		95
87)	1,2-Dibromo-3-chloropropan	24.51	155	34892	48.55504	ppb		89
88)	1,2,4-Trichlorobenzene	25.95	180	230368	45.03798	ppb		92
89)	Hexachlorobutadiene	26.19	225	76152	49.15529	ppb		94
90)	Naphthalene	26.29	128	445511	46.93486	ppb		98
91)	1,2,3-Trichlorobenzene	26.66	180	201757	47.11188	ppb		98

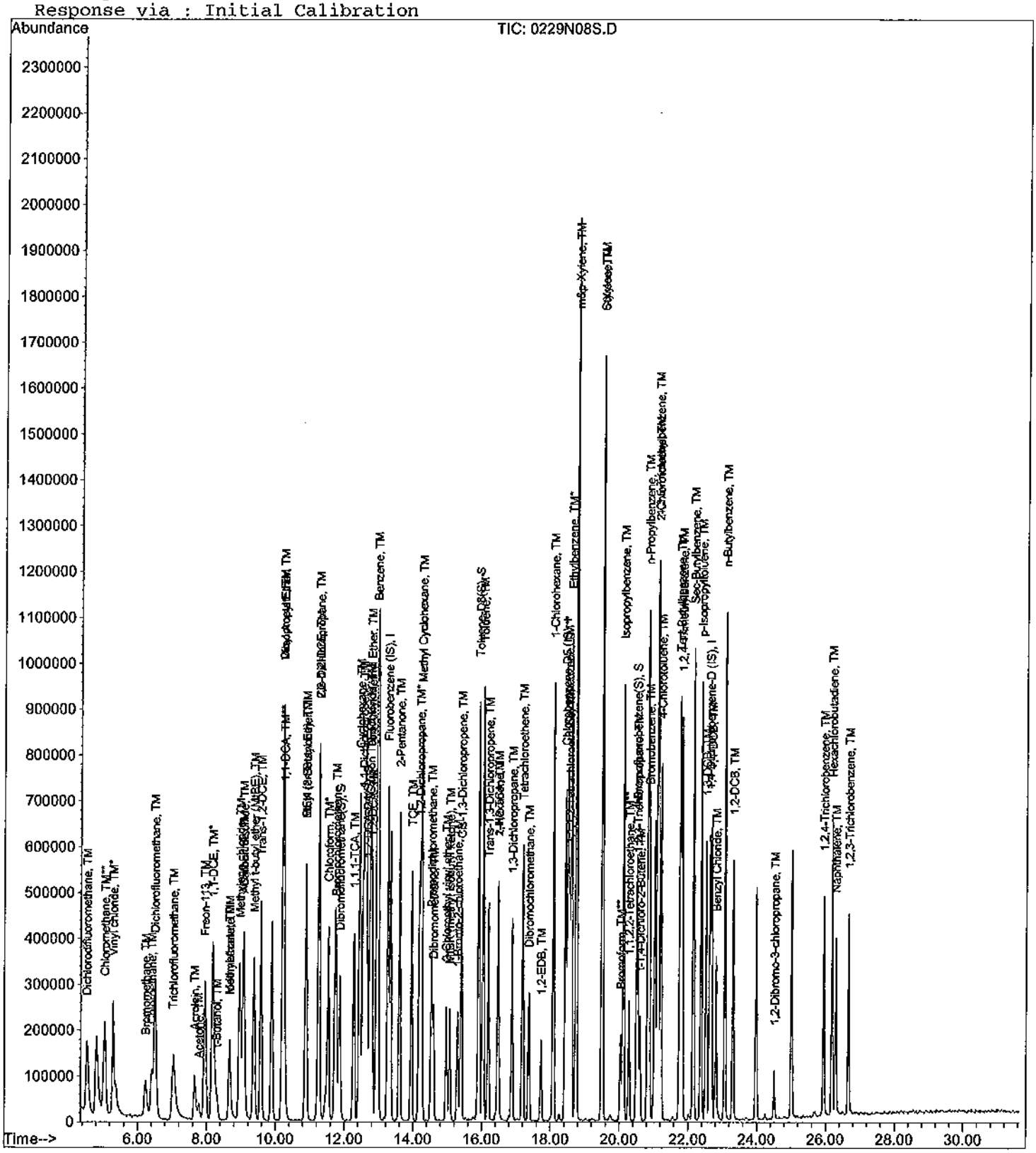
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N08S.D Vial: 1
Acq On : 29 Feb 12 15:20 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @50ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N09S.D Vial: 1
Acq On : 29 Feb 12 15:58 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @100ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.26	96	311872	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.44	117	212800	50.00000 ppb	0.00
67) 1,4-Dichlorobenzene-D (IS)	22.63	152	96312	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.86	111	621452	104.52232 ppb	0.02
Spiked Amount 41.312			Recovery	= 253.009%	
34) 1,2-DCA-D4(S)	12.65	65	649883	103.10236 ppb	0.00
Spiked Amount 41.649			Recovery	= 247.553%	
52) Toluene-D8(S)	15.90	98	1933948	99.82476 ppb	0.00
Spiked Amount 35.274			Recovery	= 282.996%	
60) 4-Bromofluorobenzene(S)	20.50	95	648119	103.10721 ppb	0.00
Spiked Amount 35.584			Recovery	= 289.760%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.53	85	1079973	96.42438 ppb	95
3) Chloromethane	5.04	50	1313692	86.70968 ppb	95
4) Vinyl chloride	5.28	62	286656	93.39564 ppb	99
5) Bromomethane	6.21	94	419763	91.46570 ppb	92
6) Chloroethane	6.42	64	569728	96.21186 ppb	99
7) Dichlorofluoromethane	6.50	67	1710817	98.56442 ppb	99
8) Trichlorofluoromethane	7.02	101	878675	98.30595 ppb	97
9) Acrolein	7.65	56	249344	296.08475 ppb	100
10) Acetone	7.79	43	231550	97.06058 ppb	100
11) Freon-113	7.94	101	730222	102.51995 ppb	94
12) 1,1-DCE	8.17	96	593353	97.57965 ppb	98
13) t-Butanol	8.34	59	35328	290.96093 ppb	96
14) Methyl Acetate	8.66	43	697057	100.18543 ppb	100
15) Iodomethane	8.66	142	444813	93.41281 ppb	96
16) Acrylonitrile	9.04	53	222839	100.38393 ppb	96
17) Methylene chloride	8.95	86	396251	95.93865 ppb	94
18) Carbon disulfide	9.07	76	2564210	97.38708 ppb	99
19) Methyl t-butyl ether (MtBE	9.37	73	1436366	102.14615 ppb	97
20) Trans-1,2-DCE	9.57	96	658814	99.78172 ppb	89
21) Diisopropyl Ether	10.21	45	2796815	101.65983 ppb	98
22) 1,1-DCA	10.25	63	1337461	99.36907 ppb	98
23) Vinyl Acetate	10.21	43	2257905	104.65403 ppb	98
24) Ethyl tert Butyl Ether	10.88	59	1962542	99.03204 ppb	100
25) MEK (2-Butanone)	10.88	43	550176	90.22323 ppb	97
26) Cis-1,2-DCE	11.26	96	682550	100.97574 ppb	96
27) 2,2-Dichloropropane	11.26	77	1037396	100.97957 ppb	96
28) Chloroform	11.54	83	1124344	101.01302 ppb	97
29) Bromochloromethane	11.76	128	198596	89.46469 ppb	94
31) 1,1,1-TCA	12.28	97	1016240	99.53985 ppb	97
32) Cyclohexane	12.43	56	1440876	100.88458 ppb	97
33) 1,1-Dichloropropene	12.53	75	1040881	104.07412 ppb	97
35) Carbon Tetrachloride	12.73	117	835290	109.46065 ppb	95
36) Tert Amyl Methyl Ether	12.77	73	1478435	98.93725 ppb	99
37) 1,2-DCA	12.81	62	761766	99.51482 ppb	100
38) Benzene	12.94	78	2607082	99.54537 ppb	98
39) TCE	13.95	95	673278	101.80407 ppb	95
40) 2-Pentanone	13.61	43	1645545	303.43186 ppb	96
41) 1,2-Dichloropropane	14.18	63	709701	100.65155 ppb	98
42) Bromodichloromethane	14.52	83	815309	102.80858 ppb	99

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N09S.D Vial: 1
Acq On : 29 Feb 12 15:58 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @100ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	Dibromomethane	14.59	93	355123	99.14293	ppb		97
44)	Methyl Cyclohexane	14.24	83	1126194	98.27701	ppb		97
45)	2-Chloroethyl vinyl ether	14.96	63	321419	99.18649	ppb		94
46)	1-Bromo-2-chloroethane	15.29	63	787059	99.29208	ppb		99
47)	Cis-1,3-Dichloropropene	15.41	75	1004212	103.62020	ppb		94
48)	Toluene	16.04	91	2437652	97.32827	ppb		97
49)	Trans-1,3-Dichloropropene	16.19	75	824328	100.07721	ppb		96
50)	1,1,2-TCA	16.48	83	378690	102.36988	ppb		91
53)	1,2-EDB	17.73	107	453247	106.51699	ppb	#	94
54)	Tetrachloroethene	17.19	129	437176	103.00472	ppb		98
55)	1-Chlorohexane	18.08	91	1007427	106.42358	ppb		99
56)	1,1,1,2-Tetrachloroethane	18.55	131	460187	104.72037	ppb		97
57)	m&p-Xylene	18.74	106	1802319	200.11059	ppb		98
58)	o-Xylene	19.50	106	835141	101.53890	ppb		96
59)	Styrene	19.51	78	845183	100.47112	ppb		98
61)	2-Hexanone	16.49	43	475150	101.55981	ppb		92
62)	1,3-Dichloropropane	16.88	76	774597	104.77384	ppb		99
63)	Dibromochloromethane	17.36	129	530919	105.49588	ppb		94
64)	Chlorobenzene	18.50	112	1347556	102.33957	ppb		100
65)	Ethylbenzene	18.60	91	2622242	99.03407	ppb		99
66)	Bromoform	20.04	173	324659	107.72765	ppb		100
68)	MIBK (methyl isobutyl keto	15.06	43	659047	96.42827	ppb		100
69)	Isopropylbenzene	20.12	105	2347280	98.83726	ppb		98
70)	1,1,2,2-Tetrachloroethane	20.29	83	534373	98.89507	ppb		99
71)	1,2,3-Trichloropropane	20.54	110	121673	97.35460	ppb		98
72)	t-1,4-Dichloro-2-Butene	20.60	53	178015	98.01385	ppb		91
73)	Bromobenzene	20.88	156	460938	94.36031	ppb		98
74)	n-Propylbenzene	20.83	91	3136093	99.34059	ppb		98
75)	2-Chlorotoluene	21.13	91	1910052	96.15898	ppb		99
76)	1,3,5-Trimethylbenzene	21.10	105	1795248	97.11055	ppb		97
77)	4-Chlorotoluene	21.21	91	1577374	94.66726	ppb		100
78)	Tert-Butylbenzene	21.76	119	1710720	93.59325	ppb		100
79)	1,2,4-Trimethylbenzene	21.82	105	1743805	94.96739	ppb		99
80)	Sec-Butylbenzene	22.15	105	2580898	96.65668	ppb		100
81)	p-Isopropyltoluene	22.37	119	1996793	99.33902	ppb		98
82)	Benzyl Chloride	22.81	91	857940	91.68013	ppb		97
83)	1,3-DCB	22.52	146	878780	98.27558	ppb		98
84)	1,4-DCB	22.68	146	854566	98.22406	ppb		95
85)	n-Butylbenzene	23.07	91	2134317	94.61033	ppb		95
86)	1,2-DCB	23.31	146	780483	98.58039	ppb		99
87)	1,2-Dibromo-3-chloropropan	24.51	155	76180	101.91602	ppb		98
88)	1,2,4-Trichlorobenzene	25.95	180	493585	92.77091	ppb		90
89)	Hexachlorobutadiene	26.19	225	171008	106.12030	ppb		92
90)	Naphthalene	26.29	128	941621	95.36880	ppb		97
91)	1,2,3-Trichlorobenzene	26.67	180	419102	94.08375	ppb		97

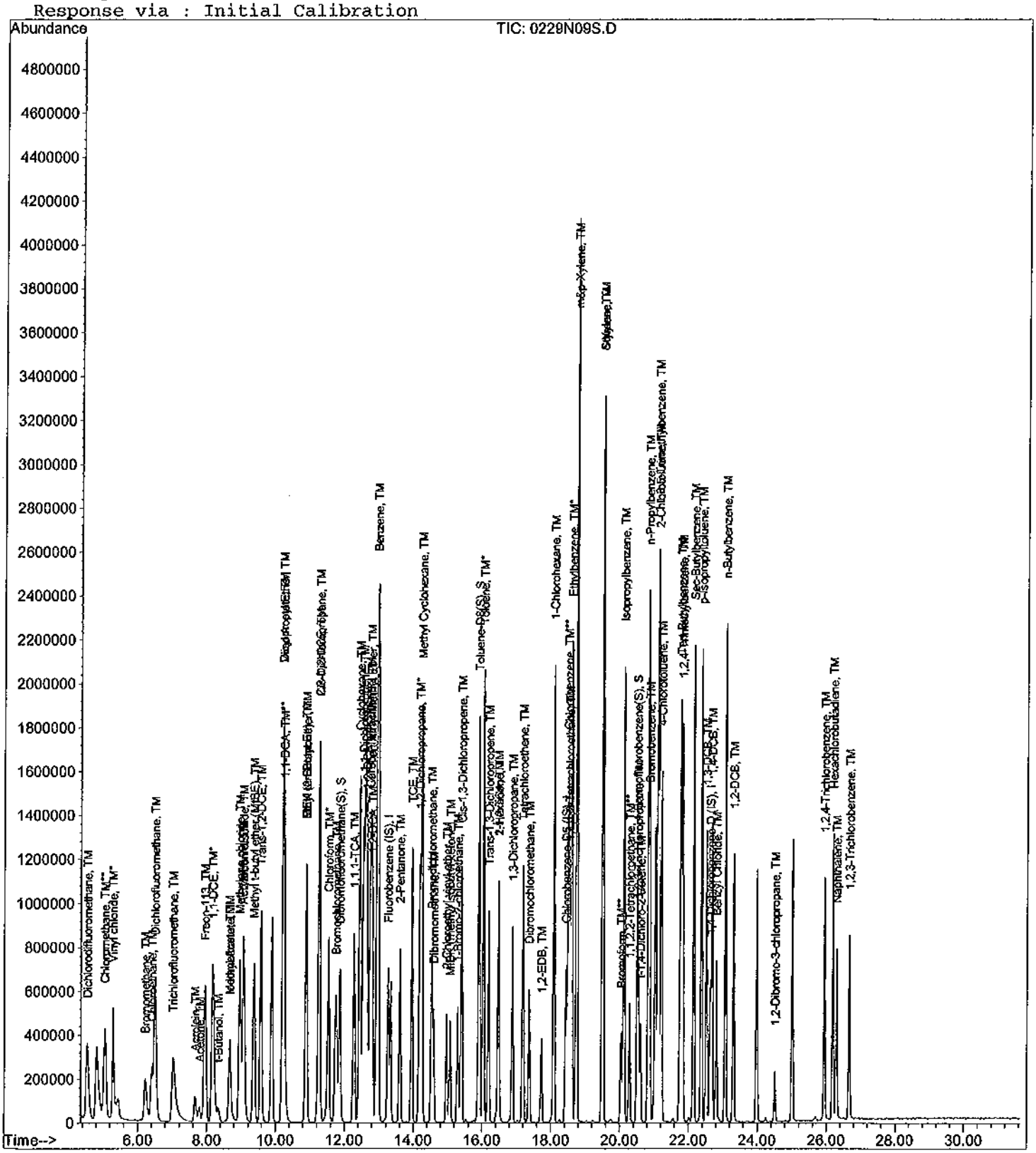
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N09S.D Vial: 1
Acq On : 29 Feb 12 15:58 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @100ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N10S.D Vial: 1
Acq On : 29 Feb 12 16:37 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @200ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.26	96	320896	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.44	117	212928	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.63	152	83464	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.86	111	1238419	200.33714 ppb		0.01
Spiked Amount 41.312			Recovery = 484.941%			
34) 1,2-DCA-D4(S)	12.65	65	1311184	200.53205 ppb		0.00
Spiked Amount 41.649			Recovery = 481.487%			
52) Toluene-D8(S)	15.91	98	4012442	203.44417 ppb		0.00
Spiked Amount 35.274			Recovery = 576.749%			
60) 4-Bromofluorobenzene(S)	20.50	95	1280100	201.62253 ppb		0.00
Spiked Amount 35.584			Recovery = 566.618%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.53	85	2241544	194.50613 ppb		99
3) Chloromethane	5.04	50	2763965	177.30405 ppb		99
4) Vinyl chloride	5.28	62	597760	189.27991 ppb		98
5) Bromomethane	6.19	94	990651	204.18684 ppb		97
6) Chloroethane	6.38	64	1191385	195.53534 ppb		94
7) Dichlorofluoromethane	6.48	67	3533287	197.83705 ppb		100
8) Trichlorofluoromethane	7.02	101	1898297	206.40860 ppb		93
9) Acrolein	7.65	56	296465	342.13904 ppb		97
10) Acetone	7.79	43	483617	202.24183 ppb		98
11) Freon-113	7.93	101	1509764	206.00350 ppb		96
12) 1,1-DCE	8.16	96	1252647	200.21052 ppb		96
13) t-Butanol	8.16	59	16824	134.66569 ppb	#	84
14) Methyl Acetate	8.66	43	1453634	200.11554 ppb		98
15) Iodomethane	8.65	142	1015202	201.89740 ppb		97
16) Acrylonitrile	9.04	53	455671	199.49705 ppb		96
17) Methylene chloride	8.95	86	793527	186.72267 ppb		100
18) Carbon disulfide	9.05	76	5400921	199.35525 ppb		99
19) Methyl t-butyl ether (MtBE	9.36	73	2819666	194.87971 ppb		98
20) Trans-1,2-DCE	9.57	96	1356661	199.69702 ppb		94
21) Diisopropyl Ether	10.20	45	5514789	194.81689 ppb		97
22) 1,1-DCA	10.25	63	2719547	196.37163 ppb		98
23) Vinyl Acetate	10.20	43	4064660	183.09926 ppb		100
24) Ethyl tert Butyl Ether	10.88	59	3863422	189.47024 ppb		99
25) MEK (2-Butanone)	10.87	43	1080462	172.20206 ppb		96
26) Cis-1,2-DCE	11.26	96	1340933	192.79765 ppb		98
27) 2,2-Dichloropropane	11.25	77	2089766	197.69638 ppb		97
28) Chloroform	11.53	83	2242485	195.80320 ppb		99
29) Bromochloromethane	11.76	128	396771	173.71334 ppb		97
31) 1,1,1-TCA	12.26	97	2040511	194.24583 ppb		95
32) Cyclohexane	12.43	56	2973261	202.32209 ppb		99
33) 1,1-Dichloropropene	12.53	75	2046509	198.86915 ppb		96
35) Carbon Tetrachloride	12.73	117	1708056	217.53790 ppb		96
36) Tert Amyl Methyl Ether	12.77	73	3013045	195.96356 ppb		100
37) 1,2-DCA	12.80	62	1497421	190.11754 ppb		100
38) Benzene	12.92	78	5346323	198.39633 ppb		98
39) TCE	13.95	95	1332424	195.80566 ppb		96
40) 2-Pentanone	13.61	43	1880495	337.00448 ppb		97
41) 1,2-Dichloropropane	14.17	63	1429178	196.98967 ppb	#	98
42) Bromodichloromethane	14.53	83	1585358	194.28825 ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N10S.D Vial: 1
Acq On : 29 Feb 12 16:37 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @200ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	Dibromomethane	14.59	93	696288	188.92261 ppb		97
44)	Methyl Cyclohexane	14.23	83	2453887	208.11595 ppb		98
45)	2-Chloroethyl vinyl ether	14.96	63	674174	202.19252 ppb		100
46)	1-Bromo-2-chloroethane	15.29	63	1592329	195.23254 ppb		97
47)	Cis-1,3-Dichloropropene	15.39	75	1969799	197.53907 ppb		97
48)	Toluene	16.03	91	5011507	194.46781 ppb		99
49)	Trans-1,3-Dichloropropene	16.19	75	1647828	194.42812 ppb		95
50)	1,1,2-TCA	16.48	83	738628	194.05562 ppb		90
53)	1,2-EDB	17.73	107	873794	205.22575 ppb	#	96
54)	Tetrachloroethene	17.19	129	909123	214.07319 ppb		99
55)	1-Chlorohexane	18.08	91	2071393	218.68835 ppb		97
56)	1,1,1,2-Tetrachloroethane	18.55	131	892474	202.96972 ppb		91
57)	m&p-Xylene	18.75	106	3615245	401.15757 ppb		98
58)	o-Xylene	19.49	106	1583369	192.39494 ppb		98
59)	Styrene	19.51	78	1583930	188.17646 ppb		100
61)	2-Hexanone	16.50	43	932756	199.24987 ppb		96
62)	1,3-Dichloropropane	16.88	76	1501251	202.94073 ppb		97
63)	Dibromochloromethane	17.37	129	1031132	204.76718 ppb		99
64)	Chlorobenzene	18.50	112	2660851	201.95572 ppb		97
65)	Ethylbenzene	18.60	91	5344935	201.74051 ppb		100
66)	Bromoform	20.04	173	628993	208.58565 ppb		97
68)	MIBK (methyl isobutyl keto	15.07	43	1271943	214.75182 ppb		98
69)	Isopropylbenzene	20.13	105	4556198	221.38061 ppb		98
70)	1,1,2,2-Tetrachloroethane	20.29	83	999243	213.39412 ppb		99
71)	1,2,3-Trichloropropane	20.54	110	238415	220.12889 ppb		93
72)	t-1,4-Dichloro-2-Butene	20.60	53	348289	221.28492 ppb		96
73)	Bromobenzene	20.88	156	894733	211.35937 ppb		95
74)	n-Propylbenzene	20.83	91	6202019	226.70030 ppb		99
75)	2-Chlorotoluene	21.13	91	3633852	211.10237 ppb		96
76)	1,3,5-Trimethylbenzene	21.10	105	3597229	224.53872 ppb		93
77)	4-Chlorotoluene	21.21	91	3210428	222.33573 ppb		97
78)	Tert-Butylbenzene	21.76	119	3597439	227.11208 ppb		99
79)	1,2,4-Trimethylbenzene	21.82	105	3563627	223.94946 ppb		99
80)	Sec-Butylbenzene	22.16	105	5232713	226.13571 ppb		99
81)	p-Isopropyltoluene	22.37	119	3766617	216.23176 ppb		97
82)	Benzyl Chloride	22.81	91	1679447	207.09318 ppb		98
83)	1,3-DCB	22.52	146	1636298	211.15874 ppb		100
84)	1,4-DCB	22.69	146	1569027	208.10566 ppb		96
85)	n-Butylbenzene	23.07	91	4389512	224.53140 ppb		97
86)	1,2-DCB	23.31	146	1452346	211.67929 ppb		97
87)	1,2-Dibromo-3-chloropropan	24.51	155	143568	221.63602 ppb		98
88)	1,2,4-Trichlorobenzene	25.93	180	908311	196.99973 ppb		98
89)	Hexachlorobutadiene	26.18	225	307328	220.07229 ppb		98
90)	Naphthalene	26.29	128	1687967	197.27649 ppb		98
91)	1,2,3-Trichlorobenzene	26.66	180	748495	193.89429 ppb		96

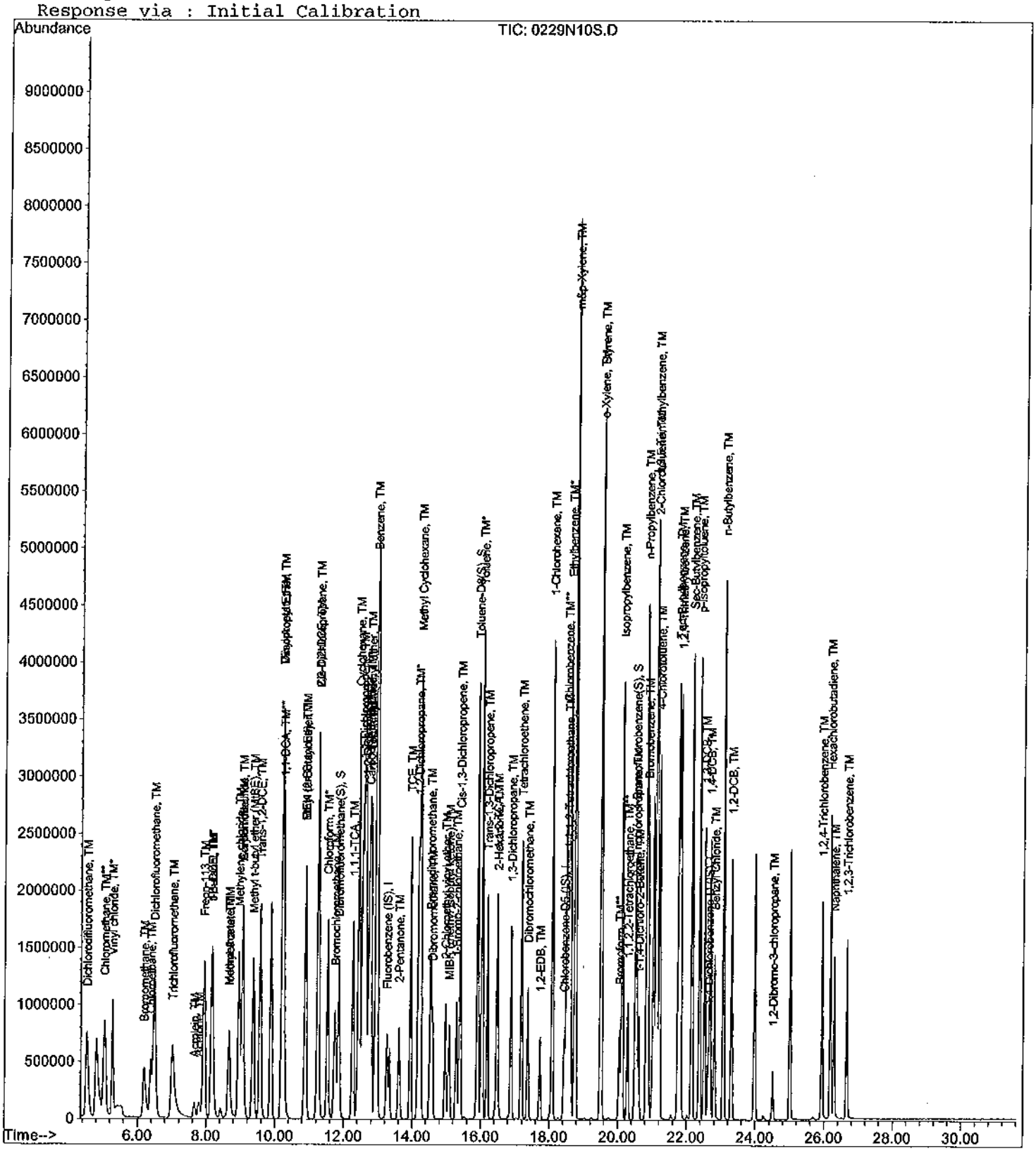
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N10S.D Vial: 1
Acq On : 29 Feb 12 16:37 Operator: SV,DG,RS
Sample : Vol Std 02-29-12 @200ug/kg Inst : Neo
Misc : Soil 5mL w/ IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:39 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N15S.D Vial: 1
Acq On : 29 Feb 12 19:46 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 2-29-12 Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:23 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.26	96	307392	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.43	117	236608	50.00000 ppb	0.00
67) 1,4-Dichlorobenzene-D (IS)	22.62	152	101016	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.86	111	265010	46.49110 ppb	0.01
Spiked Amount 41.312			Recovery = 112.537%		
34) 1,2-DCA-D4(S)	12.66	65	269026	44.28897 ppb	0.00
Spiked Amount 41.649			Recovery = 106.340%		
52) Toluene-D8(S)	15.90	98	752812	37.09229 ppb	0.00
Spiked Amount 35.274			Recovery = 105.153%		
60) 4-Bromofluorobenzene(S)	20.49	95	256187	37.91378 ppb	0.00
Spiked Amount 35.584			Recovery = 106.549%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.54	85	459691	41.64125 ppb	97
3) Chloromethane	5.06	50	689410	46.16740 ppb	98
4) Vinyl chloride	5.30	62	127200	42.04715 ppb	99
5) Bromomethane	6.22	94	195856	45.58000 ppb	89
6) Chloroethane	6.41	64	277907	47.61506 ppb	92
7) Dichlorofluoromethane	6.51	67	805617	47.09004 ppb	98
8) Trichlorofluoromethane	7.04	101	420771	47.76185 ppb	96
9) Acrolein	7.67	56	218908	263.73185 ppb	95
10) Acetone	7.78	43	130566	53.35864 ppb	89
11) Freon-113	7.95	101	319316	45.48393 ppb	94
12) 1,1-DCE	8.18	96	276940	46.20784 ppb	99
13) t-Butanol	8.30	59	30416	254.15669 ppb	96
14) Methyl Acetate	8.67	43	370843	52.06725 ppb	98
15) Iodomethane	8.67	142	216747	48.38302 ppb	95
16) Acrylonitrile	9.04	53	114952	52.53798 ppb	94
17) Methylene chloride	8.96	86	216345	53.14396 ppb	87
18) Carbon disulfide	9.07	76	1171293	45.13331 ppb	100
19) Methyl t-butyl ether (MtBE	9.37	73	780348	56.30267 ppb	97
20) Trans-1,2-DCE	9.57	96	325495	50.01685 ppb	95
21) Diisopropyl Ether	10.20	45	1489262	54.92127 ppb	99
22) 1,1-DCA	10.26	63	657608	49.57024 ppb	100
23) Vinyl Acetate	10.20	43	1173327	55.17638 ppb	99
24) Ethyl tert Butyl Ether	10.89	59	1053287	53.92465 ppb	99
25) MEK (2-Butanone)	10.87	43	290703	48.36710 ppb	96
26) Cis-1,2-DCE	11.25	96	349264	52.42280 ppb	98
27) 2,2-Dichloropropane	11.25	77	458803	45.31052 ppb	97
28) Chloroform	11.54	83	585766	53.39322 ppb	96
29) Bromochloromethane	11.76	128	105506	48.22166 ppb	82
31) 1,1,1-TCA	12.26	97	460286	45.74170 ppb	94
32) Cyclohexane	12.43	56	626075	44.47422 ppb	98
33) 1,1-Dichloropropene	12.54	75	471458	47.82649 ppb	94
35) Carbon Tetrachloride	12.73	117	360139	47.88227 ppb	90
36) Tert Amyl Methyl Ether	12.77	73	816510	55.43741 ppb	98
37) 1,2-DCA	12.80	62	404583	53.62381 ppb	99
38) Benzene	12.93	78	1288858	49.92927 ppb	98
39) TCE	13.95	95	315777	48.44345 ppb	92
40) 2-Pentanone	13.59	43	1449737	271.22172 ppb	100
41) 1,2-Dichloropropane	14.17	63	373367	53.72356 ppb	100
42) Bromodichloromethane	14.53	83	429252	54.91655 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N15S.D Vial: 1
Acq On : 29 Feb 12 19:46 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 2-29-12 Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:23 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	Dibromomethane	14.59	93	194589	55.11693	ppb		97
44)	Methyl Cyclohexane	14.23	83	486322	43.05727	ppb		100
45)	2-Chloroethyl vinyl ether	14.96	63	178612	55.92107	ppb		96
46)	1-Bromo-2-chloroethane	15.29	63	424354	54.31496	ppb		97
47)	Cis-1,3-Dichloropropene	15.39	75	531884	55.68263	ppb		98
48)	Toluene	16.03	91	1236406	50.08552	ppb		99
49)	Trans-1,3-Dichloropropene	16.18	75	430376	53.01112	ppb		97
50)	1,1,2-TCA	16.47	83	207760	56.98153	ppb		91
53)	1,2-EDB	17.72	107	244447	51.66671	ppb	#	90
54)	Tetrachloroethene	17.18	129	203979	43.22435	ppb		94
55)	1-Chlorohexane	18.08	91	456120	43.33568	ppb		94
56)	1,1,1,2-Tetrachloroethane	18.53	131	241452	49.41626	ppb		92
57)	m&p-Xylene	18.74	106	918407	91.70981	ppb		96
58)	o-Xylene	19.49	106	437938	47.88809	ppb		97
59)	Styrene	19.50	78	438348	46.86533	ppb		95
61)	2-Hexanone	16.48	43	257878	49.57328	ppb		99
62)	1,3-Dichloropropane	16.88	76	420354	51.13690	ppb		98
63)	Dibromochloromethane	17.36	129	275640	49.25969	ppb		96
64)	Chlorobenzene	18.49	112	703479	48.04964	ppb		98
65)	Ethylbenzene	18.60	91	1321853	44.89905	ppb		99
66)	Bromoform	20.03	173	179829	53.66630	ppb		95
68)	MIBK (methyl isobutyl keto	15.05	43	368744	51.44027	ppb		97
69)	Isopropylbenzene	20.12	105	1117732	44.87286	ppb		98
70)	1,1,2,2-Tetrachloroethane	20.28	83	308955	54.51495	ppb		98
71)	1,2,3-Trichloropropane	20.53	110	68740	52.43992	ppb		97
72)	t-1,4-Dichloro-2-Butene	20.59	53	93106	48.87635	ppb		100
73)	Bromobenzene	20.87	156	259685	50.68552	ppb		98
74)	n-Propylbenzene	20.83	91	1538050	46.45136	ppb		98
75)	2-Chlorotoluene	21.12	91	955289	45.85320	ppb		95
76)	1,3,5-Trimethylbenzene	21.09	105	908938	46.87772	ppb		93
77)	4-Chlorotoluene	21.20	91	834069	47.72625	ppb		100
78)	Tert-Butylbenzene	21.75	119	872174	45.49451	ppb		97
79)	1,2,4-Trimethylbenzene	21.81	105	924096	47.98261	ppb		98
80)	Sec-Butylbenzene	22.15	105	1262840	45.09201	ppb		97
81)	p-Isopropyltoluene	22.36	119	913925	43.34985	ppb		98
82)	Benzyl Chloride	22.79	91	455864	46.44552	ppb		98
83)	1,3-DCB	22.51	146	461743	49.23297	ppb		98
84)	1,4-DCB	22.67	146	448535	49.15400	ppb		94
85)	n-Butylbenzene	23.06	91	1007918	42.59858	ppb		100
86)	1,2-DCB	23.30	146	412499	49.67527	ppb		97
87)	1,2-Dibromo-3-chloropropan	24.50	155	38401	48.98175	ppb		83
88)	1,2,4-Trichlorobenzene	25.93	180	254978	45.69228	ppb		99
89)	Hexachlorobutadiene	26.18	225	79344	46.94468	ppb		96
90)	Naphthalene	26.28	128	527744	50.96168	ppb		99
91)	1,2,3-Trichlorobenzene	26.65	180	232445	49.75140	ppb		98

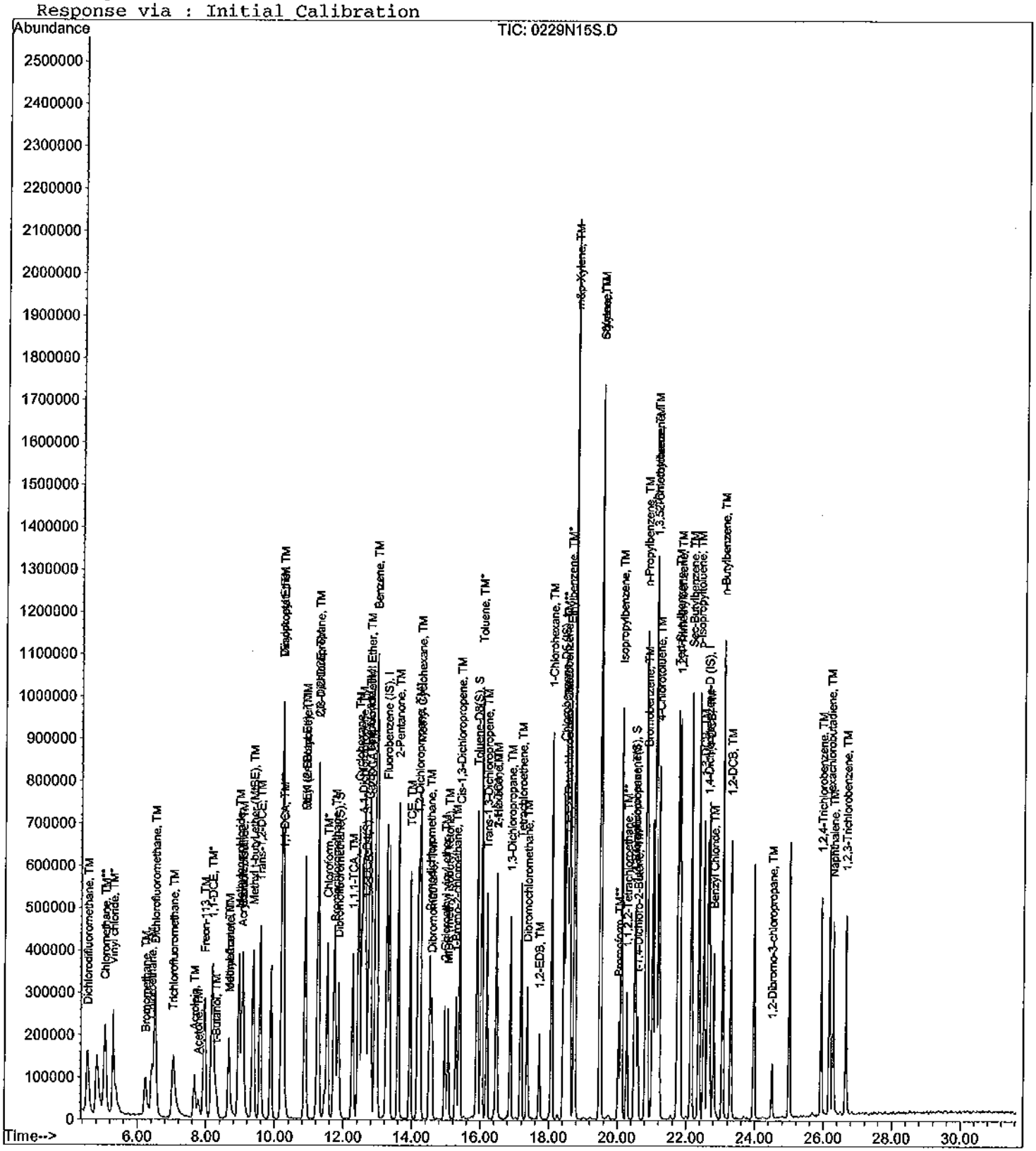
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N15S.D Vial: 1
Acq On : 29 Feb 12 19:46 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 2-29-12 Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:23 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N16S.D Vial: 1
Acq On : 29 Feb 12 20:24 Operator: SV,DG,RS
Sample : 120229A LCS-1SN (SS) Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:22 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.26	96	348992	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.43	117	255104	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.62	152	111496	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.85	111	269823	41.92394 ppb		0.00
Spiked Amount 41.312			Recovery = 101.482%			
34) 1,2-DCA-D4(S)	12.65	65	304442	44.15068 ppb		0.00
Spiked Amount 41.649			Recovery = 106.009%			
52) Toluene-D8(S)	15.90	98	837690	38.17601 ppb		0.00
Spiked Amount 35.274			Recovery = 108.226%			
60) 4-Bromofluorobenzene(S)	20.49	95	296466	40.55048 ppb		0.00
Spiked Amount 35.584			Recovery = 113.957%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.54	85	499418	39.84731 ppb		94
3) Chloromethane	5.05	50	753955	44.47135 ppb		99
4) Vinyl chloride	5.29	62	150464	43.80857 ppb		100
5) Bromomethane	6.23	94	240201	48.88920 ppb		90
6) Chloroethane	6.41	64	325801	49.16708 ppb		97
7) Dichlorofluoromethane	6.51	67	922355	47.48710 ppb		97
8) Trichlorofluoromethane	7.04	101	436531	43.64430 ppb		94
9) Acrolein	7.66	56	232768	247.00248 ppb		97
10) Acetone	7.78	43	134032	47.76011 ppb		87
11) Freon-113	7.94	101	338973	42.52844 ppb		96
12) 1,1-DCE	8.18	96	310792	45.67482 ppb		99
13) t-Butanol	8.30	59	30808	226.74621 ppb	#	89
14) Methyl Acetate	8.66	43	384432	47.02747 ppb		97
15) Iodomethane	8.66	142	252617	49.55265 ppb		97
16) Acrylonitrile	9.05	53	129854	52.27442 ppb		95
17) Methylene chloride	8.96	86	254159	54.99075 ppb		93
18) Carbon disulfide	9.07	76	1340837	45.50768 ppb		100
19) Methyl t-butyl ether (MtBE	9.36	73	930651	59.14317 ppb		96
20) Trans-1,2-DCE	9.57	96	363743	49.23157 ppb		93
21) Diisopropyl Ether	10.21	45	1791842	58.20312 ppb		99
22) 1,1-DCA	10.25	63	785764	52.17028 ppb		99
23) Vinyl Acetate	10.21	43	1390318	57.58712 ppb		98
24) Ethyl tert Butyl Ether	10.89	59	1295841	58.43451 ppb		96
25) MEK (2-Butanone)	10.87	43	318875	46.73025 ppb		96
26) Cis-1,2-DCE	11.26	96	404674	53.49939 ppb		94
27) 2,2-Dichloropropane	11.25	77	540238	46.99320 ppb		99
28) Chloroform	11.53	83	673909	54.10536 ppb		95
29) Bromochloromethane	11.76	128	127042	51.14338 ppb		89
31) 1,1,1-TCA	12.27	97	533764	46.72086 ppb		97
32) Cyclohexane	12.44	56	670844	41.97403 ppb		97
33) 1,1-Dichloropropene	12.53	75	526151	47.01246 ppb		96
35) Carbon Tetrachloride	12.72	117	420991	49.30086 ppb		99
36) Tert Amyl Methyl Ether	12.76	73	999922	59.79772 ppb		96
37) 1,2-DCA	12.80	62	462907	54.04069 ppb		97
38) Benzene	12.92	78	1442661	49.22566 ppb		97
39) TCE	13.95	95	347716	46.98468 ppb		95
40) 2-Pentanone	13.59	43	1541256	253.97274 ppb		96
41) 1,2-Dichloropropane	14.16	63	422245	53.51438 ppb		98
42) Bromodichloromethane	14.52	83	515833	58.12690 ppb	#	93

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N16S.D Vial: 1
Acq On : 29 Feb 12 20:24 Operator: SV,DG,RS
Sample : 120229A LCS-1SN (SS) Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:22 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	Dibromomethane	14.58	93	222196	55.43449	ppb		98
44)	Methyl Cyclohexane	14.23	83	536450	41.83395	ppb		95
45)	2-Chloroethyl vinyl ether	14.95	63	197716	54.52350	ppb		100
46)	1-Bromo-2-chloroethane	15.28	63	470738	53.06981	ppb		95
47)	Cis-1,3-Dichloropropene	15.39	75	627514	57.86332	ppb		97
48)	Toluene	16.03	91	1438049	51.30999	ppb		99
49)	Trans-1,3-Dichloropropene	16.18	75	505598	54.85313	ppb		94
50)	1,1,2-TCA	16.46	83	235643	56.92510	ppb		94
53)	1,2-EDB	17.72	107	274138	53.74122	ppb	#	92
54)	Tetrachloroethene	17.18	129	221420	43.51831	ppb		98
55)	1-Chlorohexane	18.08	91	494992	43.61911	ppb		94
56)	1,1,1,2-Tetrachloroethane	18.54	131	285558	54.20577	ppb		95
57)	m&p-Xylene	18.74	106	1059565	98.13420	ppb		99
58)	o-Xylene	19.49	106	513606	52.09033	ppb		100
59)	Styrene	19.50	78	516357	51.20294	ppb		93
61)	2-Hexanone	16.48	43	278706	49.69261	ppb		92
62)	1,3-Dichloropropane	16.88	76	484520	54.66925	ppb		98
63)	Dibromochloromethane	17.36	129	323433	53.61001	ppb		98
64)	Chlorobenzene	18.50	112	830848	52.63477	ppb		96
65)	Ethylbenzene	18.59	91	1545697	48.69569	ppb		98
66)	Bromoform	20.03	173	203549	56.34081	ppb		97
68)	MIBK (methyl isobutyl keto	15.06	43	389036	49.16985	ppb		99
69)	Isopropylbenzene	20.11	105	1316676	47.89121	ppb		98
70)	1,1,2,2-Tetrachloroethane	20.28	83	340818	54.48460	ppb		99
71)	1,2,3-Trichloropropane	20.52	110	75886	52.44994	ppb		98
72)	t-1,4-Dichloro-2-Butene	20.59	53	107904	51.32034	ppb		97
73)	Bromobenzene	20.87	156	306271	54.15940	ppb		98
74)	n-Propylbenzene	20.82	91	1769391	48.41531	ppb		99
75)	2-Chlorotoluene	21.12	91	1137814	49.48084	ppb		99
76)	1,3,5-Trimethylbenzene	21.09	105	1041488	48.66507	ppb		96
77)	4-Chlorotoluene	21.20	91	960900	49.81549	ppb		98
78)	Tert-Butylbenzene	21.75	119	1001249	47.31826	ppb		99
79)	1,2,4-Trimethylbenzene	21.81	105	1052711	49.52299	ppb		98
80)	Sec-Butylbenzene	22.14	105	1412680	45.70102	ppb		98
81)	p-Isopropyltoluene	22.36	119	1087533	46.73587	ppb		97
82)	Benzyl Chloride	22.80	91	494074	45.60699	ppb		96
83)	1,3-DCB	22.51	146	524956	50.71185	ppb		97
84)	1,4-DCB	22.67	146	504262	50.06678	ppb		96
85)	n-Butylbenzene	23.06	91	1124127	43.04435	ppb		99
86)	1,2-DCB	23.30	146	471498	51.44321	ppb		98
87)	1,2-Dibromo-3-chloropropan	24.50	155	44638	51.58546	ppb		95
88)	1,2,4-Trichlorobenzene	25.94	180	266111	43.20498	ppb		93
89)	Hexachlorobutadiene	26.18	225	85872	46.03146	ppb		98
90)	Naphthalene	26.28	128	546100	47.77750	ppb		99
91)	1,2,3-Trichlorobenzene	26.65	180	251499	48.76995	ppb		93

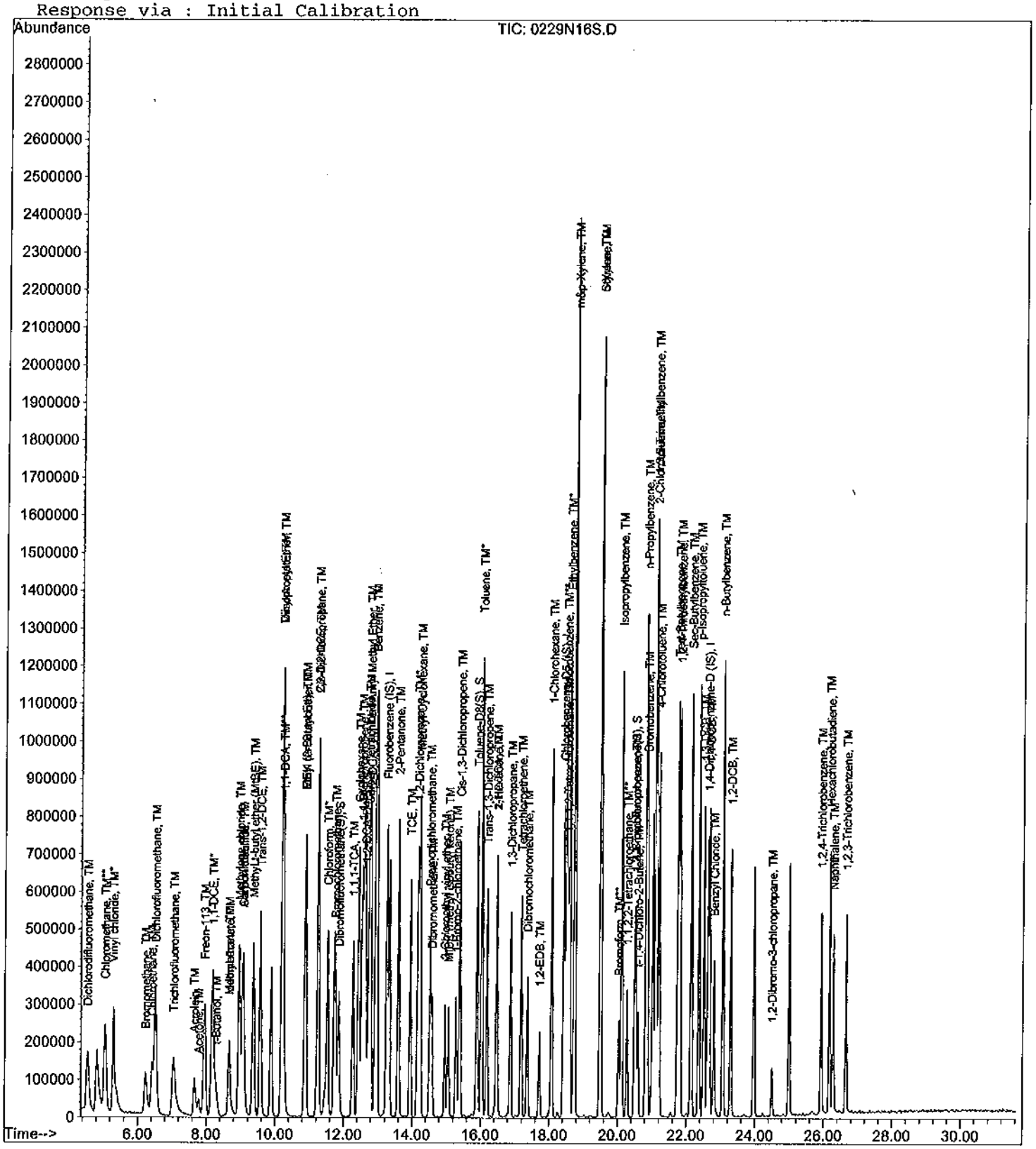
(#) = qualifier out of range (m) = manual integration

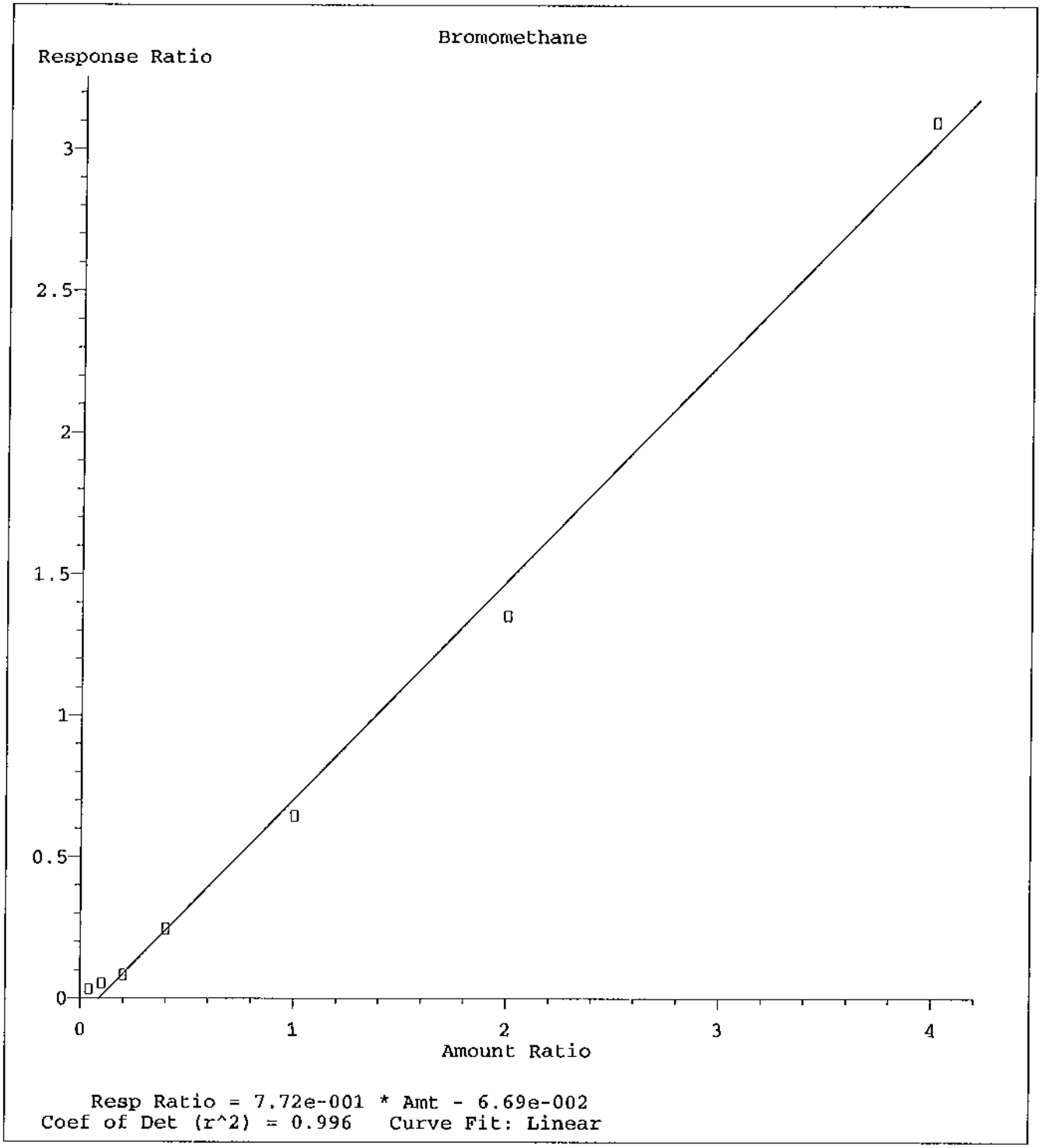
Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N16S.D Vial: 1
Acq On : 29 Feb 12 20:24 Operator: SV,DG,RS
Sample : 120229A LCS-1SN (SS) Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

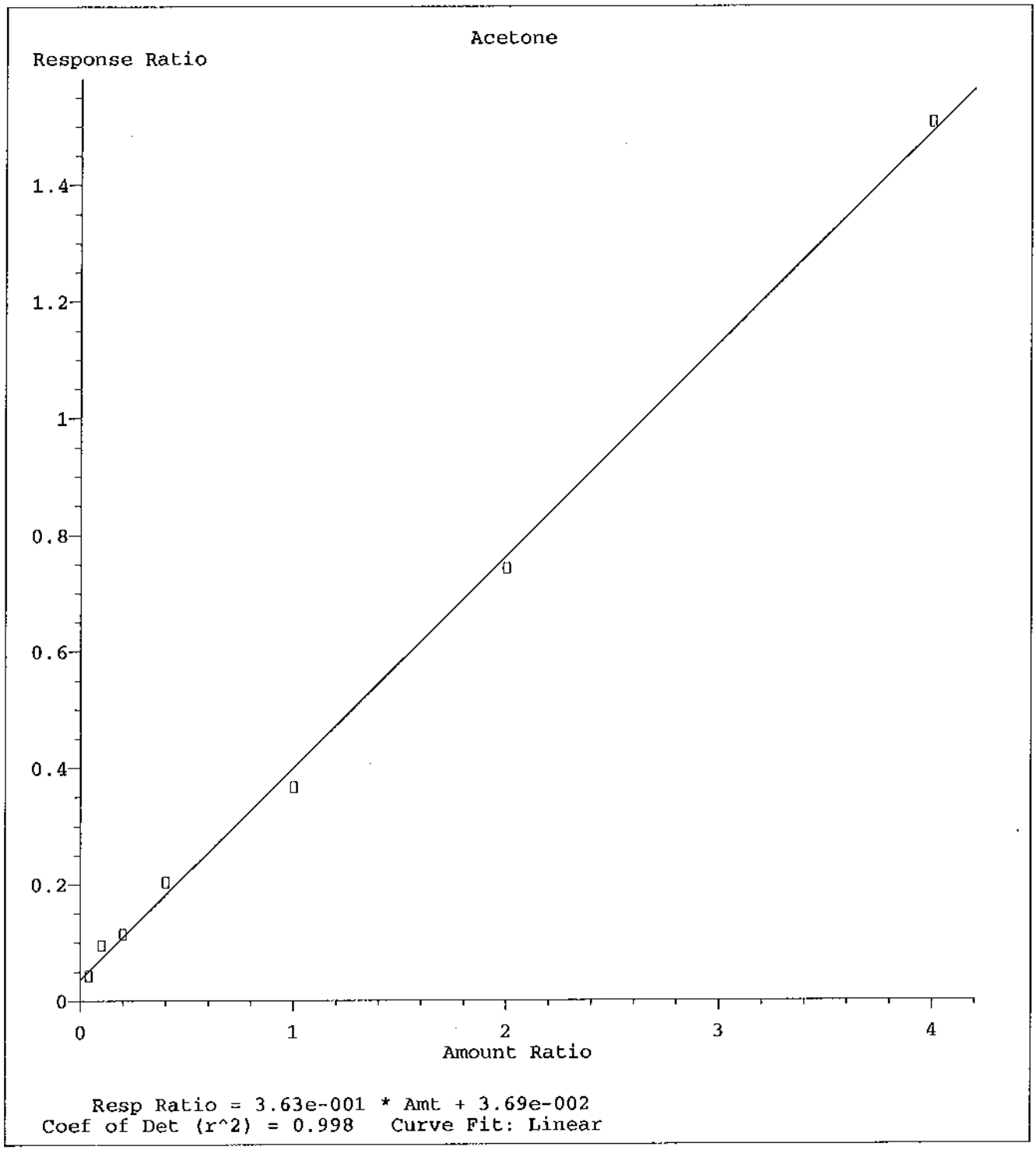
Quant Time: Mar 12 13:22 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration

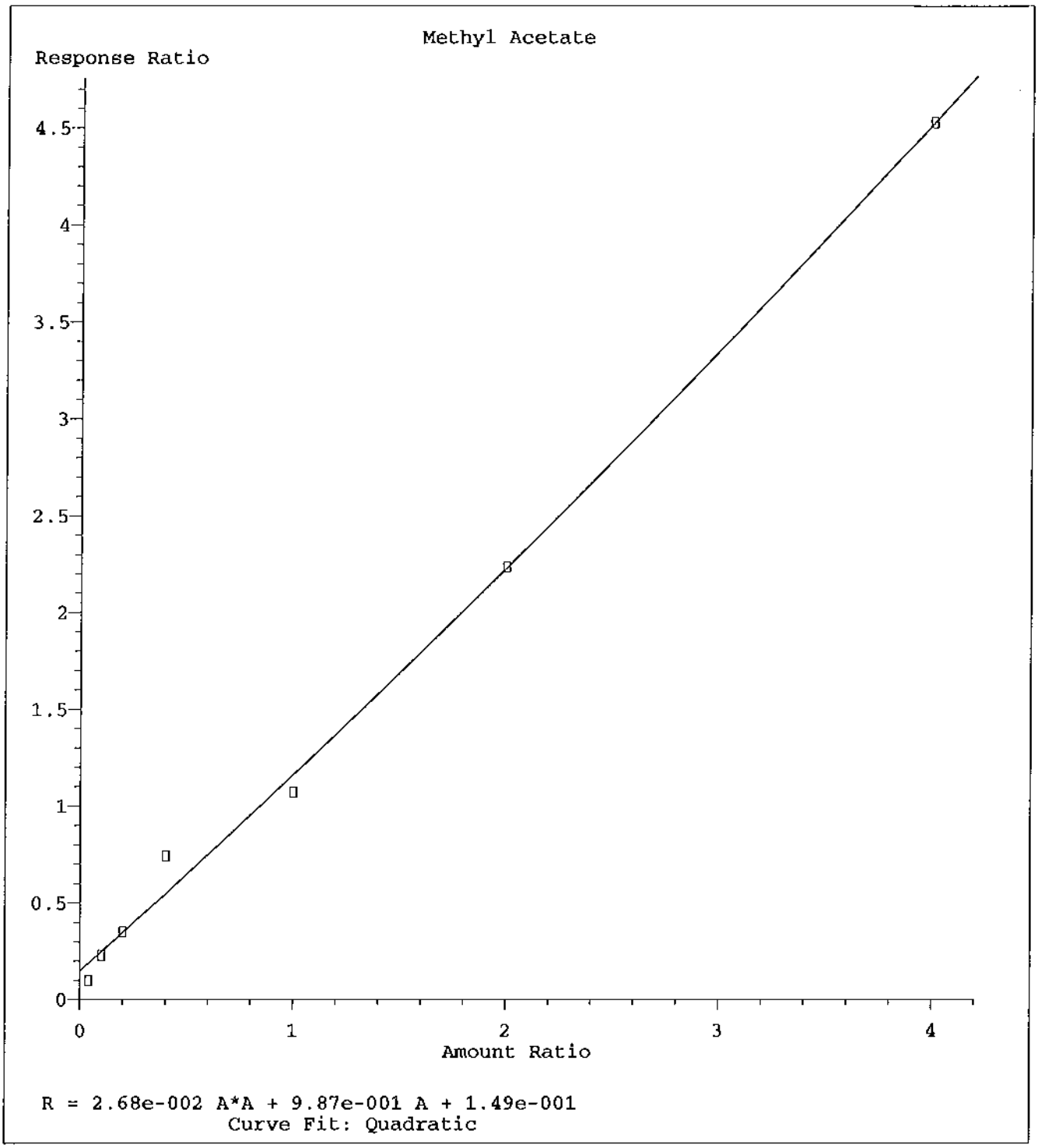




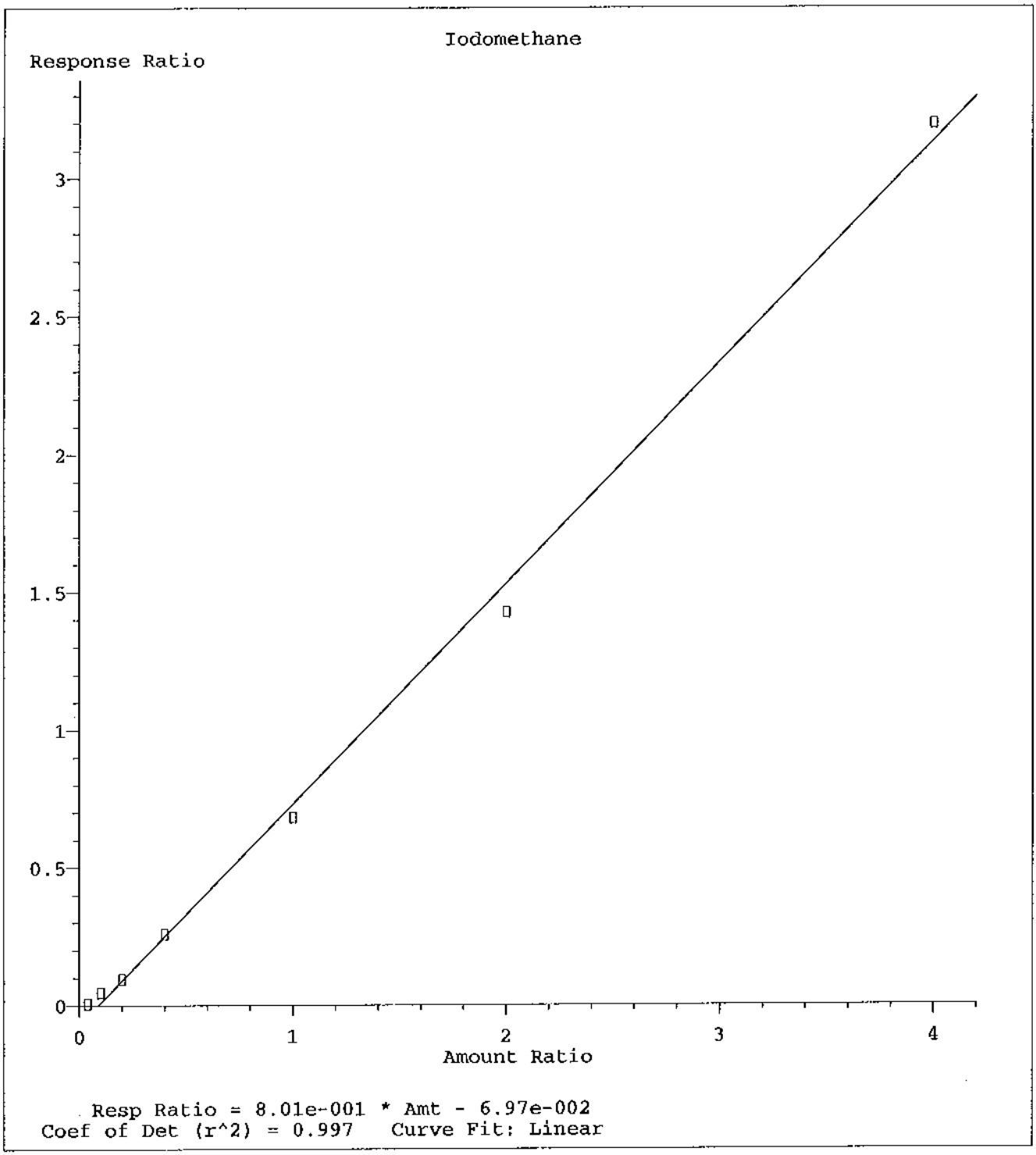
Method Name: M:\NEO\DATA\N120229\NALLS.M
Calibration Table Last Updated: Mon Mar 12 11:16:22 2012



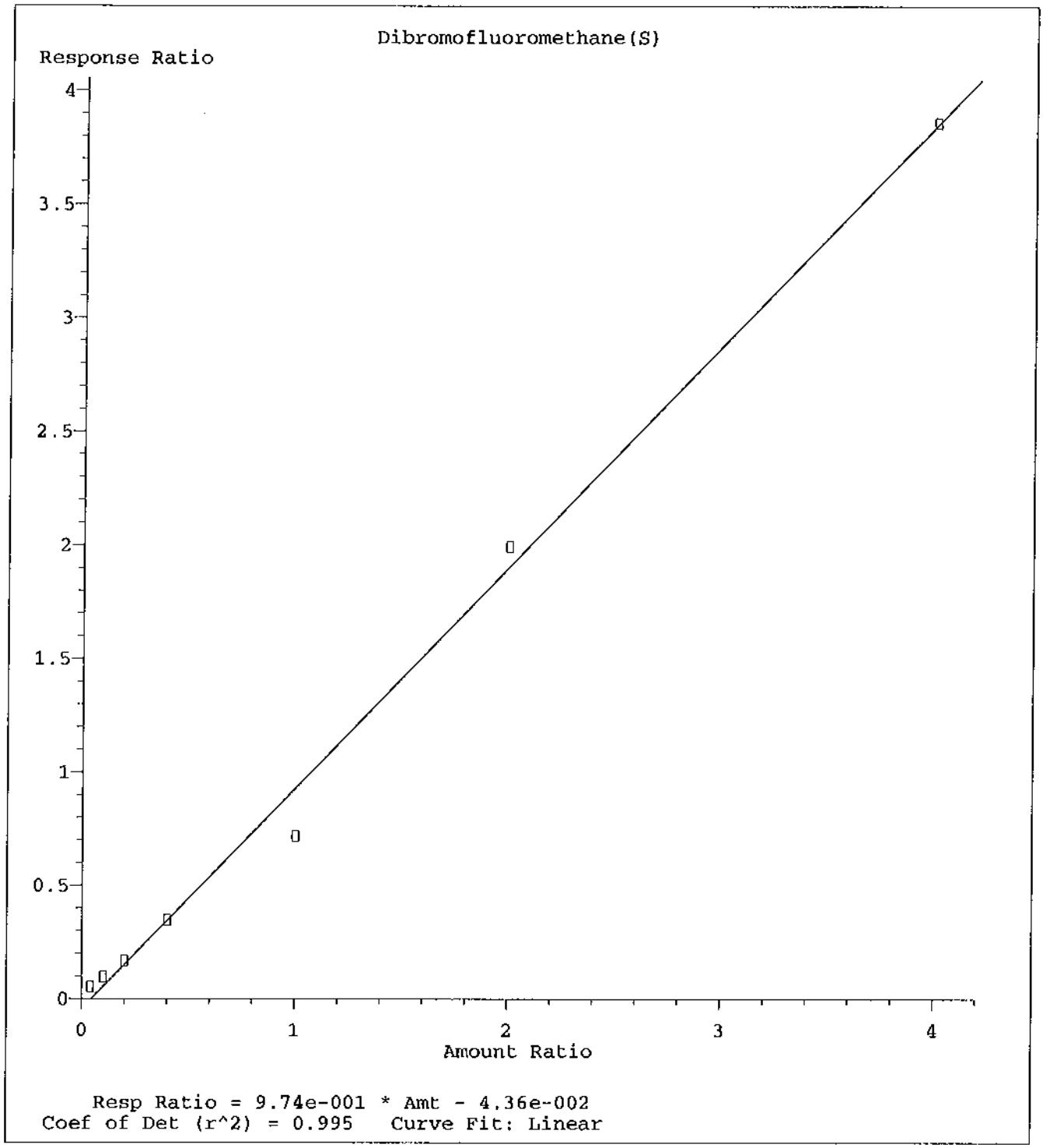
Method Name: M:\NEO\DATA\N120229\NALLS.M
Calibration Table Last Updated: Mon Mar 12 11:16:22 2012



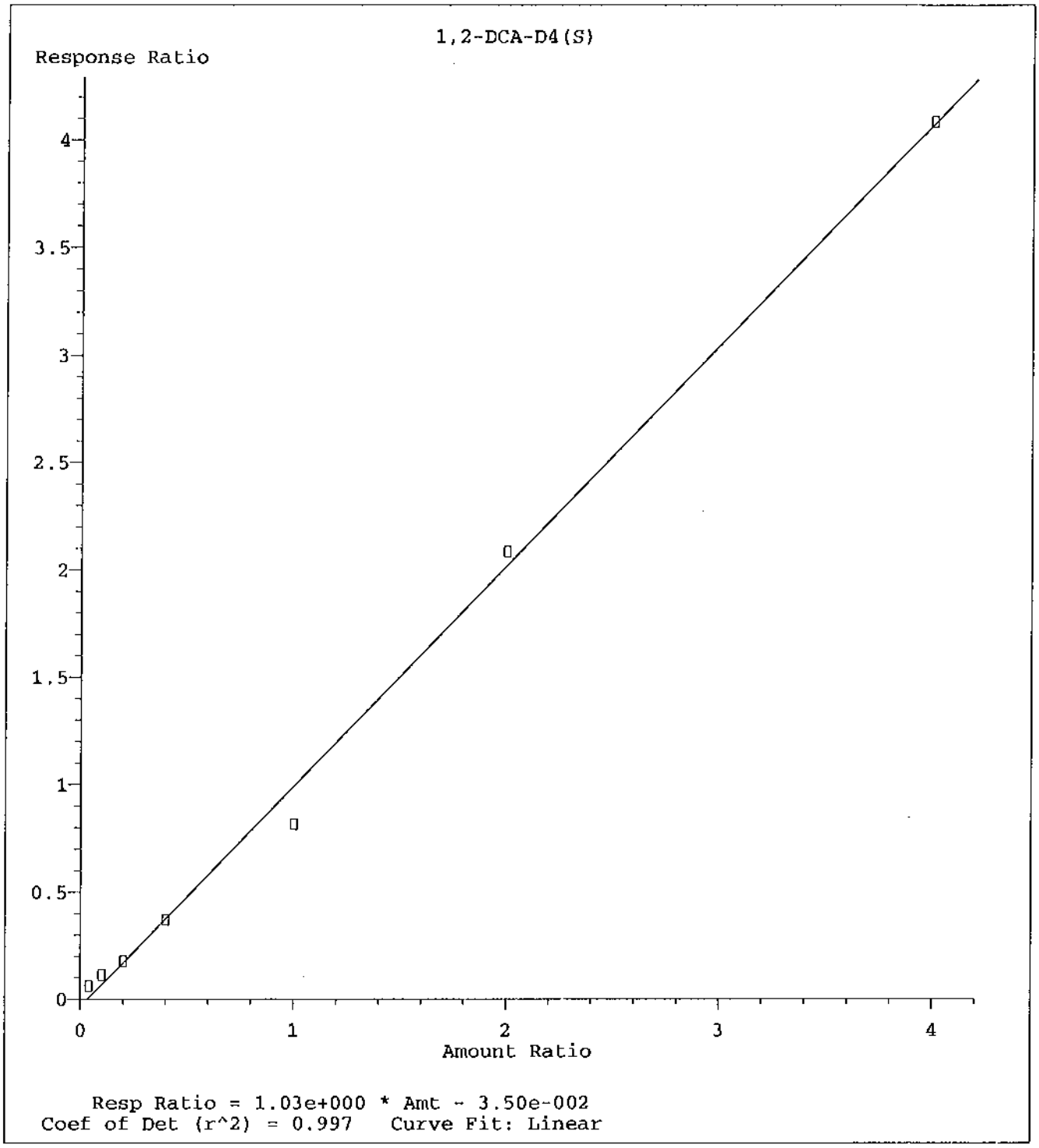
Method Name: M:\NEO\DATA\N120229\NALLS.M
Calibration Table Last Updated: Mon Mar 12 11:16:22 2012



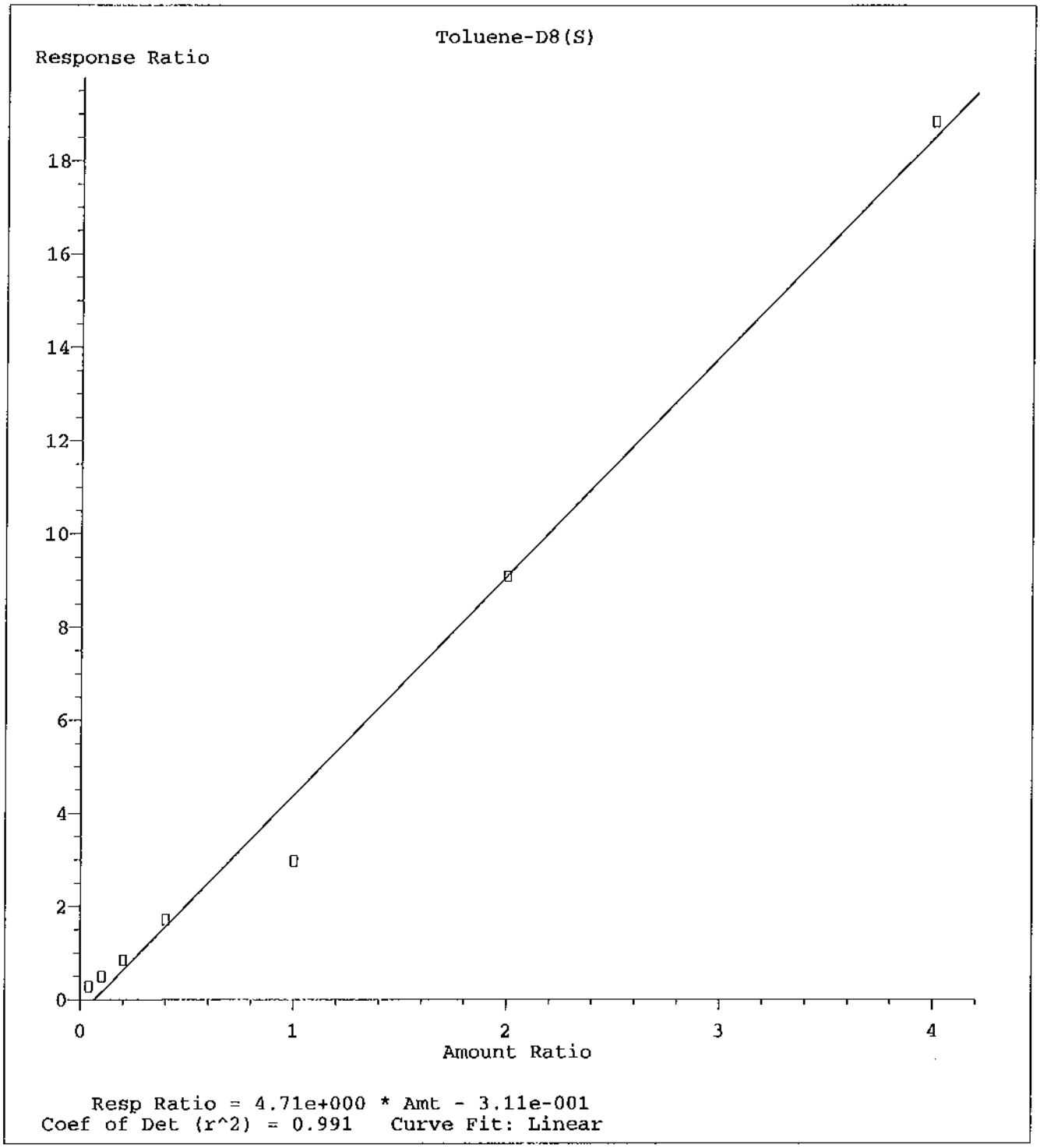
Method Name: M:\NEO\DATA\N120229\NALLS.M
Calibration Table Last Updated: Mon Mar 12 11:16:22 2012



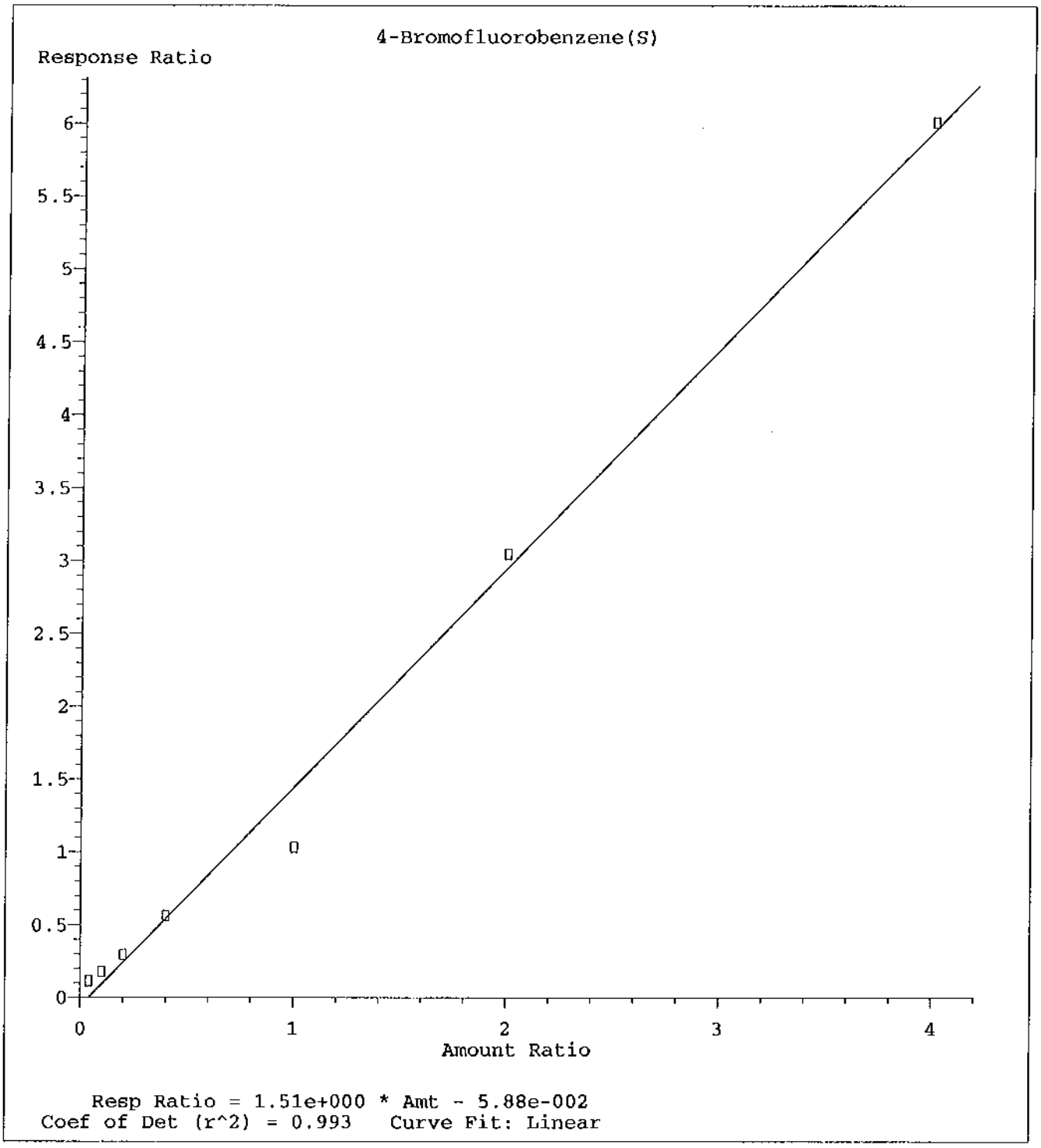
Method Name: M:\NEO\DATA\N120229\NALLS.M
Calibration Table Last Updated: Mon Mar 12 11:16:22 2012



Method Name: M:\NEO\DATA\N120229\NALLS.M
Calibration Table Last Updated: Mon Mar 12 11:16:22 2012



Method Name: M:\NEO\DATA\N120229\NALLS.M
Calibration Table Last Updated: Mon Mar 12 11:16:22 2012



Method Name: M:\NEO\DATA\N120229\NALLS.M
Calibration Table Last Updated: Mon Mar 12 11:16:22 2012

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N16S.D
Acq On : 29 Feb 12 20:24
Sample : 120229A LCS-1SN (SS)
Misc : Soil 5mL w/ ISS:10-20-11
Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 12 13:22 2012
Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.26	96	348992	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.43	117	255104	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.62	152	111496	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.85	111	269823	41.92394 ppb		0.00
Spiked Amount 41.312			Recovery = 101.482%			
34) 1,2-DCA-D4(S)	12.65	65	304442	44.15068 ppb		0.00
Spiked Amount 41.649			Recovery = 106.009%			
52) Toluene-D8(S)	15.90	98	837690	38.17601 ppb		0.00
Spiked Amount 35.274			Recovery = 108.226%			
60) 4-Bromofluorobenzene(S)	20.49	95	296466	40.55048 ppb		0.00
Spiked Amount 35.584			Recovery = 113.957%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.54	85	499418	39.84731 ppb		94
3) Chloromethane	5.05	50	753955	44.47135 ppb		99
4) Vinyl chloride	5.29	62	150464	43.80857 ppb		100
5) Bromomethane	6.23	94	240201	48.88920 ppb		90
6) Chloroethane	6.41	64	325801	49.16708 ppb		97
7) Dichlorofluoromethane	6.51	67	922355	47.48710 ppb		97
8) Trichlorofluoromethane	7.04	101	436531	43.64430 ppb		94
9) Acrolein	7.66	56	232768	247.00248 ppb		97
10) Acetone	7.78	43	134032	47.76011 ppb		87
11) Freon-113	7.94	101	338973	42.52844 ppb		96
12) 1,1-DCE	8.18	96	310792	45.67482 ppb		99
13) t-Butanol	8.30	59	30808	226.74621 ppb	#	89
14) Methyl Acetate	8.66	43	384432	47.02747 ppb		97
15) Iodomethane	8.66	142	252617	49.55265 ppb		97
16) Acrylonitrile	9.05	53	129854	52.27442 ppb		95
17) Methylene chloride	8.96	86	254159	54.99075 ppb		93
18) Carbon disulfide	9.07	76	1340837	45.50768 ppb		100
19) Methyl t-butyl ether (MtBE	9.36	73	930651	59.14317 ppb		96
20) Trans-1,2-DCE	9.57	96	363743	49.23157 ppb		93
21) Diisopropyl Ether	10.21	45	1791842	58.20312 ppb		99
22) 1,1-DCA	10.25	63	785764	52.17028 ppb		99
23) Vinyl Acetate	10.21	43	1390318	57.58712 ppb		98
24) Ethyl tert Butyl Ether	10.89	59	1295841	58.43451 ppb		96
25) MEK (2-Butanone)	10.87	43	318875	46.73025 ppb		96
26) Cis-1,2-DCE	11.26	96	404674	53.49939 ppb		94
27) 2,2-Dichloropropane	11.25	77	540238	46.99320 ppb		99
28) Chloroform	11.53	83	673909	54.10536 ppb		95
29) Bromochloromethane	11.76	128	127042	51.14338 ppb		89
31) 1,1,1-TCA	12.27	97	533764	46.72086 ppb		97
32) Cyclohexane	12.44	56	670844	41.97403 ppb		97
33) 1,1-Dichloropropene	12.53	75	526151	47.01246 ppb		96
35) Carbon Tetrachloride	12.72	117	420991	49.30086 ppb		99
36) Tert Amyl Methyl Ether	12.76	73	999922	59.79772 ppb		96
37) 1,2-DCA	12.80	62	462907	54.04069 ppb		97
38) Benzene	12.92	78	1442661	49.22566 ppb		97
39) TCE	13.95	95	347716	46.98468 ppb		95
40) 2-Pentanone	13.59	43	1541256	253.97274 ppb		96
41) 1,2-Dichloropropane	14.16	63	422245	53.51438 ppb		98
42) Bromodichloromethane	14.52	83	515833	58.12690 ppb	#	93

✓ Algorithm Check: $\frac{(499418)(50)}{(348992)(1.79564)}(1) = 39.84735073982$ ✓ ARS 3/12/12

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N16S.D Vial: 1
Acq On : 29 Feb 12 20:24 Operator: SV,DG,RS
Sample : 120229A LCS-1SN (SS) Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:22 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43) Dibromomethane	14.58	93	222196	55.43449 ppb		98
44) Methyl Cyclohexane	14.23	83	536450	41.83395 ppb		95
45) 2-Chloroethyl vinyl ether	14.95	63	197716	54.52350 ppb		100
46) 1-Bromo-2-chloroethane	15.28	63	470738	53.06981 ppb		95
47) Cis-1,3-Dichloropropene	15.39	75	627514	57.86332 ppb		97
48) Toluene	16.03	91	1438049	51.30999 ppb		99
49) Trans-1,3-Dichloropropene	16.18	75	505598	54.85313 ppb		94
50) 1,1,2-TCA	16.46	83	235643	56.92510 ppb		94
53) 1,2-EDB	17.72	107	274138	53.74122 ppb	#	92
54) Tetrachloroethene	17.18	129	221420	43.51831 ppb		98
55) 1-Chlorohexane	18.08	91	494992	43.61911 ppb		94
56) 1,1,1,2-Tetrachloroethane	18.54	131	285558	54.20577 ppb		95
57) m&p-Xylene	18.74	106	1059565	98.13420 ppb		99
58) o-Xylene	19.49	106	513606	52.09033 ppb		100
59) Styrene	19.50	78	516357	51.20294 ppb		93
61) 2-Hexanone	16.48	43	278706	49.69261 ppb		92
62) 1,3-Dichloropropane	16.88	76	484520	54.66925 ppb		98
63) Dibromochloromethane	17.36	129	323433	53.61001 ppb		98
64) Chlorobenzene	18.50	112	830848	52.63477 ppb		96
65) Ethylbenzene	18.59	91	1545697	48.69569 ppb		98
66) Bromoform	20.03	173	203549	56.34081 ppb		97
68) MIBK (methyl isobutyl keto	15.06	43	389036	49.16985 ppb		99
69) Isopropylbenzene	20.11	105	1316676	47.89121 ppb		98
70) 1,1,2,2-Tetrachloroethane	20.28	83	340818	54.48460 ppb		99
71) 1,2,3-Trichloropropane	20.52	110	75886	52.44994 ppb		98
72) t-1,4-Dichloro-2-Butene	20.59	53	107904	51.32034 ppb		97
73) Bromobenzene	20.87	156	306271	54.15940 ppb		98
74) n-Propylbenzene	20.82	91	1769391	48.41531 ppb		99
75) 2-Chlorotoluene	21.12	91	1137814	49.48084 ppb		99
76) 1,3,5-Trimethylbenzene	21.09	105	1041488	48.66507 ppb		96
77) 4-Chlorotoluene	21.20	91	960900	49.81549 ppb		98
78) Tert-Butylbenzene	21.75	119	1001249	47.31826 ppb		99
79) 1,2,4-Trimethylbenzene	21.81	105	1052711	49.52299 ppb		98
80) Sec-Butylbenzene	22.14	105	1412680	45.70102 ppb		98
81) p-Isopropyltoluene	22.36	119	1087533	46.73587 ppb		97
82) Benzyl Chloride	22.80	91	494074	45.60699 ppb		96
83) 1,3-DCB	22.51	146	524956	50.71185 ppb		97
84) 1,4-DCB	22.67	146	504262	50.06678 ppb		96
85) n-Butylbenzene	23.06	91	1124127	43.04435 ppb		99
86) 1,2-DCB	23.30	146	471498	51.44321 ppb		98
87) 1,2-Dibromo-3-chloropropan	24.50	155	44638	51.58546 ppb		95
88) 1,2,4-Trichlorobenzene	25.94	180	266111	43.20498 ppb		93
89) Hexachlorobutadiene	26.18	225	85872	46.03146 ppb		98
90) Naphthalene	26.28	128	546100	47.77750 ppb		99
91) 1,2,3-Trichlorobenzene	26.65	180	251499	48.76995 ppb		93

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

Quantitation Report

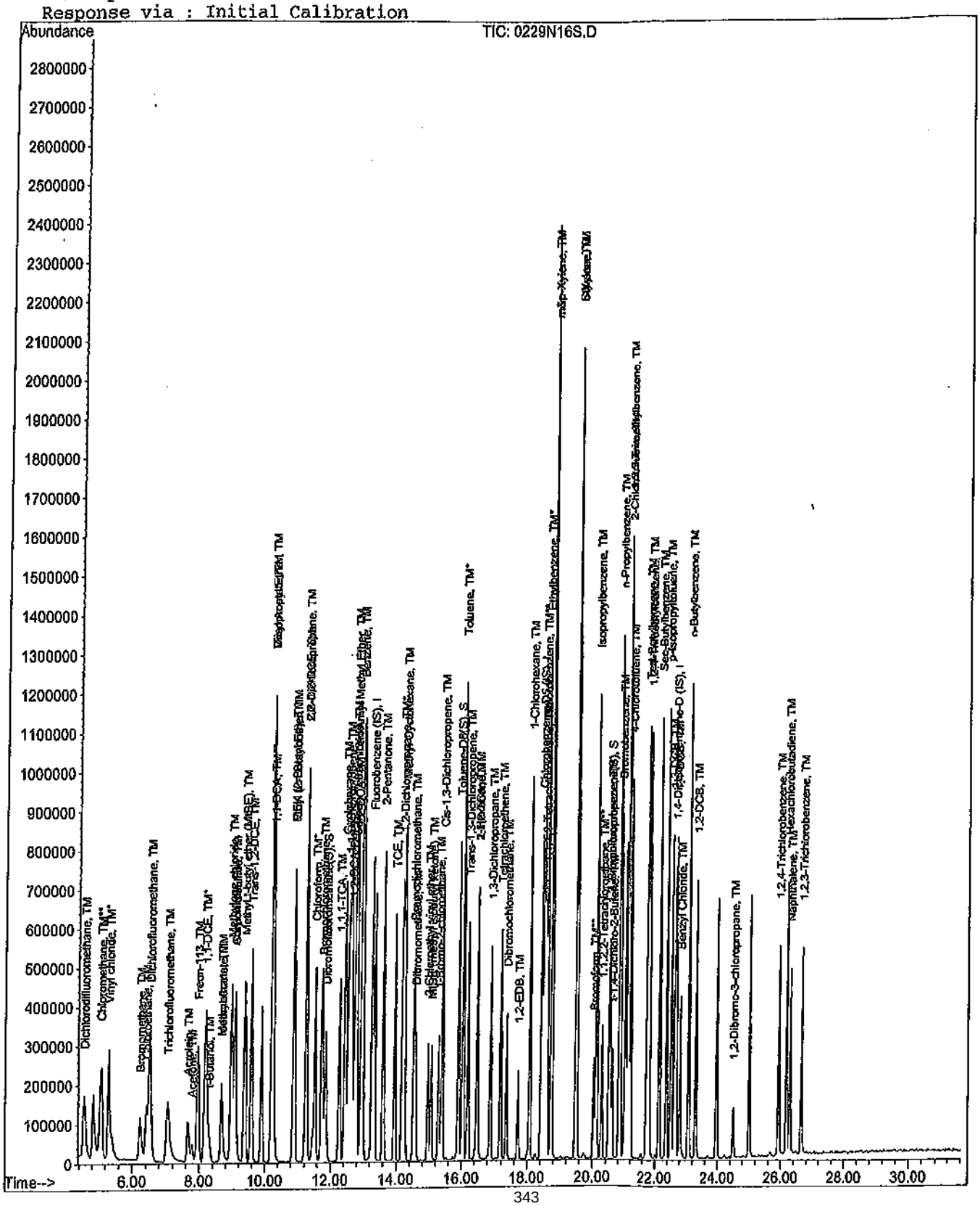
Data File : M:\NEO\DATA\N120229\0229N16S.D
Acq On : 29 Feb 12 20:24
Sample : 120229A LCS-1SN (SS)
Misc : Soil 5mL w/ ISS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 12 13:22 2012

Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N15S.D Vial: 1
Acq On : 29 Feb 12 19:46 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 2-29-12 Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:23 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.26	96	307392	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.43	117	236608	50.00000 ppb	0.00
67) 1,4-Dichlorobenzene-D (IS)	22.62	152	101016	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.86	111	265010	46.49110 ppb	0.01
Spiked Amount 41.312			Recovery = 112.537%		
34) 1,2-DCA-D4(S)	12.66	65	269026	44.28897 ppb	0.00
Spiked Amount 41.649			Recovery = 106.340%		
52) Toluene-D8(S)	15.90	98	752812	37.09229 ppb	0.00
Spiked Amount 35.274			Recovery = 105.153%		
60) 4-Bromofluorobenzene(S)	20.49	95	256187	37.91378 ppb	0.00
Spiked Amount 35.584			Recovery = 106.549%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.54	85	459691	41.64125 ppb	97
3) Chloromethane	5.06	50	689410	46.16740 ppb	98
4) Vinyl chloride	5.30	62	127200	42.04715 ppb	99
5) Bromomethane	6.22	94	195856	45.58000 ppb	89
6) Chloroethane	6.41	64	277907	47.61506 ppb	92
7) Dichlorofluoromethane	6.51	67	805617	47.09004 ppb	98
8) Trichlorofluoromethane	7.04	101	420771	47.76185 ppb	96
9) Acrolein	7.67	56	218908	263.73185 ppb	95
10) Acetone	7.78	43	130566	53.35864 ppb	89
11) Freon-113	7.95	101	319316	45.48393 ppb	94
12) 1,1-DCE	8.18	96	276940	46.20784 ppb	99
13) t-Butanol	8.30	59	30416	254.15669 ppb	96
14) Methyl Acetate	8.67	43	370843	52.06725 ppb	98
15) Iodomethane	8.67	142	216747	48.38302 ppb	95
16) Acrylonitrile	9.04	53	114952	52.53798 ppb	94
17) Methylene chloride	8.96	86	216345	53.14396 ppb	87
18) Carbon disulfide	9.07	76	1171293	45.13331 ppb	100
19) Methyl t-butyl ether (MtBE	9.37	73	780348	56.30267 ppb	97
20) Trans-1,2-DCE	9.57	96	325495	50.01685 ppb	95
21) Diisopropyl Ether	10.20	45	1489262	54.92127 ppb	99
22) 1,1-DCA	10.26	63	657608	49.57024 ppb	100
23) Vinyl Acetate	10.20	43	1173327	55.17638 ppb	99
24) Ethyl tert Butyl Ether	10.89	59	1053287	53.92465 ppb	99
25) MEK (2-Butanone)	10.87	43	290703	48.36710 ppb	96
26) Cis-1,2-DCE	11.25	96	349264	52.42280 ppb	98
27) 2,2-Dichloropropane	11.25	77	458803	45.31052 ppb	97
28) Chloroform	11.54	83	585766	53.39322 ppb	96
29) Bromochloromethane	11.76	128	105506	48.22166 ppb	82
31) 1,1,1-TCA	12.26	97	460286	45.74170 ppb	94
32) Cyclohexane	12.43	56	626075	44.47422 ppb	98
33) 1,1-Dichloropropene	12.54	75	471458	47.82649 ppb	94
35) Carbon Tetrachloride	12.73	117	360139	47.88227 ppb	90
36) Tert Amyl Methyl Ether	12.77	73	816510	55.43741 ppb	98
37) 1,2-DCA	12.80	62	404583	53.62381 ppb	99
38) Benzene	12.93	78	1288858	49.92927 ppb	98
39) TCE	13.95	95	315777	48.44345 ppb	92
40) 2-Pentanone	13.59	43	1449737	271.22172 ppb	100
41) 1,2-Dichloropropane	14.17	63	373367	53.72356 ppb	100
42) Bromodichloromethane	14.53	83	429252	54.91655 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N15S.D Vial: 1
Acq On : 29 Feb 12 19:46 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 2-29-12 Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:23 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43) Dibromomethane	14.59	93	194589	55.11693 ppb		97
44) Methyl Cyclohexane	14.23	83	486322	43.05727 ppb		100
45) 2-Chloroethyl vinyl ether	14.96	63	178612	55.92107 ppb		96
46) 1-Bromo-2-chloroethane	15.29	63	424354	54.31496 ppb		97
47) Cis-1,3-Dichloropropene	15.39	75	531884	55.68263 ppb		98
48) Toluene	16.03	91	1236406	50.08552 ppb		99
49) Trans-1,3-Dichloropropene	16.18	75	430376	53.01112 ppb		97
50) 1,1,2-TCA	16.47	83	207760	56.98153 ppb		91
53) 1,2-EDB	17.72	107	244447	51.66671 ppb	#	90
54) Tetrachloroethene	17.18	129	203979	43.22435 ppb		94
55) 1-Chlorohexane	18.08	91	456120	43.33568 ppb		94
56) 1,1,1,2-Tetrachloroethane	18.53	131	241452	49.41626 ppb		92
57) m&p-Xylene	18.74	106	918407	91.70981 ppb		96
58) o-Xylene	19.49	106	437938	47.88809 ppb		97
59) Styrene	19.50	78	438348	46.86533 ppb		95
61) 2-Hexanone	16.48	43	257878	49.57328 ppb		99
62) 1,3-Dichloropropane	16.88	76	420354	51.13690 ppb		98
63) Dibromochloromethane	17.36	129	275640	49.25969 ppb		96
64) Chlorobenzene	18.49	112	703479	48.04964 ppb		98
65) Ethylbenzene	18.60	91	1321853	44.89905 ppb		99
66) Bromoform	20.03	173	179829	53.66630 ppb		95
68) MIBK (methyl isobutyl keto	15.05	43	368744	51.44027 ppb		97
69) Isopropylbenzene	20.12	105	1117732	44.87286 ppb		98
70) 1,1,2,2-Tetrachloroethane	20.28	83	308955	54.51495 ppb		98
71) 1,2,3-Trichloropropane	20.53	110	68740	52.43992 ppb		97
72) t-1,4-Dichloro-2-Butene	20.59	53	93106	48.87635 ppb		100
73) Bromobenzene	20.87	156	259685	50.68552 ppb		98
74) n-Propylbenzene	20.83	91	1538050	46.45136 ppb		98
75) 2-Chlorotoluene	21.12	91	955289	45.85320 ppb		95
76) 1,3,5-Trimethylbenzene	21.09	105	908938	46.87772 ppb		93
77) 4-Chlorotoluene	21.20	91	834069	47.72625 ppb		100
78) Tert-Butylbenzene	21.75	119	872174	45.49451 ppb		97
79) 1,2,4-Trimethylbenzene	21.81	105	924096	47.98261 ppb		98
80) Sec-Butylbenzene	22.15	105	1262840	45.09201 ppb		97
81) p-Isopropyltoluene	22.36	119	913925	43.34985 ppb		98
82) Benzyl Chloride	22.79	91	455864	46.44552 ppb		98
83) 1,3-DCB	22.51	146	461743	49.23297 ppb		98
84) 1,4-DCB	22.67	146	448535	49.15400 ppb		94
85) n-Butylbenzene	23.06	91	1007918	42.59858 ppb		100
86) 1,2-DCB	23.30	146	412499	49.67527 ppb		97
87) 1,2-Dibromo-3-chloropropan	24.50	155	38401	48.98175 ppb		83
88) 1,2,4-Trichlorobenzene	25.93	180	254978	45.69228 ppb		99
89) Hexachlorobutadiene	26.18	225	79344	46.94468 ppb		96
90) Naphthalene	26.28	128	527744	50.96168 ppb		99
91) 1,2,3-Trichlorobenzene	26.65	180	232445	49.75140 ppb		98

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

Quantitation Report

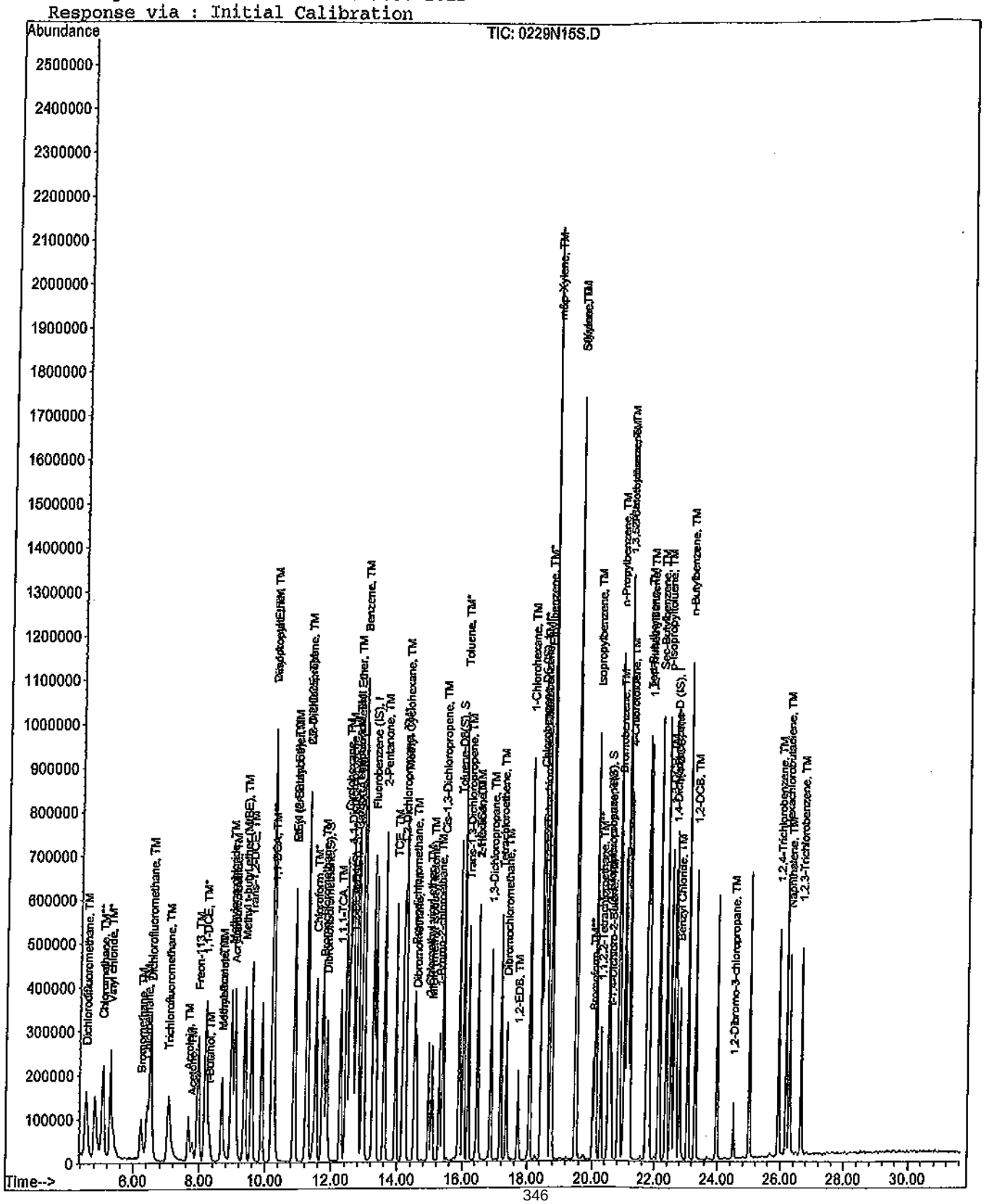
Data File : M:\NEO\DATA\N120229\0229N15S.D
Acq On : 29 Feb 12 19:46
Sample : 50ug/kg Vol Std 2-29-12
Misc : Soil 5mL w/ ISS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 12 13:23 2012

Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N04S.D Vial: 1
Acq On : 5 Mar 12 12:46 Operator: SV,DG,RS
Sample : 2ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.28	96	314752	50.00000 ppb		-0.01
51) Chlorobenzene-D5 (IS)	18.45	117	211520	50.00000 ppb		-0.01
67) 1,4-Dichlorobenzene-D (IS)	22.64	152	82688	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.86	111	15121	2.47923 ppb		-0.02
Spiked Amount 41.312			Recovery = 6.001%			
34) 1,2-DCA-D4(S)	12.66	65	18521	2.79961 ppb		-0.01
Spiked Amount 41.649			Recovery = 6.723%			
52) Toluene-D8(S)	15.92	98	51599	2.82237 ppb		-0.01
Spiked Amount 35.274			Recovery = 8.000%			
60) 4-Bromofluorobenzene(S)	20.53	95	21033	2.64446 ppb		0.00
Spiked Amount 35.584			Recovery = 7.430%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.53	85	8153	1.71399 ppb		98
3) Chloromethane	5.04	50	31728	0.24540 ppb		99
4) Vinyl chloride	5.28	62	3709	1.57883 ppb		100
5) Bromomethane	6.21	94	9982	4.73839 ppb	#	43
6) Chloroethane	6.42	64	8190	1.94704 ppb	#	74
7) Dichlorofluoromethane	6.50	67	25453	1.86845 ppb		83
8) Trichlorofluoromethane	7.05	101	8150	1.64299 ppb	#	64
9) Acrolein	7.67	56	43692	54.70002 ppb		97
10) Acetone	7.79	43	16913	-2.23211 ppb	#	79
11) Freon-113	7.96	101	5901	2.99706 ppb	#	84
12) 1,1-DCE	8.19	96	7630	1.78404 ppb	#	63
14) Methyl Acetate	8.67	43	35416	-4.81575 ppb		98
15) Iodomethane	8.66	142	4485	2.27269 ppb	#	94
16) Acrylonitrile	9.05	53	4963	2.33741 ppb	#	42
17) Methylene chloride	8.96	86	11356	2.13232 ppb		77
18) Carbon disulfide	9.08	76	43013	2.23013 ppb		96
19) Methyl t-butyl ether (MtBE	9.38	73	33281	2.15677 ppb		90
20) Trans-1,2-DCE	9.56	96	11884	2.13887 ppb		85
21) Diisopropyl Ether	10.21	45	56681	1.99358 ppb	#	89
22) 1,1-DCA	10.27	63	24633	2.02212 ppb		93
23) Vinyl Acetate	10.21	43	46830	2.07941 ppb		98
24) Ethyl tert Butyl Ether	10.90	59	45851	2.19055 ppb		89
25) MEK (2-Butanone)	10.89	43	17671	-0.19559 ppb		95
26) Cis-1,2-DCE	11.27	96	13241	2.11916 ppb		77
27) 2,2-Dichloropropane	11.27	77	16914	2.02865 ppb		88
28) Chloroform	11.55	83	22533	2.10359 ppb		92
29) Bromochloromethane	11.78	128	4188	1.92218 ppb	#	80
31) 1,1,1-TCA	12.29	97	13478	1.74745 ppb	#	85
32) Cyclohexane	12.45	56	14420	1.62765 ppb	#	88
33) 1,1-Dichloropropene	12.56	75	13511	1.82677 ppb	#	86
35) Carbon Tetrachloride	12.73	117	8370	1.42527 ppb	#	90
36) Tert Amyl Methyl Ether	12.78	73	37161	2.25497 ppb	#	86
37) 1,2-DCA	12.81	62	16540	2.06726 ppb		99
38) Benzene	12.95	78	49409	2.09733 ppb	#	89
39) TCE	13.97	95	10475	1.93877 ppb	#	69
40) 2-Pentanone	13.62	43	317981	56.14887 ppb		98
41) 1,2-Dichloropropane	14.19	63	14632	2.07845 ppb	#	92
42) Bromodichloromethane	14.54	83	16508	2.02210 ppb	#	96
43) Dibromomethane	14.61	93	8308	2.22274 ppb	#	80
44) Methyl Cyclohexane	14.26	83	9456	2.81790 ppb		99
45) 2-Chloroethyl vinyl ether	14.99	63	7119	2.06483 ppb		98

(#) = qualifier out of range (m) = manual integration
0305N04S.D NALLS.M Fri Mar 09 10:08:15 2012 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N04S.D Vial: 1
Acq On : 5 Mar 12 12:46 Operator: SV,DG,RS
Sample : 2ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.30	63	16738	2.06581 ppb		91
47)	Cis-1,3-Dichloropropene	15.41	75	23558	2.31551 ppb		90
48)	Toluene	16.05	91	49057	2.21279 ppb		96
49)	Trans-1,3-Dichloropropene	16.20	75	19039	2.23732 ppb		85
50)	1,1,2-TCA	16.49	83	8087	2.09845 ppb		83
53)	1,2-EDB	17.74	107	9598	2.02069 ppb	#	64
54)	Tetrachloroethene	17.19	129	5917	1.70107 ppb	#	83
55)	1-Chlorohexane	18.11	91	12168	1.70454 ppb		82
56)	1,1,1,2-Tetrachloroethane	18.57	131	10418	2.15350 ppb		80
57)	m&p-Xylene	18.77	106	32414	3.96995 ppb		88
58)	o-Xylene	19.51	106	16229	1.98212 ppb		86
59)	Styrene	19.52	78	18265	2.09728 ppb		96
61)	2-Hexanone	16.50	43	11078	2.19006 ppb		94
62)	1,3-Dichloropropane	16.91	76	16592	2.00325 ppb		90
63)	Dibromochloromethane	17.39	129	11536	2.06557 ppb		90
64)	Chlorobenzene	18.51	112	27602	2.07617 ppb		87
65)	Ethylbenzene	18.63	91	46468	1.91825 ppb		91
66)	Bromoform	20.08	173	7250	2.14145 ppb		98
68)	MIBK (methyl isobutyl keto	15.08	43	17791	2.61179 ppb	#	77
69)	Isopropylbenzene	20.14	105	37540	1.96747 ppb		100
70)	1,1,2,2-Tetrachloroethane	20.30	83	13253	2.35463 ppb		97
71)	1,2,3-Trichloropropane	20.56	110	3319	2.41057 ppb		78
72)	t-1,4-Dichloro-2-Butene	20.62	53	3623	2.08596 ppb		88
73)	Bromobenzene	20.90	156	11538	2.36985 ppb		92
74)	n-Propylbenzene	20.85	91	50712	1.99343 ppb		99
75)	2-Chlorotoluene	21.16	91	39630	2.27878 ppb		94
76)	1,3,5-Trimethylbenzene	21.12	105	32685	2.07282 ppb		94
77)	4-Chlorotoluene	21.23	91	34033	2.21974 ppb		90
78)	Tert-Butylbenzene	21.78	119	28227	1.91575 ppb	#	96
79)	1,2,4-Trimethylbenzene	21.84	105	34381	2.13626 ppb		96
80)	Sec-Butylbenzene	22.17	105	38592	1.88289 ppb		94
81)	p-Isopropyltoluene	22.40	119	31604	2.00202 ppb	#	84
82)	Benzyl Chloride	22.82	91	23183	2.54157 ppb		90
83)	1,3-DCB	22.55	146	17279	2.08101 ppb		97
84)	1,4-DCB	22.70	146	20796	2.47670 ppb		91
85)	n-Butylbenzene	23.10	91	33744	2.02331 ppb		95
86)	1,2-DCB	23.33	146	17470	2.29653 ppb		90
87)	1,2-Dibromo-3-chloropropan	24.53	155	1390	2.11117 ppb	#	67
88)	1,2,4-Trichlorobenzene	25.97	180	12089	2.43139 ppb		91
89)	Hexachlorobutadiene	26.23	225	5829	1.95980 ppb		79
90)	Naphthalene	26.33	128	25328	2.49636 ppb		100
91)	1,2,3-Trichlorobenzene	26.70	180	13183	1.96691 ppb	#	70

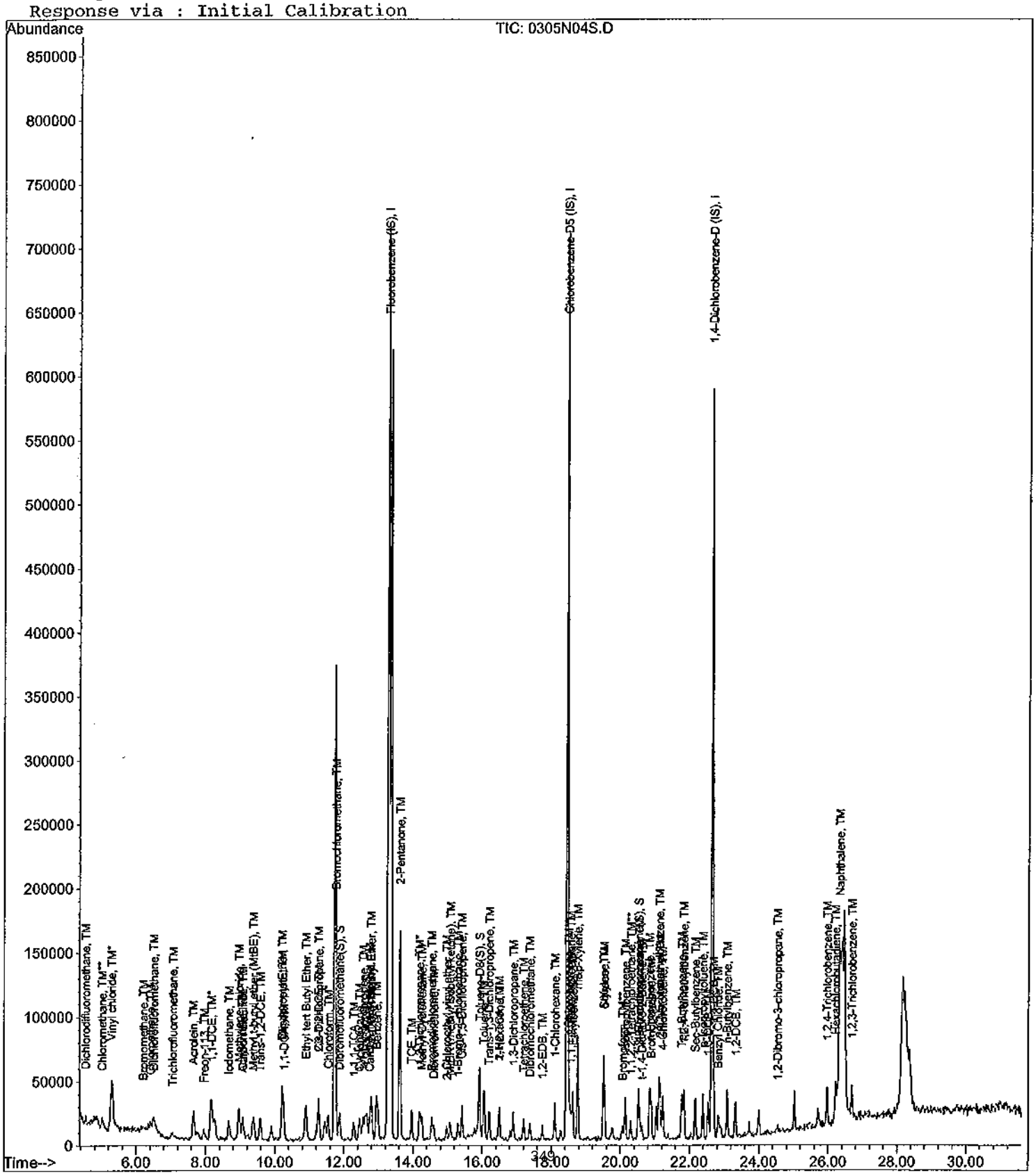
(#) = qualifier out of range (m) = manual integration
0305N04S.D NALLS.M Fri Mar 09 10:08:15 2012 Page 2

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N04S.D Vial: 1
Acq On : 5 Mar 12 12:46 Operator: SV,DG,RS
Sample : 2ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N05S.D Vial: 1
Acq On : 5 Mar 12 13:24 Operator: SV,DG,RS
Sample : 5ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.28	96	293888	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.46	117	193344	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	78008	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.88	111	31903	5.60214 ppb		0.00
Spiked Amount 41.312			Recovery =	13.560%		
34) 1,2-DCA-D4(S)	12.67	65	35610	5.76490 ppb		0.00
Spiked Amount 41.649			Recovery =	13.842%		
52) Toluene-D8(S)	15.92	98	96492	5.77411 ppb		-0.02
Spiked Amount 35.274			Recovery =	16.369%		
60) 4-Bromofluorobenzene(S)	20.52	95	41128	6.40193 ppb		0.00
Spiked Amount 35.584			Recovery =	17.991%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.55	85	34231	6.56582 ppb		92
3) Chloromethane	5.05	50	72298	4.94646 ppb		97
4) Vinyl chloride	5.29	62	14082	6.41990 ppb		90
5) Bromomethane	6.22	94	17943	7.36394 ppb	#	66
6) Chloroethane	6.57	64	254	0.04309 ppb		84
7) Dichlorofluoromethane	6.50	67	66707	5.24446 ppb		97
8) Trichlorofluoromethane	7.04	101	31865	6.11884 ppb		93
9) Acrolein	7.66	56	81945	109.87394 ppb		97
10) Acetone	7.79	43	21664	1.47582 ppb		90
11) Freon-113	7.97	101	22009	6.94218 ppb	#	85
12) 1,1-DCE	8.17	96	21675	5.42783 ppb		76
14) Methyl Acetate	8.66	43	69762	2.09497 ppb		97
15) Iodomethane	8.68	142	14851	5.56726 ppb	#	77
16) Acrylonitrile	9.05	53	9566	4.82511 ppb		89
17) Methylene chloride	8.97	86	23520	5.73894 ppb		82
18) Carbon disulfide	9.09	76	111556	6.19456 ppb		98
19) Methyl t-butyl ether (MtBE	9.38	73	83123	5.76919 ppb		93
20) Trans-1,2-DCE	9.57	96	29654	5.71598 ppb		73
21) Diisopropyl Ether	10.22	45	151138	5.69320 ppb		95
22) 1,1-DCA	10.26	63	63120	5.54937 ppb	#	97
23) Vinyl Acetate	10.23	43	115649	5.49978 ppb		98
24) Ethyl tert Butyl Ether	10.90	59	107941	5.52303 ppb		95
25) MEK (2-Butanone)	10.89	43	32766	3.48387 ppb		97
26) Cis-1,2-DCE	11.28	96	30041	5.14926 ppb		84
27) 2,2-Dichloropropane	11.26	77	44858	5.76219 ppb		90
28) Chloroform	11.56	83	55069	5.50599 ppb		91
29) Bromochloromethane	11.78	128	12426	6.10809 ppb		88
31) 1,1,1-TCA	12.30	97	40777	5.66214 ppb		90
32) Cyclohexane	12.46	56	46369	5.60546 ppb		95
33) 1,1-Dichloropropene	12.55	75	38871	5.62871 ppb		92
35) Carbon Tetrachloride	12.75	117	29039	5.29591 ppb		84
36) Tert Amyl Methyl Ether	12.79	73	82392	5.35458 ppb		94
37) 1,2-DCA	12.82	62	42422	5.67855 ppb		100
38) Benzene	12.96	78	125878	5.72265 ppb		91
39) TCE	13.97	95	27348	5.42106 ppb		90
40) 2-Pentanone	13.62	43	591281	111.82024 ppb		98
41) 1,2-Dichloropropane	14.19	63	36039	5.48272 ppb		100
42) Bromodichloromethane	14.55	83	43370	5.68964 ppb		98
43) Dibromomethane	14.60	93	19729	5.65307 ppb		90
44) Methyl Cyclohexane	14.25	83	33205	6.49799 ppb		99
45) 2-Chloroethyl vinyl ether	14.98	63	17100	5.31187 ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N05S.D Vial: 1
Acq On : 5 Mar 12 13:24 Operator: SV,DG,RS
Sample : 5ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.32	63	41561	5.49364 ppb		97
47)	Cis-1,3-Dichloropropene	15.42	75	51700	5.44234 ppb		97
48)	Toluene	16.06	91	110479	5.33709 ppb		99
49)	Trans-1,3-Dichloropropene	16.21	75	43100	5.42435 ppb		84
50)	1,1,2-TCA	16.50	83	19364	5.38138 ppb		91
53)	1,2-EDB	17.75	107	23944	5.51490 ppb	#	79
54)	Tetrachloroethene	17.21	129	17967	5.65091 ppb		95
55)	1-Chlorohexane	18.11	91	35152	5.38716 ppb		91
56)	1,1,1,2-Tetrachloroethane	18.57	131	23518	5.31841 ppb		92
57)	m&p-Xylene	18.76	106	84018	11.25759 ppb		99
58)	o-Xylene	19.52	106	42659	5.69994 ppb		96
59)	Styrene	19.53	78	43238	5.43155 ppb		94
61)	2-Hexanone	16.50	43	25204	5.45110 ppb	#	84
62)	1,3-Dichloropropane	16.91	76	42055	5.55488 ppb		93
63)	Dibromochloromethane	17.39	129	26978	5.28463 ppb		93
64)	Chlorobenzene	18.52	112	65347	5.37735 ppb		95
65)	Ethylbenzene	18.62	91	124890	5.64025 ppb		95
66)	Bromoform	20.06	173	16879	5.45428 ppb		84
68)	MIBK (methyl isobutyl keto	15.09	43	39617	6.16486 ppb	#	96
69)	Isopropylbenzene	20.15	105	101350	5.63041 ppb		94
70)	1,1,2,2-Tetrachloroethane	20.31	83	29575	5.56976 ppb	#	86
71)	1,2,3-Trichloropropane	20.55	110	6893	5.75787 ppb		88
72)	t-1,4-Dichloro-2-Butene	20.63	53	8933	5.45177 ppb		82
73)	Bromobenzene	20.90	156	25551	5.56290 ppb		92
74)	n-Propylbenzene	20.86	91	133722	5.57182 ppb		93
75)	2-Chlorotoluene	21.16	91	91633	5.58513 ppb		99
76)	1,3,5-Trimethylbenzene	21.12	105	83785	5.63225 ppb		93
77)	4-Chlorotoluene	21.24	91	83434	5.76831 ppb		88
78)	Tert-Butylbenzene	21.77	119	79775	5.73909 ppb		96
79)	1,2,4-Trimethylbenzene	21.84	105	84181	5.54439 ppb		93
80)	Sec-Butylbenzene	22.17	105	108546	5.61364 ppb		99
81)	p-Isopropyltoluene	22.39	119	85262	5.72514 ppb		97
82)	Benzyl Chloride	22.83	91	49919	5.80098 ppb		94
83)	1,3-DCB	22.54	146	44969	5.74080 ppb		91
84)	1,4-DCB	22.71	146	44978	5.67802 ppb		94
85)	n-Butylbenzene	23.09	91	93212	5.92436 ppb		90
86)	1,2-DCB	23.33	146	39916	5.56198 ppb		98
87)	1,2-Dibromo-3-chloropropan	24.54	155	3393	5.46256 ppb		82
88)	1,2,4-Trichlorobenzene	25.97	180	28107	5.99215 ppb		95
89)	Hexachlorobutadiene	26.21	225	15396	5.48692 ppb		91
90)	Naphthalene	26.32	128	51708	5.40217 ppb		97
91)	1,2,3-Trichlorobenzene	26.69	180	25256	5.40786 ppb		84

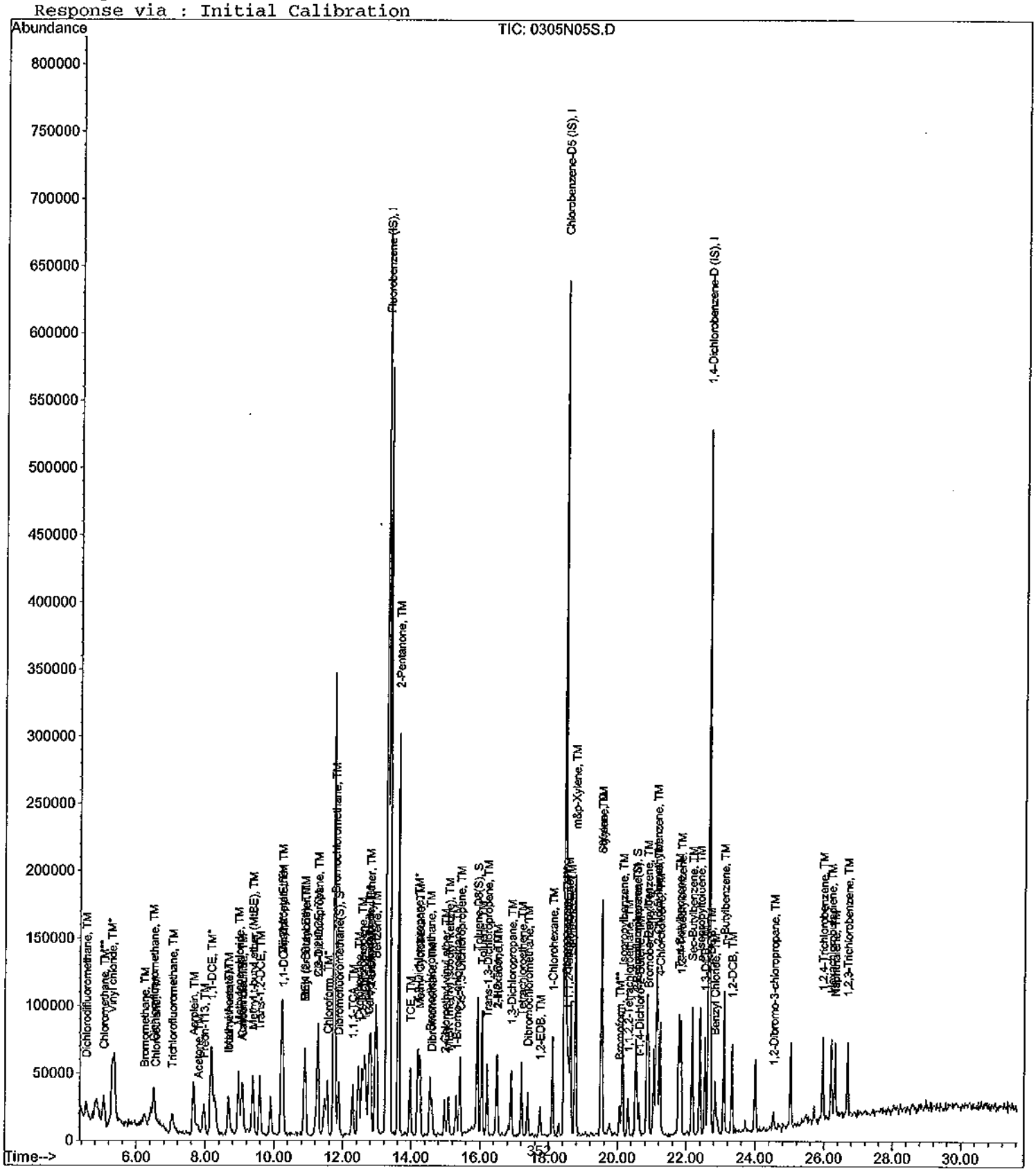
(#) = qualifier out of range (m) = manual integration
0305N05S.D NALLS.M Fri Mar 09 10:08:18 2012 Page 2

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N05S.D Vial: 1
Acq On : 5 Mar 12 13:24 Operator: SV,DG,RS
Sample : 5ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N06S.D Vial: 1
Acq On : 5 Mar 12 14:03 Operator: SV,DG,RS
Sample : 10ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.28	96	316288	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.46	117	206976	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	85936	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.87	111	59896	9.77281 ppb		0.00
Spiked Amount 41.312			Recovery = 23.657%			
34) 1,2-DCA-D4(S)	12.67	65	68716	10.33658 ppb		0.00
Spiked Amount 41.649			Recovery = 24.820%			
52) Toluene-D8(S)	15.93	98	177399	9.91644 ppb		0.00
Spiked Amount 35.274			Recovery = 28.111%			
60) 4-Bromofluorobenzene(S)	20.52	95	70627	10.66461 ppb		0.00
Spiked Amount 35.584			Recovery = 29.972%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.53	85	72988	12.68798 ppb		98
3) Chloromethane	5.04	50	125676	9.84628 ppb		97
4) Vinyl chloride	5.28	62	27296	11.56278 ppb		99
5) Bromomethane	6.22	94	28075	9.84364 ppb		83
6) Chloroethane	6.41	64	50283	12.01003 ppb		99
7) Dichlorofluoromethane	6.50	67	144096	10.52642 ppb		92
8) Trichlorofluoromethane	7.04	101	65781	11.51773 ppb		80
9) Acrolein	7.67	56	116601	145.26924 ppb		97
10) Acetone	7.79	43	36117	8.98697 ppb	#	76
11) Freon-113	7.97	101	49628	12.70577 ppb		90
12) 1,1-DCE	8.18	96	45732	10.64109 ppb		87
14) Methyl Acetate	8.67	43	123103	10.49900 ppb		94
15) Iodomethane	8.67	142	22346	7.39398 ppb		88
16) Acrylonitrile	9.07	53	20485	9.60090 ppb		98
17) Methylene chloride	8.97	86	38461	9.15020 ppb		87
18) Carbon disulfide	9.08	76	196486	10.13791 ppb		96
19) Methyl t-butyl ether (MtBE	9.39	73	144734	9.33391 ppb		95
20) Trans-1,2-DCE	9.59	96	55139	9.87564 ppb		87
21) Diisopropyl Ether	10.22	45	263062	9.20747 ppb		98
22) 1,1-DCA	10.27	63	121454	9.92173 ppb		98
23) Vinyl Acetate	10.22	43	207045	9.14886 ppb	#	97
24) Ethyl tert Butyl Ether	10.91	59	190174	9.04152 ppb		97
25) MEK (2-Butanone)	10.89	43	57936	8.24920 ppb	#	85
26) Cis-1,2-DCE	11.28	96	61779	9.83944 ppb		93
27) 2,2-Dichloropropane	11.27	77	81699	9.75132 ppb		92
28) Chloroform	11.55	83	104379	9.69706 ppb		88
29) Bromochloromethane	11.79	128	22823	10.42427 ppb	#	58
31) 1,1,1-TCA	12.30	97	81709	10.54228 ppb		97
32) Cyclohexane	12.45	56	100055	11.23884 ppb		92
33) 1,1-Dichloropropene	12.56	75	79450	10.68996 ppb	#	87
35) Carbon Tetrachloride	12.75	117	58344	9.88676 ppb		95
36) Tert Amyl Methyl Ether	12.79	73	157735	9.52505 ppb		97
37) 1,2-DCA	12.83	62	78860	9.80850 ppb		99
38) Benzene	12.95	78	232715	9.83039 ppb		96
39) TCE	13.97	95	53725	9.89542 ppb		96
40) 2-Pentanone	13.62	43	877789	154.24665 ppb		100
41) 1,2-Dichloropropane	14.19	63	64521	9.12060 ppb	#	96
42) Bromodichloromethane	14.55	83	74975	9.13925 ppb		85
43) Dibromomethane	14.60	93	36511	9.72080 ppb		79
44) Methyl Cyclohexane	14.26	83	72984	11.72320 ppb		98
45) 2-Chloroethyl vinyl ether	14.99	63	35402	10.21830 ppb		94

(#) = qualifier out of range (m) = manual integration
0305N06S.D NALLS.M Fri Mar 09 10:08:20 2012 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N06S.D Vial: 1
Acq On : 5 Mar 12 14:03 Operator: SV,DG,RS
Sample : 10ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.31	63	81491	10.00882 ppb		92
47)	Cis-1,3-Dichloropropene	15.43	75	99037	9.68706 ppb		97
48)	Toluene	16.06	91	214151	9.61268 ppb		100
49)	Trans-1,3-Dichloropropene	16.21	75	85932	10.04903 ppb		94
50)	1,1,2-TCA	16.49	83	35774	9.23773 ppb		88
53)	1,2-EDB	17.75	107	45402	9.76846 ppb	#	90
54)	Tetrachloroethene	17.21	129	34501	10.13643 ppb		87
55)	1-Chlorohexane	18.10	91	71585	10.24808 ppb		91
56)	1,1,1,2-Tetrachloroethane	18.57	131	45751	9.66479 ppb		95
57)	m&p-Xylene	18.77	106	158106	19.78937 ppb		97
58)	o-Xylene	19.52	106	76072	9.49501 ppb		83
59)	Styrene	19.53	78	81164	9.52429 ppb		84
61)	2-Hexanone	16.51	43	51632	10.43144 ppb	#	94
62)	1,3-Dichloropropane	16.90	76	77932	9.61576 ppb		99
63)	Dibromochloromethane	17.39	129	48635	8.89948 ppb		92
64)	Chlorobenzene	18.53	112	125748	9.66617 ppb		98
65)	Ethylbenzene	18.63	91	232773	9.82006 ppb		99
66)	Bromoform	20.05	173	29685	8.96063 ppb		92
68)	MIBK (methyl isobutyl keto	15.09	43	69584	9.82913 ppb		97
69)	Isopropylbenzene	20.14	105	194064	9.78645 ppb		99
70)	1,1,2,2-Tetrachloroethane	20.31	83	52324	8.94492 ppb		98
71)	1,2,3-Trichloropropane	20.55	110	12280	9.54319 ppb		91
72)	t-1,4-Dichloro-2-Butene	20.63	53	16976	9.40459 ppb		96
73)	Bromobenzene	20.90	156	46541	9.19800 ppb		88
74)	n-Propylbenzene	20.86	91	258946	9.79416 ppb		99
75)	2-Chlorotoluene	21.16	91	160990	8.90727 ppb		90
76)	1,3,5-Trimethylbenzene	21.12	105	149920	9.14828 ppb		98
77)	4-Chlorotoluene	21.24	91	150025	9.41528 ppb		99
78)	Tert-Butylbenzene	21.78	119	150374	9.82004 ppb		88
79)	1,2,4-Trimethylbenzene	21.84	105	152936	9.14352 ppb		99
80)	Sec-Butylbenzene	22.18	105	204768	9.61295 ppb		94
81)	p-Isopropyltoluene	22.39	119	159998	9.75234 ppb		96
82)	Benzyl Chloride	22.83	91	90416	9.53773 ppb		93
83)	1,3-DCB	22.54	146	81859	9.48614 ppb		97
84)	1,4-DCB	22.70	146	83531	9.57213 ppb		95
85)	n-Butylbenzene	23.09	91	169912	9.80296 ppb		99
86)	1,2-DCB	23.33	146	70467	8.91317 ppb		88
87)	1,2-Dibromo-3-chloropropan	24.54	155	5452	7.96768 ppb		91
88)	1,2,4-Trichlorobenzene	25.98	180	47797	9.24982 ppb		94
89)	Hexachlorobutadiene	26.21	225	30027	9.71396 ppb		100
90)	Naphthalene	26.32	128	96657	9.16659 ppb		98
91)	1,2,3-Trichlorobenzene	26.69	180	40274	8.44172 ppb		99

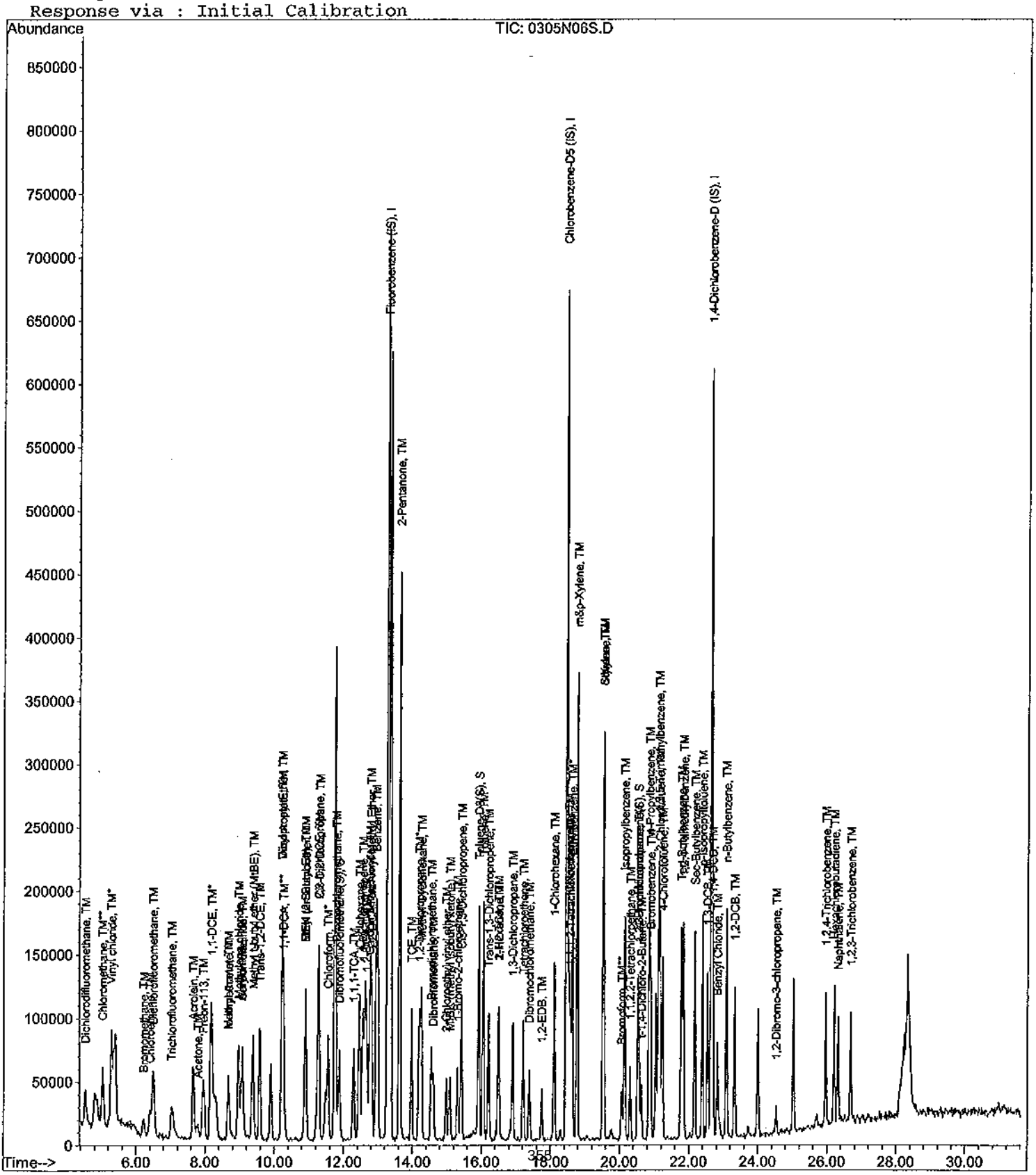
(#) = qualifier out of range (m) = manual integration
0305N06S.D NALLS.M Fri Mar 09 10:08:20 2012 Page 2

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N06S.D Vial: 1
Acq On : 5 Mar 12 14:03 Operator: SV,DG,RS
Sample : 10ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N07S.D Vial: 1
Acq On : 5 Mar 12 14:41 Operator: SV,DG,RS
Sample : 20ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.28	96	317376	50.00000 ppb		-0.01
51) Chlorobenzene-D5 (IS)	18.46	117	199168	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.66	152	83864	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.87	111	118774	19.31308 ppb		0.00
Spiked Amount 41.312			Recovery = 46.750%			
34) 1,2-DCA-D4(S)	12.67	65	136303	20.43305 ppb		0.00
Spiked Amount 41.649			Recovery = 49.061%			
52) Toluene-D8(S)	15.93	98	355754	20.66593 ppb		0.00
Spiked Amount 35.274			Recovery = 58.587%			
60) 4-Bromofluorobenzene(S)	20.53	95	130751	21.12129 ppb		0.00
Spiked Amount 35.584			Recovery = 59.356%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.52	85	151229	25.85140 ppb		95
3) Chloromethane	5.04	50	245891	22.06548 ppb		98
4) Vinyl chloride	5.28	62	48840	20.61805 ppb		97
5) Bromomethane	6.20	94	61281	19.17915 ppb		98
6) Chloroethane	6.40	64	90525	21.56538 ppb		96
7) Dichlorofluoromethane	6.49	67	274883	20.01176 ppb		95
8) Trichlorofluoromethane	7.03	101	131787	22.75781 ppb		98
9) Acrolein	7.66	56	158233	196.46133 ppb		95
10) Acetone	7.78	43	62197	24.16371 ppb		98
11) Freon-113	7.95	101	91970	22.04311 ppb		92
12) 1,1-DCE	8.18	96	93832	21.75834 ppb		84
14) Methyl Acetate	8.67	43	228050	28.72764 ppb		94
15) Iodomethane	8.65	142	68610	20.60803 ppb		92
16) Acrylonitrile	9.06	53	44281	20.68246 ppb		79
17) Methylene chloride	8.95	86	79787	19.80105 ppb		88
18) Carbon disulfide	9.07	76	388344	19.96835 ppb		97
19) Methyl t-butyl ether (MtBE	9.38	73	294007	18.89555 ppb		97
20) Trans-1,2-DCE	9.58	96	110626	19.74569 ppb		92
21) Diisopropyl Ether	10.22	45	572911	19.98379 ppb		99
22) 1,1-DCA	10.26	63	242498	19.74206 ppb		97
23) Vinyl Acetate	10.22	43	419801	18.48648 ppb		99
24) Ethyl tert Butyl Ether	10.91	59	412418	19.54053 ppb		96
25) MEK (2-Butanone)	10.89	43	116629	20.50128 ppb	#	82
26) Cis-1,2-DCE	11.28	96	125471	19.91506 ppb		94
27) 2,2-Dichloropropane	11.27	77	169204	20.12640 ppb		95
28) Chloroform	11.55	83	206499	19.11850 ppb		99
29) Bromochloromethane	11.78	128	45925	20.90406 ppb		80
31) 1,1,1-TCA	12.29	97	153491	19.73587 ppb		96
32) Cyclohexane	12.45	56	201187	22.52119 ppb		94
33) 1,1-Dichloropropene	12.56	75	153485	20.58053 ppb	#	90
35) Carbon Tetrachloride	12.76	117	113099	19.09964 ppb		95
36) Tert Amyl Methyl Ether	12.80	73	318732	19.18110 ppb		96
37) 1,2-DCA	12.82	62	150908	18.70538 ppb		99
38) Benzene	12.94	78	457237	19.24848 ppb		95
39) TCE	13.97	95	111395	20.44712 ppb		97
40) 2-Pentanone	13.62	43	1073322	187.95950 ppb		100
41) 1,2-Dichloropropane	14.19	63	140936	19.85423 ppb		99
42) Bromodichloromethane	14.55	83	156882	19.05794 ppb		98
43) Dibromomethane	14.61	93	72025	19.11042 ppb		89
44) Methyl Cyclohexane	14.25	83	151134	22.61348 ppb		86
45) 2-Chloroethyl vinyl ether	14.99	63	70427	20.25809 ppb		98

(#) = qualifier out of range (m) = manual integration
0305N07S.D NALLS.M Fri Mar 09 10:08:22 2012 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N07S.D Vial: 1
Acq On : 5 Mar 12 14:41 Operator: SV,DG,RS
Sample : 20ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.31	63	157575	19.28720 ppb		96
47)	Cis-1,3-Dichloropropene	15.42	75	195824	19.08838 ppb		98
48)	Toluene	16.06	91	436067	19.50680 ppb		95
49)	Trans-1,3-Dichloropropene	16.21	75	168010	19.58002 ppb		94
50)	1,1,2-TCA	16.51	83	77790	20.01844 ppb		98
53)	1,2-EDB	17.76	107	87494	19.56275 ppb	#	84
54)	Tetrachloroethene	17.21	129	71015	21.68222 ppb		96
55)	1-Chlorohexane	18.11	91	145737	21.68158 ppb		91
56)	1,1,1,2-Tetrachloroethane	18.57	131	88807	19.49574 ppb		85
57)	m&p-Xylene	18.77	106	303495	39.47622 ppb		97
58)	o-Xylene	19.53	106	147443	19.12472 ppb		93
59)	Styrene	19.54	78	157879	19.25280 ppb		100
61)	2-Hexanone	16.53	43	98882	20.76074 ppb		96
62)	1,3-Dichloropropane	16.91	76	158499	20.32333 ppb		99
63)	Dibromochloromethane	17.39	129	104679	19.90561 ppb		89
64)	Chlorobenzene	18.52	112	247871	19.80066 ppb		93
65)	Ethylbenzene	18.63	91	453056	19.86250 ppb		94
66)	Bromoform	20.07	173	61585	19.31865 ppb		93
68)	MIBK (methyl isobutyl keto	15.09	43	138394	20.03191 ppb		93
69)	Isopropylbenzene	20.15	105	372387	19.24306 ppb		96
70)	1,1,2,2-Tetrachloroethane	20.30	83	104149	18.24443 ppb		97
71)	1,2,3-Trichloropropane	20.58	110	21342	17.28861 ppb		91
72)	t-1,4-Dichloro-2-Butene	20.63	53	32355	18.36731 ppb		81
73)	Bromobenzene	20.91	156	90383	18.30391 ppb		90
74)	n-Propylbenzene	20.86	91	495441	19.20214 ppb		99
75)	2-Chlorotoluene	21.16	91	332583	18.85582 ppb		100
76)	1,3,5-Trimethylbenzene	21.13	105	307705	19.24040 ppb		97
77)	4-Chlorotoluene	21.24	91	291972	18.77631 ppb		99
78)	Tert-Butylbenzene	21.79	119	287375	19.23043 ppb		98
79)	1,2,4-Trimethylbenzene	21.85	105	314429	19.26309 ppb		99
80)	Sec-Butylbenzene	22.17	105	407703	19.61272 ppb		100
81)	p-Isopropyltoluene	22.40	119	307109	19.18167 ppb		99
82)	Benzyl Chloride	22.83	91	172768	18.67508 ppb		97
83)	1,3-DCB	22.55	146	159522	18.94277 ppb		94
84)	1,4-DCB	22.71	146	158611	18.62490 ppb		92
85)	n-Butylbenzene	23.09	91	307405	18.17372 ppb		97
86)	1,2-DCB	23.34	146	139615	18.09580 ppb		100
87)	1,2-Dibromo-3-chloropropan	24.54	155	12017	17.99583 ppb	#	69
88)	1,2,4-Trichlorobenzene	25.97	180	90595	17.96537 ppb		97
89)	Hexachlorobutadiene	26.21	225	58841	19.50582 ppb		82
90)	Naphthalene	26.32	128	192848	18.74084 ppb		99
91)	1,2,3-Trichlorobenzene	26.69	180	79167	18.39496 ppb		95

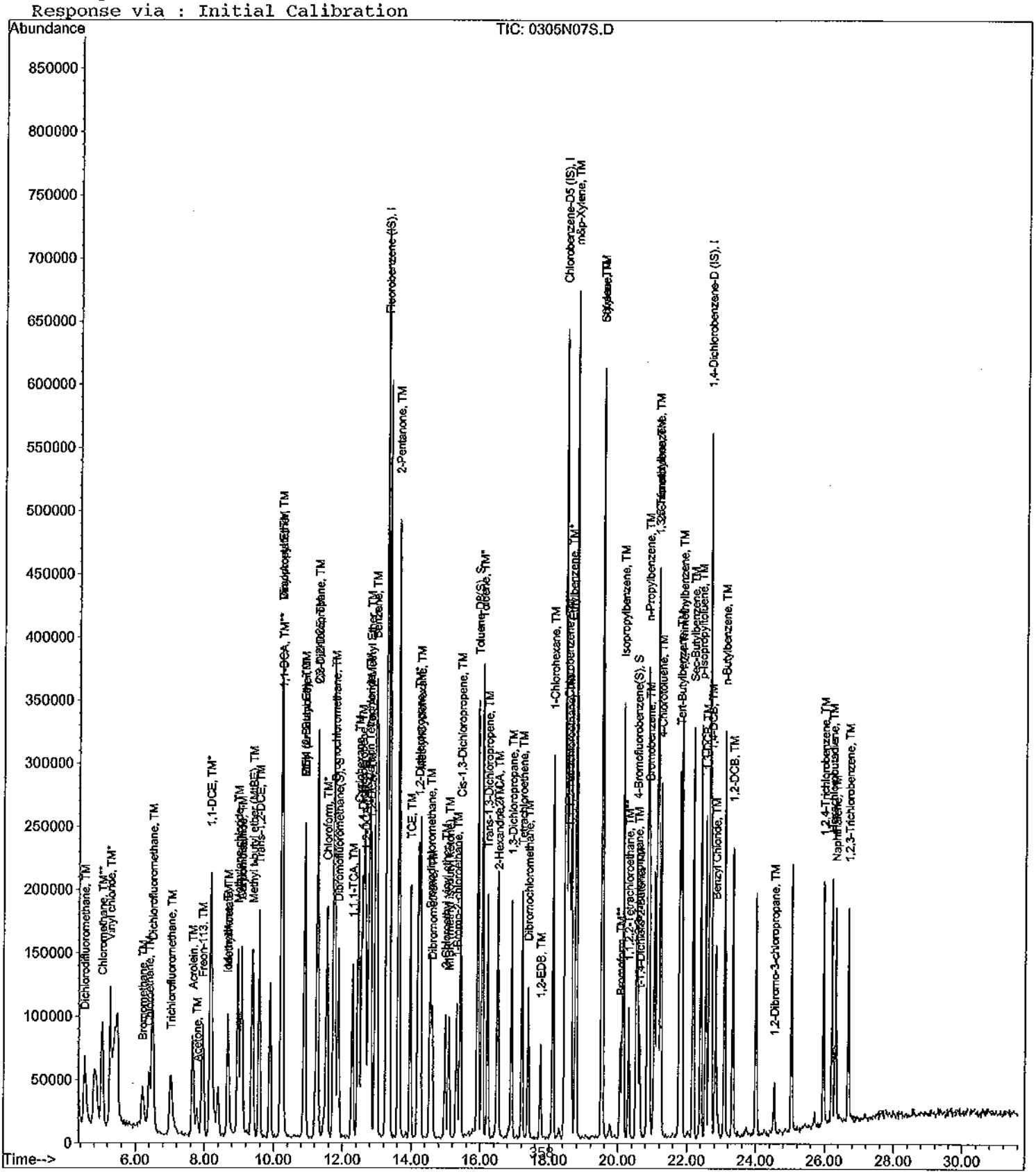
(#) = qualifier out of range (m) = manual integration
0305N07S.D NALLS.M Fri Mar 09 10:08:23 2012 Page 2

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N07S.D Vial: 1
Acq On : 5 Mar 12 14:41 Operator: SV,DG,RS
Sample : 20ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N08S.D Vial: 1
Acq On : 5 Mar 12 15:19 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.29	96	309248	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.46	117	209344	50.00000 ppb	0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	79952	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.88	111	259757	43.34755 ppb	0.00
Spiked Amount 41.312			Recovery = 104.929%		
34) 1,2-DCA-D4(S)	12.68	65	288832	44.43654 ppb	0.00
Spiked Amount 41.649			Recovery = 106.695%		
52) Toluene-D8(S)	15.94	98	786463	43.46529 ppb	0.00
Spiked Amount 35.274			Recovery = 123.220%		
60) 4-Bromofluorobenzene(S)	20.53	95	285672	44.60902 ppb	0.00
Spiked Amount 35.584			Recovery = 125.364%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.53	85	195394	34.17252 ppb	100
3) Chloromethane	5.04	50	476574	46.87555 ppb	100
4) Vinyl chloride	5.29	62	99368	43.05125 ppb	100
5) Bromomethane	6.22	94	136472	41.39130 ppb	100
6) Chloroethane	6.42	64	193180	47.25658 ppb	100
7) Dichlorofluoromethane	6.51	67	672430	50.24023 ppb	100
8) Trichlorofluoromethane	7.04	101	224334	39.57926 ppb	100
9) Acrolein	7.67	56	195424	249.01476 ppb	100
10) Acetone	7.79	43	106704	51.82748 ppb	100
11) Freon-113	7.96	101	155511	37.01702 ppb	100
12) 1,1-DCE	8.19	96	182313	43.38699 ppb	100
14) Methyl Acetate	8.67	43	337579	49.37658 ppb	100
15) Iodomethane	8.67	142	163137	48.87872 ppb	100
16) Acrylonitrile	9.06	53	109150	52.32096 ppb	100
17) Methylene chloride	8.97	86	192247	50.18463 ppb	100
18) Carbon disulfide	9.09	76	806879	42.57956 ppb	100
19) Methyl t-butyl ether (MtBE	9.38	73	750556	49.50534 ppb	100
20) Trans-1,2-DCE	9.59	96	251409	46.05356 ppb	100
21) Diisopropyl Ether	10.23	45	1360694	48.71003 ppb	100
22) 1,1-DCA	10.27	63	583591	48.75960 ppb	100
23) Vinyl Acetate	10.23	43	1115589	50.41761 ppb	100
24) Ethyl tert Butyl Ether	10.91	59	986714	47.97967 ppb	100
25) MEK (2-Butanone)	10.89	43	254035	50.68085 ppb	100
26) Cis-1,2-DCE	11.28	96	308836	50.30756 ppb	100
27) 2,2-Dichloropropane	11.27	77	375527	45.84202 ppb	100
28) Chloroform	11.56	83	522687	49.66434 ppb	100
29) Bromochloromethane	11.78	128	102742	47.99509 ppb	100
31) 1,1,1-TCA	12.29	97	357344	47.15492 ppb	100
32) Cyclohexane	12.46	56	336646	38.67516 ppb	100
33) 1,1-Dichloropropene	12.56	75	322797	44.42090 ppb	100
35) Carbon Tetrachloride	12.76	117	267118	46.29528 ppb	100
36) Tert Amyl Methyl Ether	12.79	73	797254	49.23928 ppb	100
37) 1,2-DCA	12.83	62	390694	49.70020 ppb	100
38) Benzene	12.95	78	1120106	48.39288 ppb	100
39) TCE	13.98	95	258943	48.77956 ppb	100
40) 2-Pentanone	13.62	43	1374111	246.95809 ppb	100
41) 1,2-Dichloropropane	14.20	63	351929	50.88073 ppb	100
42) Bromodichloromethane	14.55	83	402089	50.12937 ppb	100
43) Dibromomethane	14.61	93	176388	48.03116 ppb	100
44) Methyl Cyclohexane	14.26	83	259230	38.67782 ppb	100
45) 2-Chloroethyl vinyl ether	14.99	63	164534	48.57158 ppb	100

(#) = qualifier out of range (m) = manual integration
0305N08S.D NALLS.M Fri Mar 09 10:08:25 2012 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N08S.D Vial: 1
Acq On : 5 Mar 12 15:19 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.32	63	396229	49.77317	ppb	100
47)	Cis-1,3-Dichloropropene	15.42	75	475462	47.56485	ppb	100
48)	Toluene	16.06	91	1091879	50.12732	ppb	100
49)	Trans-1,3-Dichloropropene	16.21	75	384962	46.04295	ppb	100
50)	1,1,2-TCA	16.50	83	194758	51.43622	ppb	100
53)	1,2-EDB	17.76	107	222670	47.36662	ppb	100
54)	Tetrachloroethene	17.21	129	154379	44.84365	ppb	100
55)	1-Chlorohexane	18.11	91	304373	43.08104	ppb	100
56)	1,1,1,2-Tetrachloroethane	18.57	131	231485	48.34754	ppb	100
57)	m&p-Xylene	18.77	106	756129	93.57051	ppb	100
58)	o-Xylene	19.52	106	400174	49.38314	ppb	100
59)	Styrene	19.54	78	423293	49.10997	ppb	100
61)	2-Hexanone	16.51	43	233683	46.67794	ppb	100
62)	1,3-Dichloropropane	16.91	76	376695	45.95336	ppb	100
63)	Dibromochloromethane	17.39	129	267685	48.42828	ppb	100
64)	Chlorobenzene	18.52	112	653626	49.67550	ppb	100
65)	Ethylbenzene	18.63	91	1131319	47.18742	ppb	100
66)	Bromoform	20.07	173	163485	48.79090	ppb	100
68)	MIBK (methyl isobutyl keto	15.09	43	331063	50.26458	ppb	100
69)	Isopropylbenzene	20.16	105	933992	50.62547	ppb	100
70)	1,1,2,2-Tetrachloroethane	20.31	83	277739	51.03384	ppb	100
71)	1,2,3-Trichloropropane	20.57	110	62195	53.62017	ppb	100
72)	t-1,4-Dichloro-2-Butene	20.63	53	95246	56.71488	ppb	100
73)	Bromobenzene	20.91	156	238459	50.65439	ppb	100
74)	n-Propylbenzene	20.86	91	1232187	50.09341	ppb	100
75)	2-Chlorotoluene	21.16	91	868223	51.63246	ppb	100
76)	1,3,5-Trimethylbenzene	21.13	105	778941	51.08934	ppb	100
77)	4-Chlorotoluene	21.24	91	766432	51.69981	ppb	100
78)	Tert-Butylbenzene	21.79	119	726458	50.99139	ppb	100
79)	1,2,4-Trimethylbenzene	21.85	105	806715	51.84057	ppb	100
80)	Sec-Butylbenzene	22.17	105	996762	50.29580	ppb	100
81)	p-Isopropyltoluene	22.40	119	742872	48.66919	ppb	100
82)	Benzyl Chloride	22.83	91	404453	45.85783	ppb	100
83)	1,3-DCB	22.54	146	430029	53.56323	ppb	100
84)	1,4-DCB	22.71	146	387554	47.73524	ppb	100
85)	n-Butylbenzene	23.09	91	803141	49.80476	ppb	100
86)	1,2-DCB	23.34	146	392147	53.31395	ppb	100
87)	1,2-Dibromo-3-chloropropan	24.53	155	36765	57.75062	ppb	100
88)	1,2,4-Trichlorobenzene	25.96	180	235436	48.97237	ppb	100
89)	Hexachlorobutadiene	26.22	225	142065	49.39891	ppb	100
90)	Naphthalene	26.33	128	500677	51.03614	ppb	100
91)	1,2,3-Trichlorobenzene	26.69	180	211058	53.90387	ppb	100

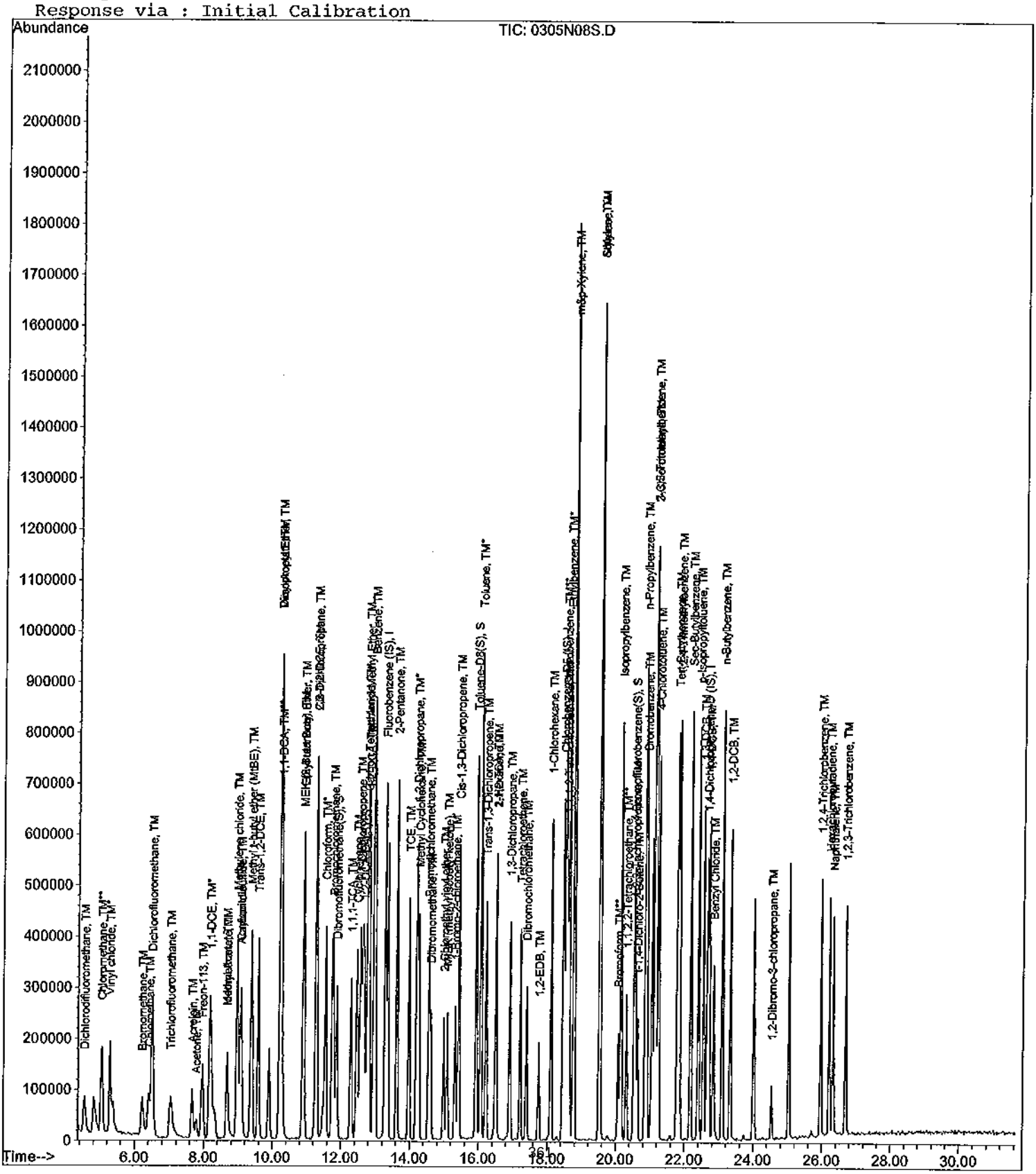
Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N08S.D
Acq On : 5 Mar 12 15:19
Sample : 50ug/kg Vol Std 03-05-12
Misc : Soil 5mL w/IS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N09S.D
Acq On : 5 Mar 12 15:57
Sample : 100ug/kg Vol Std 03-05-12
Misc : Soil 5mL w/IS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.28	96	321792	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.46	117	214592	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	92080	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.88	111	603696	96.81603 ppb		0.00
Spiked Amount 41.312			Recovery = 234.355%			
34) 1,2-DCA-D4(S)	12.67	65	681851	100.81289 ppb		0.00
Spiked Amount 41.649			Recovery = 242.057%			
52) Toluene-D8(S)	15.93	98	1715000	92.46458 ppb		0.00
Spiked Amount 35.274			Recovery = 262.131%			
60) 4-Bromofluorobenzene(S)	20.53	95	664595	102.07162 ppb		0.00
Spiked Amount 35.584			Recovery = 286.851%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.53	85	632485	105.61450 ppb		100
3) Chloromethane	5.05	50	1072021	104.83940 ppb		96
4) Vinyl chloride	5.28	62	235648	98.11482 ppb		98
5) Bromomethane	6.22	94	369505	104.65598 ppb		95
6) Chloroethane	6.40	64	456087	107.24923 ppb		94
7) Dichlorofluoromethane	6.50	67	1419861	101.94877 ppb		98
8) Trichlorofluoromethane	7.03	101	629383	106.30849 ppb		93
9) Acrolein	7.66	56	237350	290.64850 ppb		93
10) Acetone	7.79	43	206600	106.94059 ppb		96
11) Freon-113	7.96	101	472647	104.89449 ppb		97
12) 1,1-DCE	8.19	96	448402	102.55129 ppb		91
14) Methyl Acetate	8.69	43	665571	103.43728 ppb		92
15) Iodomethane	8.68	142	364721	103.89282 ppb	#	89
16) Acrylonitrile	9.06	53	209899	96.69276 ppb		95
17) Methylene chloride	8.96	86	395366	99.99286 ppb		97
18) Carbon disulfide	9.08	76	1825025	92.55357 ppb		96
19) Methyl t-butyl ether (MtBE	9.39	73	1604071	101.67734 ppb		97
20) Trans-1,2-DCE	9.58	96	564381	99.35424 ppb		92
21) Diisopropyl Ether	10.22	45	3004059	103.34703 ppb		100
22) 1,1-DCA	10.27	63	1240544	99.60826 ppb		100
23) Vinyl Acetate	10.23	43	2433268	105.68166 ppb		99
24) Ethyl tert Butyl Ether	10.90	59	2208905	103.22256 ppb		98
25) MEK (2-Butanone)	10.90	43	545220	108.70667 ppb	#	91
26) Cis-1,2-DCE	11.29	96	648506	101.51986 ppb		96
27) 2,2-Dichloropropane	11.28	77	857927	100.64786 ppb		96
28) Chloroform	11.56	83	1117173	102.01289 ppb		98
29) Bromochloromethane	11.78	128	209645	94.11632 ppb		89
31) 1,1,1-TCA	12.30	97	815087	103.36564 ppb		95
32) Cyclohexane	12.47	56	938831	103.65202 ppb		98
33) 1,1-Dichloropropene	12.56	75	765985	101.30008 ppb		95
35) Carbon Tetrachloride	12.75	117	643713	107.21548 ppb		99
36) Tert Amyl Methyl Ether	12.79	73	1723251	102.28105 ppb		97
37) 1,2-DCA	12.82	62	829922	101.45895 ppb		99
38) Benzene	12.96	78	2371578	98.46716 ppb		96
39) TCE	13.97	95	573480	103.82061 ppb		96
40) 2-Pentanone	13.63	43	1683240	290.72283 ppb		98
41) 1,2-Dichloropropane	14.20	63	744850	103.49008 ppb		99
42) Bromodichloromethane	14.55	83	883681	105.87592 ppb		98
43) Dibromomethane	14.61	93	382453	100.08380 ppb		98
44) Methyl Cyclohexane	14.26	83	746869	104.46441 ppb		92
45) 2-Chloroethyl vinyl ether	14.99	63	365049	103.56414 ppb		94

(#) = qualifier out of range (m) = manual integration
0305N09S.D NALLS.M Fri Mar 09 10:08:27 2012

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N09S.D Vial: 1
Acq On : 5 Mar 12 15:57 Operator: SV,DG,RS
Sample : 100ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.32	63	832261	100.47088 ppb		98
47)	Cis-1,3-Dichloropropene	15.43	75	1037415	99.73658 ppb		98
48)	Toluene	16.06	91	2223553	98.10229 ppb		98
49)	Trans-1,3-Dichloropropene	16.22	75	883515	101.55255 ppb		96
50)	1,1,2-TCA	16.50	83	401337	101.86256 ppb		95
53)	1,2-EDB	17.75	107	466606	96.82958 ppb	#	86
54)	Tetrachloroethene	17.22	129	336309	95.30116 ppb		94
55)	1-Chlorohexane	18.12	91	709803	98.00875 ppb		92
56)	1,1,1,2-Tetrachloroethane	18.58	131	479288	97.65512 ppb		98
57)	m&p-Xylene	18.77	106	1554818	187.70232 ppb		99
58)	o-Xylene	19.52	106	804358	96.83364 ppb		96
59)	Styrene	19.53	78	863122	97.68948 ppb		94
61)	2-Hexanone	16.51	43	458564	89.35761 ppb		91
62)	1,3-Dichloropropane	16.90	76	833642	99.20966 ppb		95
63)	Dibromochloromethane	17.40	129	579745	102.31964 ppb		97
64)	Chlorobenzene	18.53	112	1284632	95.24422 ppb		97
65)	Ethylbenzene	18.64	91	2396630	97.51898 ppb		94
66)	Bromoform	20.06	173	342663	99.76428 ppb		99
68)	MIBK (methyl isobutyl keto	15.08	43	663656	87.49000 ppb		92
69)	Isopropylbenzene	20.15	105	1913492	90.05682 ppb		98
70)	1,1,2,2-Tetrachloroethane	20.31	83	576788	92.02411 ppb		98
71)	1,2,3-Trichloropropane	20.58	110	130539	98.02741 ppb		89
72)	t-1,4-Dichloro-2-Butene	20.63	53	177743	91.89816 ppb		95
73)	Bromobenzene	20.90	156	489986	90.37558 ppb		96
74)	n-Propylbenzene	20.86	91	2628587	92.78768 ppb		99
75)	2-Chlorotoluene	21.17	91	1794902	92.68219 ppb		98
76)	1,3,5-Trimethylbenzene	21.13	105	1662390	94.67224 ppb		95
77)	4-Chlorotoluene	21.25	91	1488501	87.18233 ppb		99
78)	Tert-Butylbenzene	21.80	119	1508479	91.93685 ppb		95
79)	1,2,4-Trimethylbenzene	21.85	105	1659391	92.58963 ppb		100
80)	Sec-Butylbenzene	22.18	105	2137117	93.63378 ppb		98
81)	p-Isopropyltoluene	22.40	119	1658200	94.32809 ppb		96
82)	Benzyl Chloride	22.83	91	896384	88.24773 ppb		97
83)	1,3-DCB	22.54	146	832725	90.06056 ppb		94
84)	1,4-DCB	22.71	146	817240	87.40183 ppb		98
85)	n-Butylbenzene	23.10	91	1711209	92.13956 ppb		98
86)	1,2-DCB	23.33	146	779751	92.04749 ppb		98
87)	1,2-Dibromo-3-chloropropan	24.53	155	70880	96.67402 ppb		81
88)	1,2,4-Trichlorobenzene	25.97	180	491315	88.73650 ppb		99
89)	Hexachlorobutadiene	26.22	225	319809	96.55728 ppb		97
90)	Naphthalene	26.32	128	1036853	91.77014 ppb		100
91)	1,2,3-Trichlorobenzene	26.70	180	442546	99.26419 ppb		100

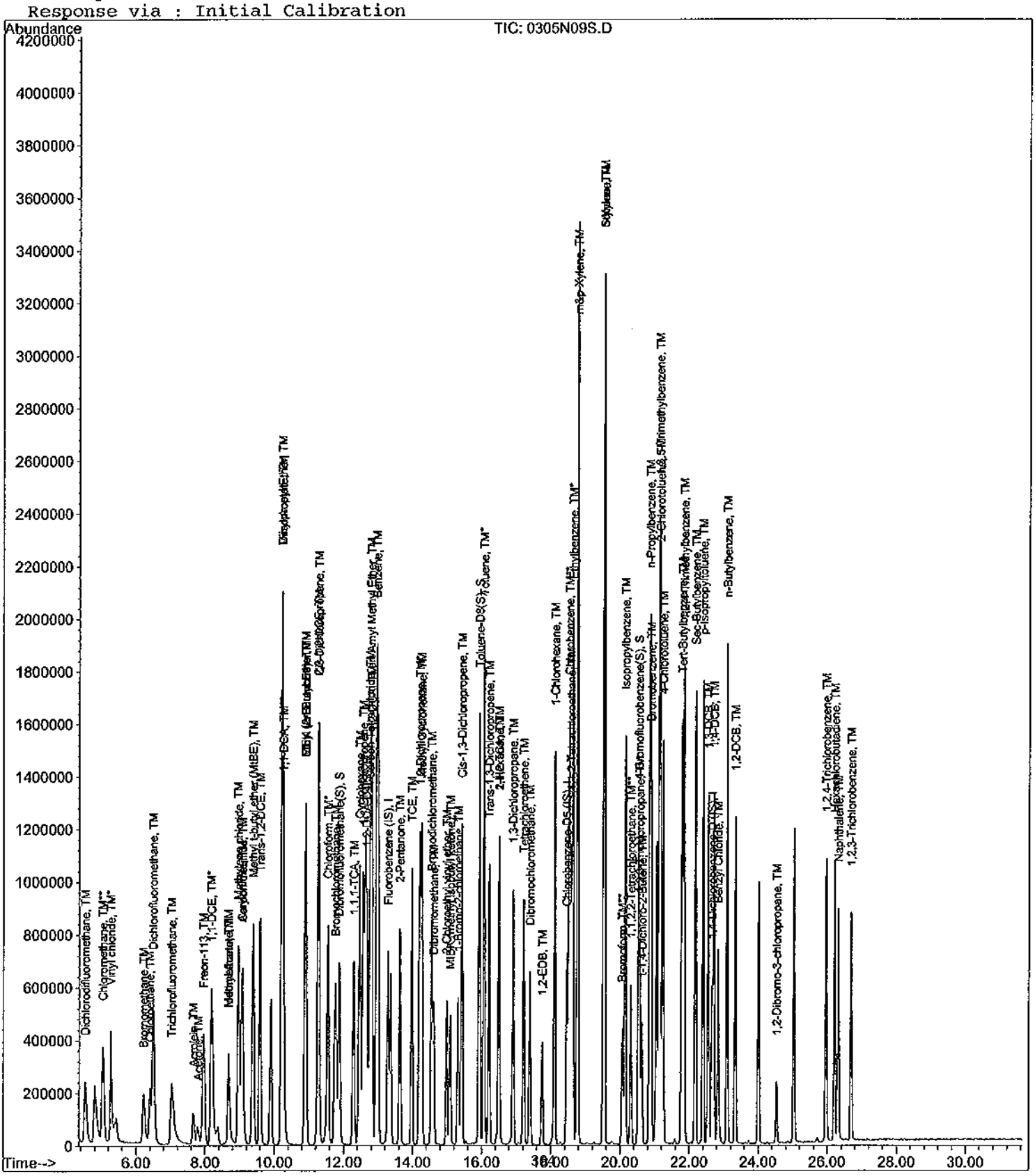
(#) = qualifier out of range (m) = manual integration
0305N09S.D NALLS.M Fri Mar 09 10:08:27 2012 Page 2

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N09S.D Vial: 1
Acq On : 5 Mar 12 15:57 Operator: SV,DG,RS
Sample : 100ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N10S.D Vial: 1
Acq On : 5 Mar 12 16:35 Operator: SV,DG,RS
Sample : 200ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.29	96	311360	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.46	117	174144	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.66	152	73280	50.00000 ppb		0.01
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.88	111	1040045	172.38263 ppb		0.00
Spiked Amount 41.312			Recovery = 417.275%			
34) 1,2-DCA-D4(S)	12.68	65	1171226	178.96979 ppb		0.00
Spiked Amount 41.649			Recovery = 429.715%			
52) Toluene-D8(S)	15.94	98	3089451	205.25683 ppb		0.00
Spiked Amount 35.274			Recovery = 581.888%			
60) 4-Bromofluorobenzene(S)	20.53	95	1054159	200.13153 ppb		0.00
Spiked Amount 35.584			Recovery = 562.428%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.52	85	1162880	200.39380 ppb		90
3) Chloromethane	5.04	50	1934939	198.18143 ppb		98
4) Vinyl chloride	5.28	62	417024	179.45035 ppb		99
5) Bromomethane	6.20	94	688665	199.82761 ppb		100
6) Chloroethane	6.39	64	810231	196.92866 ppb		93
7) Dichlorofluoromethane	6.50	67	2531706	187.87192 ppb		99
8) Trichlorofluoromethane	7.03	101	1141580	199.07487 ppb		95
9) Acrolein	7.66	56	246575	312.06159 ppb		97
10) Acetone	7.80	43	349055	195.83754 ppb		93
11) Freon-113	7.95	101	880492	200.40038 ppb		96
12) 1,1-DCE	8.18	96	826796	195.42692 ppb		95
14) Methyl Acetate	8.68	43	1174143	197.68029 ppb		96
15) Iodomethane	8.67	142	676921	198.38650 ppb	#	91
16) Acrylonitrile	9.06	53	360730	171.74270 ppb		92
17) Methylene chloride	8.97	86	689361	180.85354 ppb		96
18) Carbon disulfide	9.08	76	3268996	171.33701 ppb		95
19) Methyl t-butyl ether (MtBE	9.39	73	2694907	176.54556 ppb		98
20) Trans-1,2-DCE	9.59	96	987042	179.58171 ppb		96
21) Diisopropyl Ether	10.22	45	5270479	187.39244 ppb		100
22) 1,1-DCA	10.27	63	2237810	185.70295 ppb		99
23) Vinyl Acetate	10.23	43	4259392	191.19200 ppb		99
24) Ethyl tert Butyl Ether	10.91	59	3839343	185.42441 ppb		97
25) MEK (2-Butanone)	10.90	43	934403	195.57372 ppb	#	88
26) Cis-1,2-DCE	11.28	96	1124327	181.90392 ppb		98
27) 2,2-Dichloropropane	11.27	77	1531543	185.69314 ppb		99
28) Chloroform	11.56	83	1924203	181.59250 ppb		98
29) Bromochloromethane	11.79	128	357175	165.71961 ppb		93
31) 1,1,1-TCA	12.29	97	1489452	195.21408 ppb		96
32) Cyclohexane	12.46	56	1761740	201.02246 ppb		100
33) 1,1-Dichloropropene	12.56	75	1406847	192.28651 ppb		94
35) Carbon Tetrachloride	12.76	117	1160811	199.82010 ppb		99
36) Tert Amyl Methyl Ether	12.79	73	2877120	176.48876 ppb		97
37) 1,2-DCA	12.83	62	1434060	181.18942 ppb		99
38) Benzene	12.95	78	4235821	181.76239 ppb		95
39) TCE	13.98	95	984179	184.14157 ppb		90
40) 2-Pentanone	13.64	43	1634881	291.83116 ppb		100
41) 1,2-Dichloropropane	14.20	63	1263186	181.38845 ppb		99
42) Bromodichloromethane	14.55	83	1490557	184.57067 ppb		99
43) Dibromomethane	14.61	93	642582	173.79076 ppb		94
44) Methyl Cyclohexane	14.26	83	1394516	200.20521 ppb		96
45) 2-Chloroethyl vinyl ether	14.99	63	588943	172.68074 ppb		93

(#) = qualifier out of range (m) = manual integration
0305N10S.D NALLS.M Fri Mar 09 10:08:29 2012 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N10S.D Vial: 1
Acq On : 5 Mar 12 16:35 Operator: SV,DG,RS
Sample : 200ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.32	63	1447443	180.59036 ppb		98
47)	Cis-1,3-Dichloropropene	15.42	75	1775326	176.39753 ppb		97
48)	Toluene	16.06	91	3973925	181.20232 ppb		99
49)	Trans-1,3-Dichloropropene	16.21	75	1475146	175.23641 ppb		97
50)	1,1,2-TCA	16.51	83	688075	180.49018 ppb		98
53)	1,2-EDB	17.76	107	794671	203.21235 ppb	#	91
54)	Tetrachloroethene	17.22	129	613784	214.32867 ppb		96
55)	1-Chlorohexane	18.12	91	1316133	223.94008 ppb		92
56)	1,1,1,2-Tetrachloroethane	18.58	131	776501	194.96000 ppb		96
57)	m&p-Xylene	18.77	106	2772634	412.46551 ppb		97
58)	o-Xylene	19.52	106	1357907	201.44287 ppb		100
59)	Styrene	19.54	78	1420928	198.17675 ppb		99
61)	2-Hexanone	16.52	43	754973	181.28756 ppb		92
62)	1,3-Dichloropropane	16.91	76	1361743	199.69838 ppb		98
63)	Dibromochloromethane	17.40	129	950232	206.66010 ppb		99
64)	Chlorobenzene	18.53	112	2153729	196.76868 ppb		98
65)	Ethylbenzene	18.63	91	4063566	203.75134 ppb		97
66)	Bromoform	20.07	173	559116	200.59256 ppb		94
68)	MIBK (methyl isobutyl keto	15.10	43	1089430	180.46566 ppb		98
69)	Isopropylbenzene	20.15	105	3504693	207.26205 ppb		97
70)	1,1,2,2-Tetrachloroethane	20.32	83	958814	192.22047 ppb		96
71)	1,2,3-Trichloropropane	20.57	110	211914	200.35218 ppb		89
72)	t-1,4-Dichloro-2-Butene	20.63	53	293860	190.91262 ppb		95
73)	Bromobenzene	20.91	156	820363	190.13117 ppb		98
74)	n-Propylbenzene	20.86	91	4597630	203.93033 ppb		99
75)	2-Chlorotoluene	21.16	91	2930149	190.11882 ppb		99
76)	1,3,5-Trimethylbenzene	21.13	105	2771899	198.35675 ppb		97
77)	4-Chlorotoluene	21.24	91	2582460	190.06090 ppb		100
78)	Tert-Butylbenzene	21.79	119	2641816	202.31719 ppb		100
79)	1,2,4-Trimethylbenzene	21.85	105	2803437	196.55508 ppb		100
80)	Sec-Butylbenzene	22.18	105	3820453	210.32891 ppb		100
81)	p-Isopropyltoluene	22.40	119	2806324	200.59579 ppb		98
82)	Benzyl Chloride	22.83	91	1425738	176.37174 ppb		95
83)	1,3-DCB	22.55	146	1388853	188.74227 ppb		94
84)	1,4-DCB	22.72	146	1352626	181.77263 ppb		97
85)	n-Butylbenzene	23.10	91	2947153	199.40021 ppb		98
86)	1,2-DCB	23.34	146	1289645	191.29606 ppb		99
87)	1,2-Dibromo-3-chloropropan	24.54	155	120618	206.71789 ppb		91
88)	1,2,4-Trichlorobenzene	25.97	180	789448	179.16189 ppb		97
89)	Hexachlorobutadiene	26.22	225	539027	204.49594 ppb		89
90)	Naphthalene	26.32	128	1581186	175.85188 ppb		98
91)	1,2,3-Trichlorobenzene	26.69	180	703405	199.62049 ppb		97

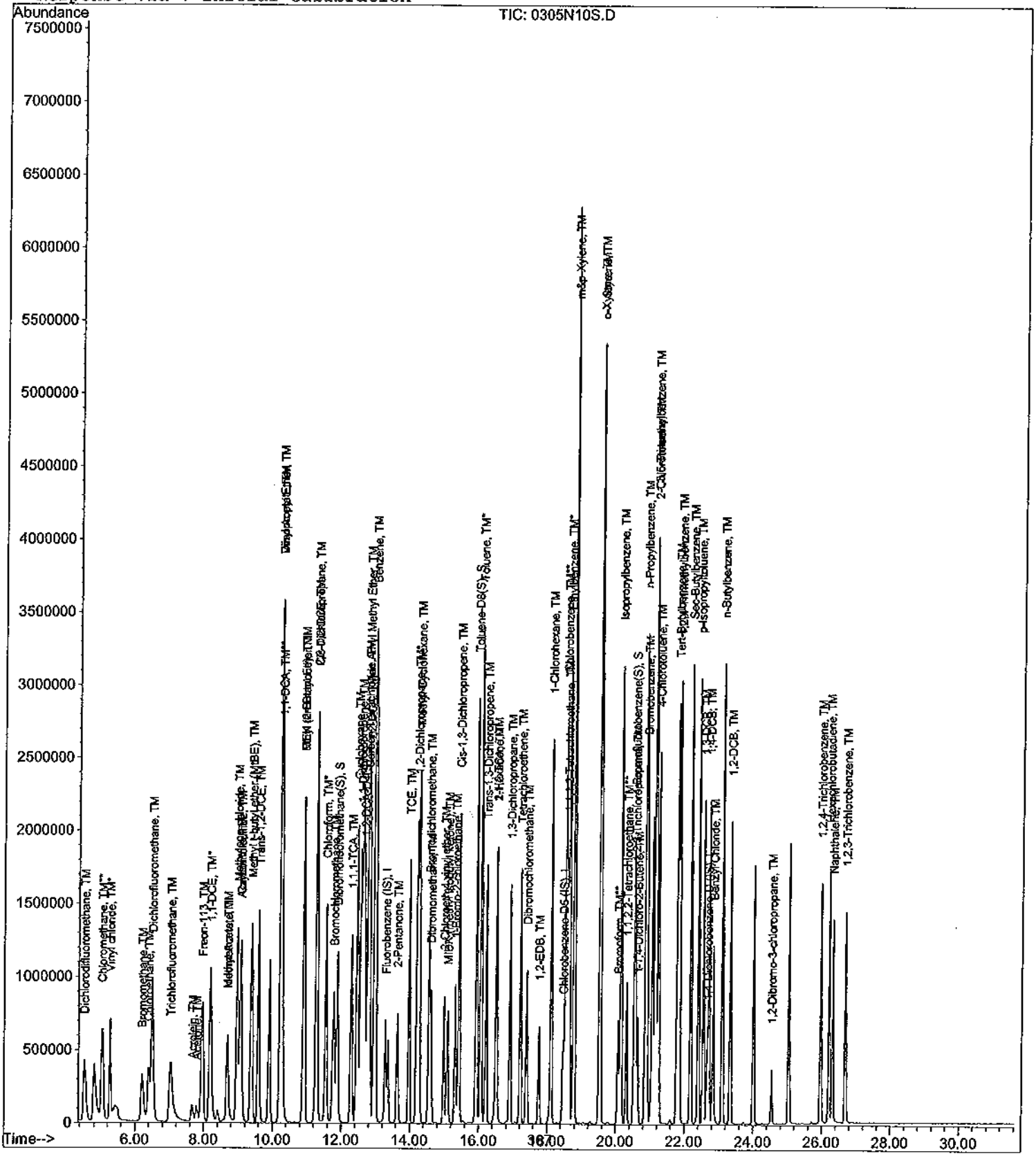
Quantitation Report

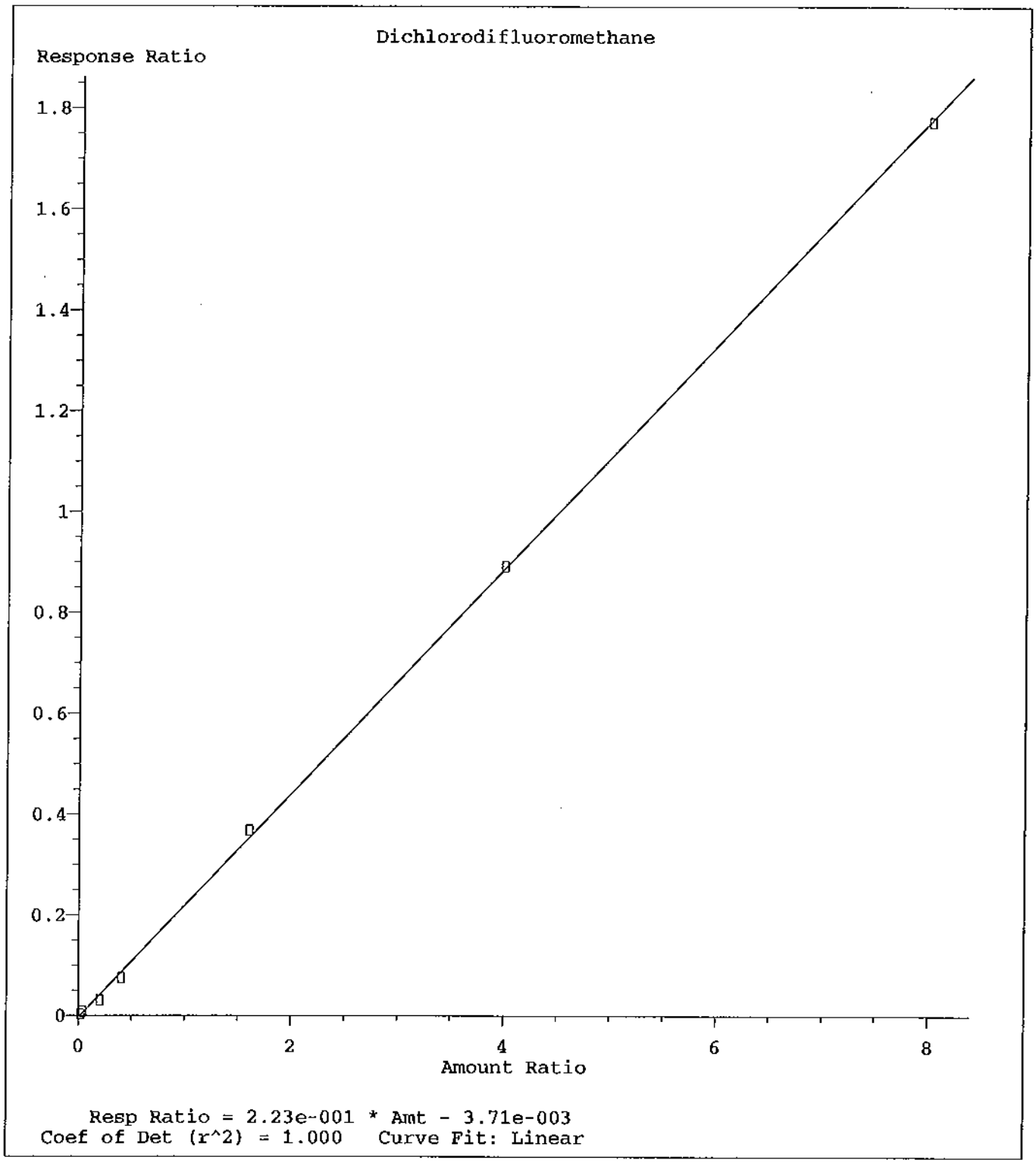
Data File : M:\NEO\DATA\N120305\0305N10S.D
Acq On : 5 Mar 12 16:35
Sample : 200ug/kg Vol Std 03-05-12
Misc : Soil 5mL w/IS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

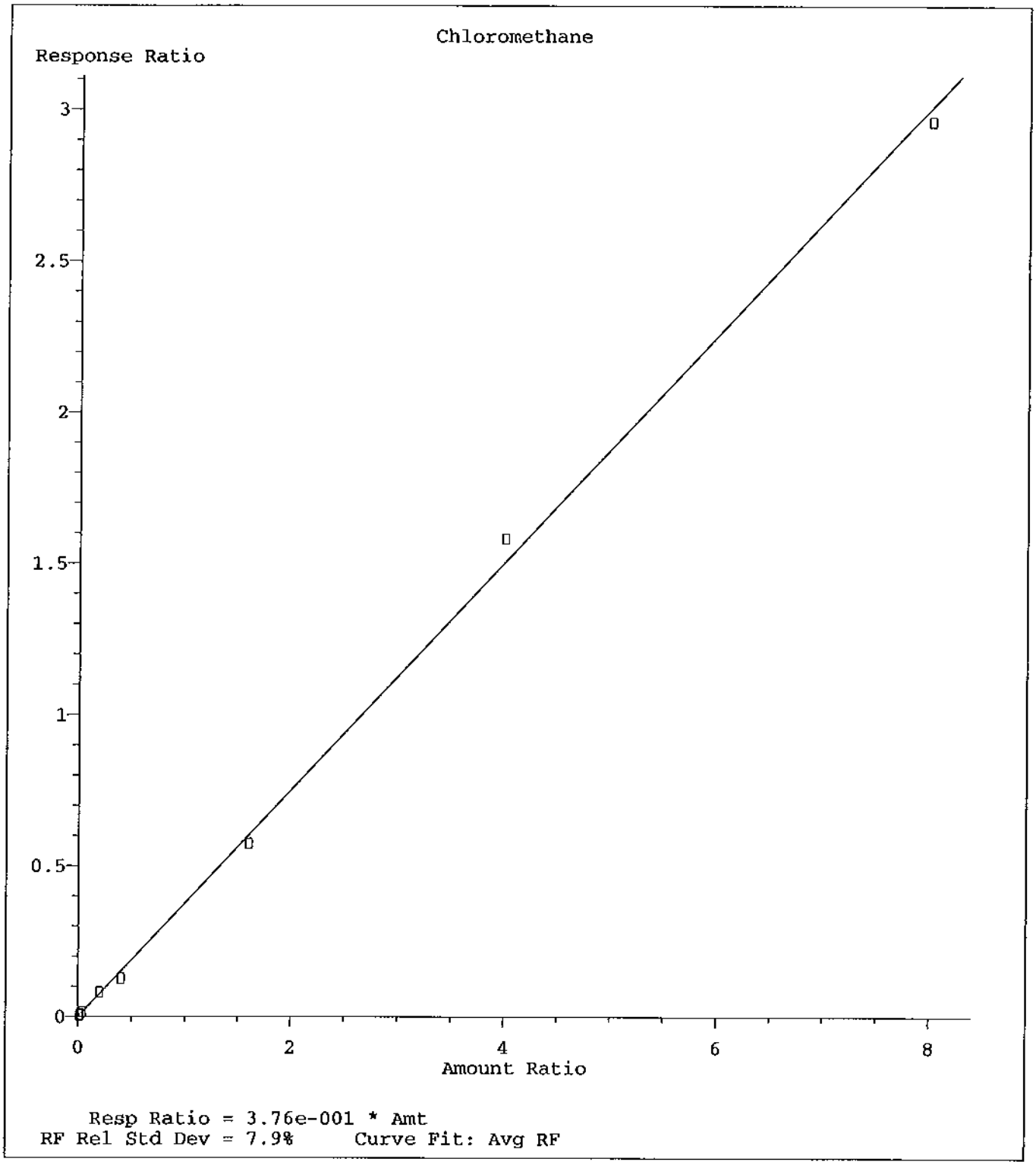
Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration

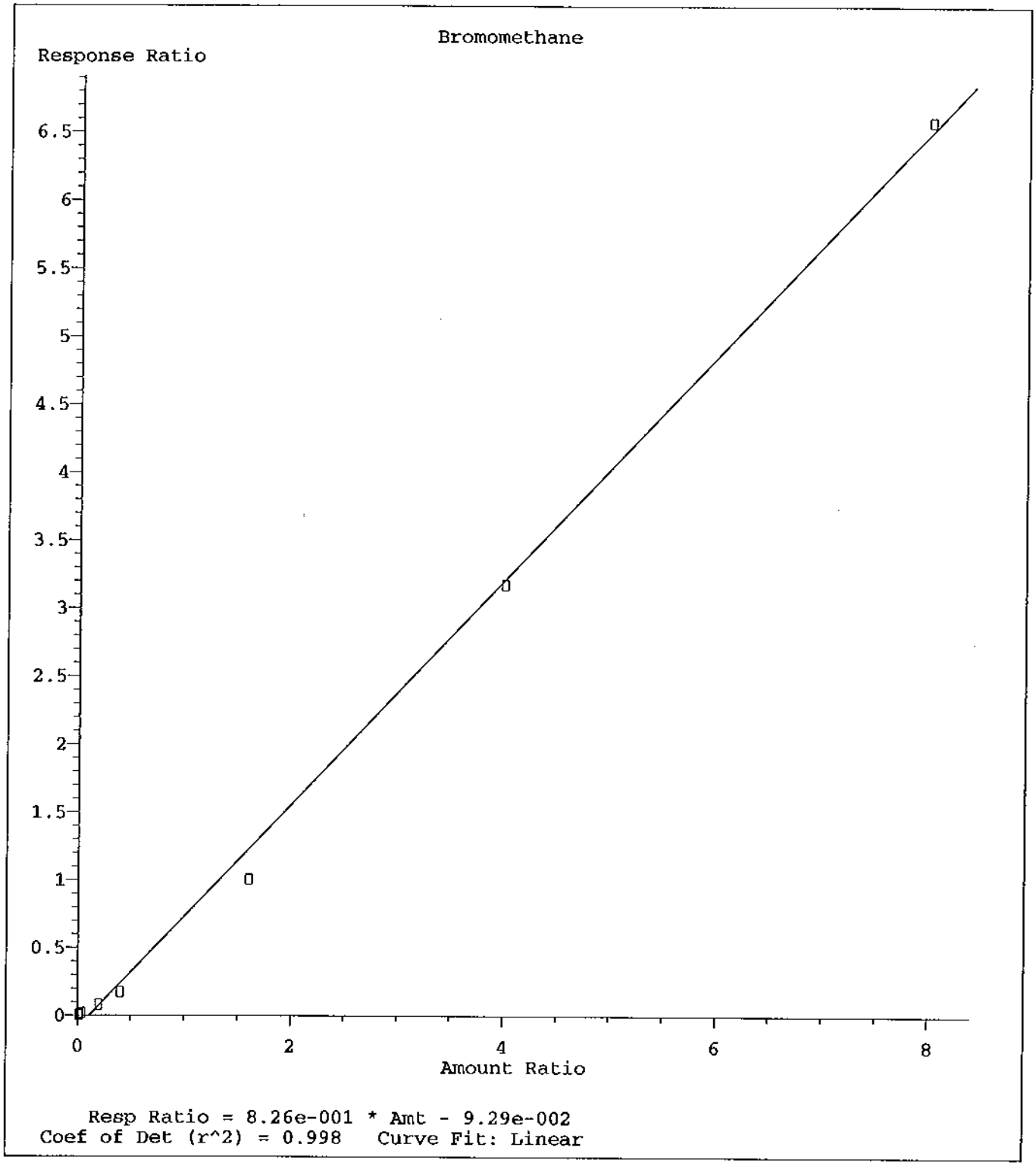




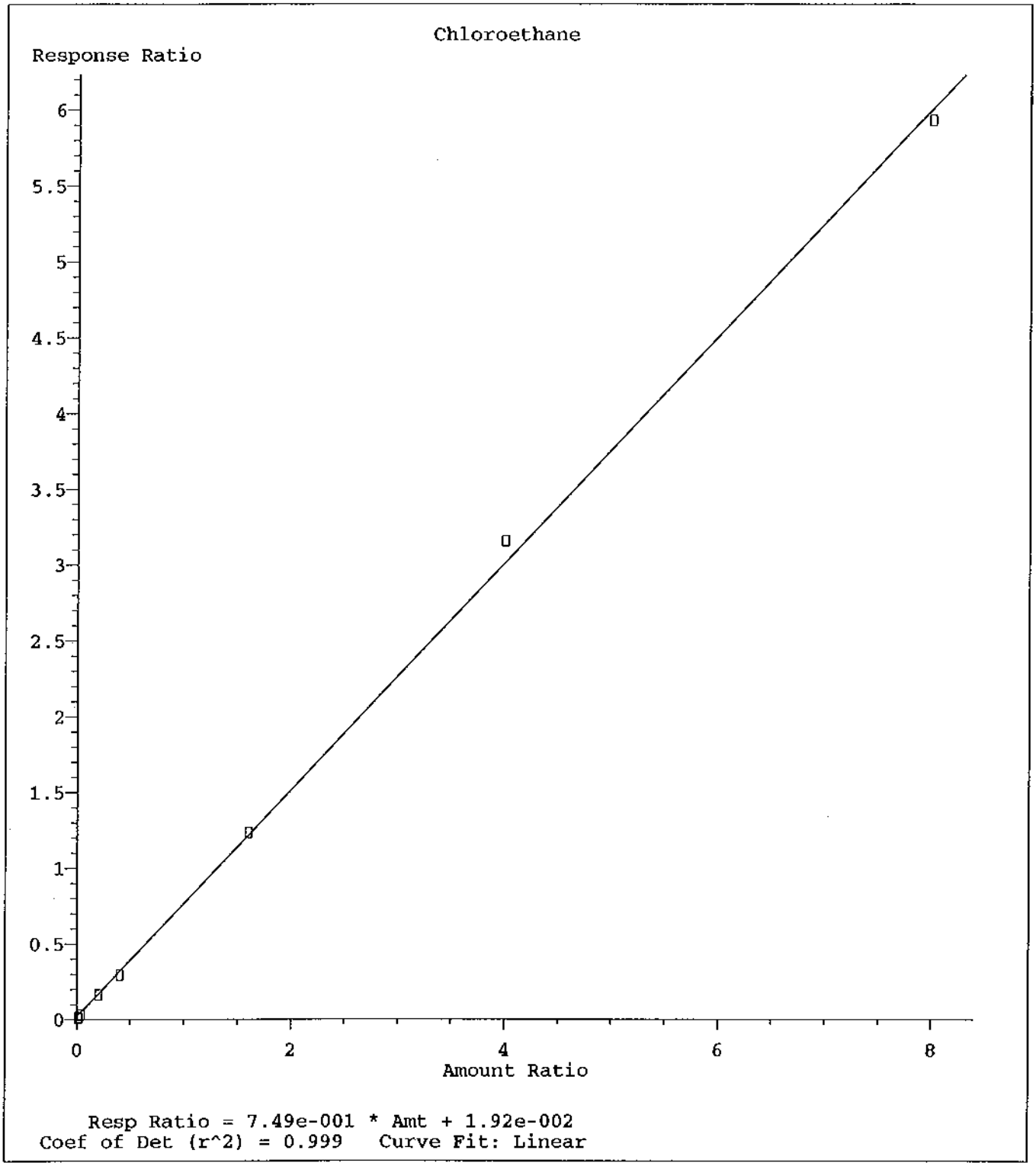
Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



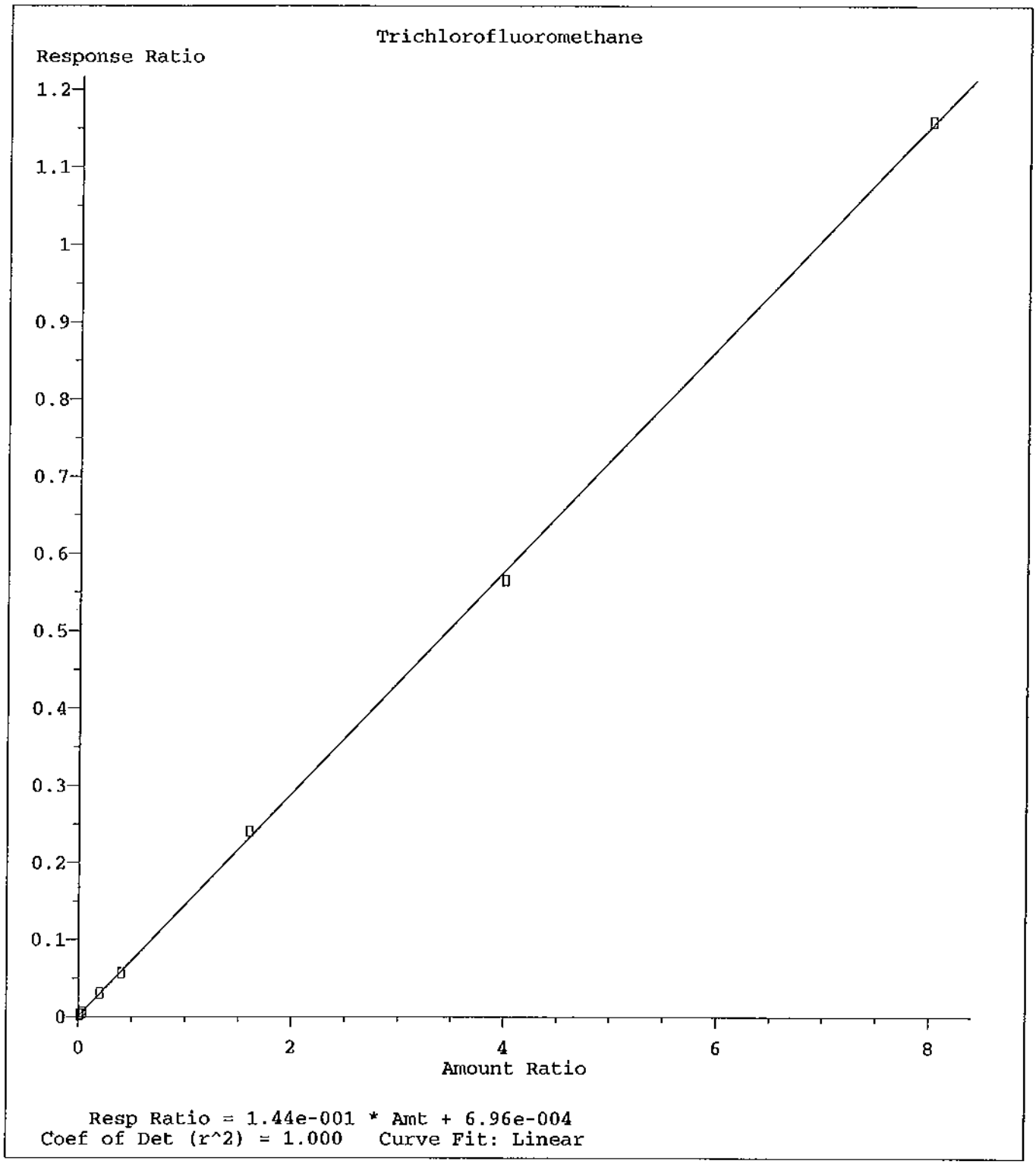
Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



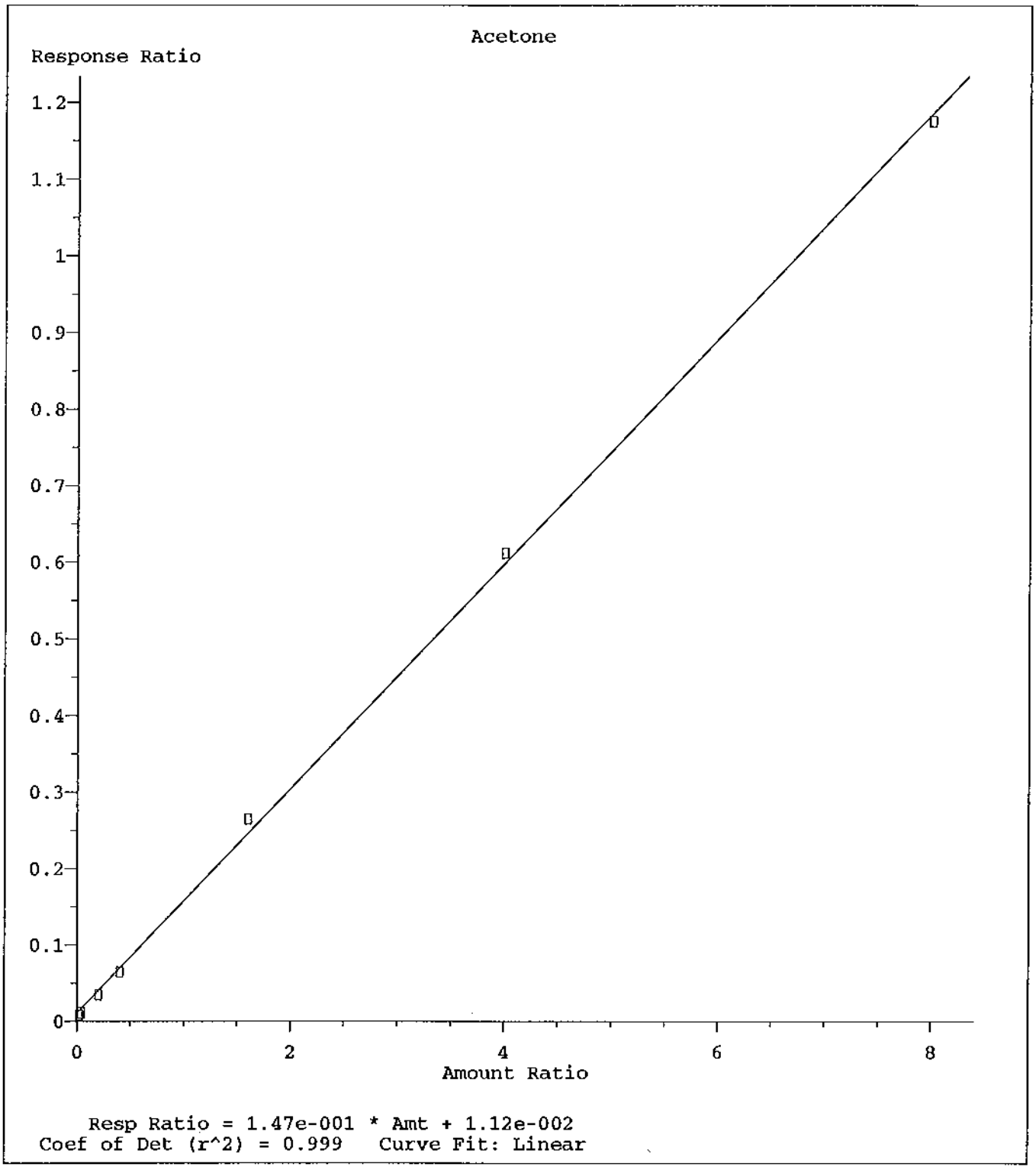
Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



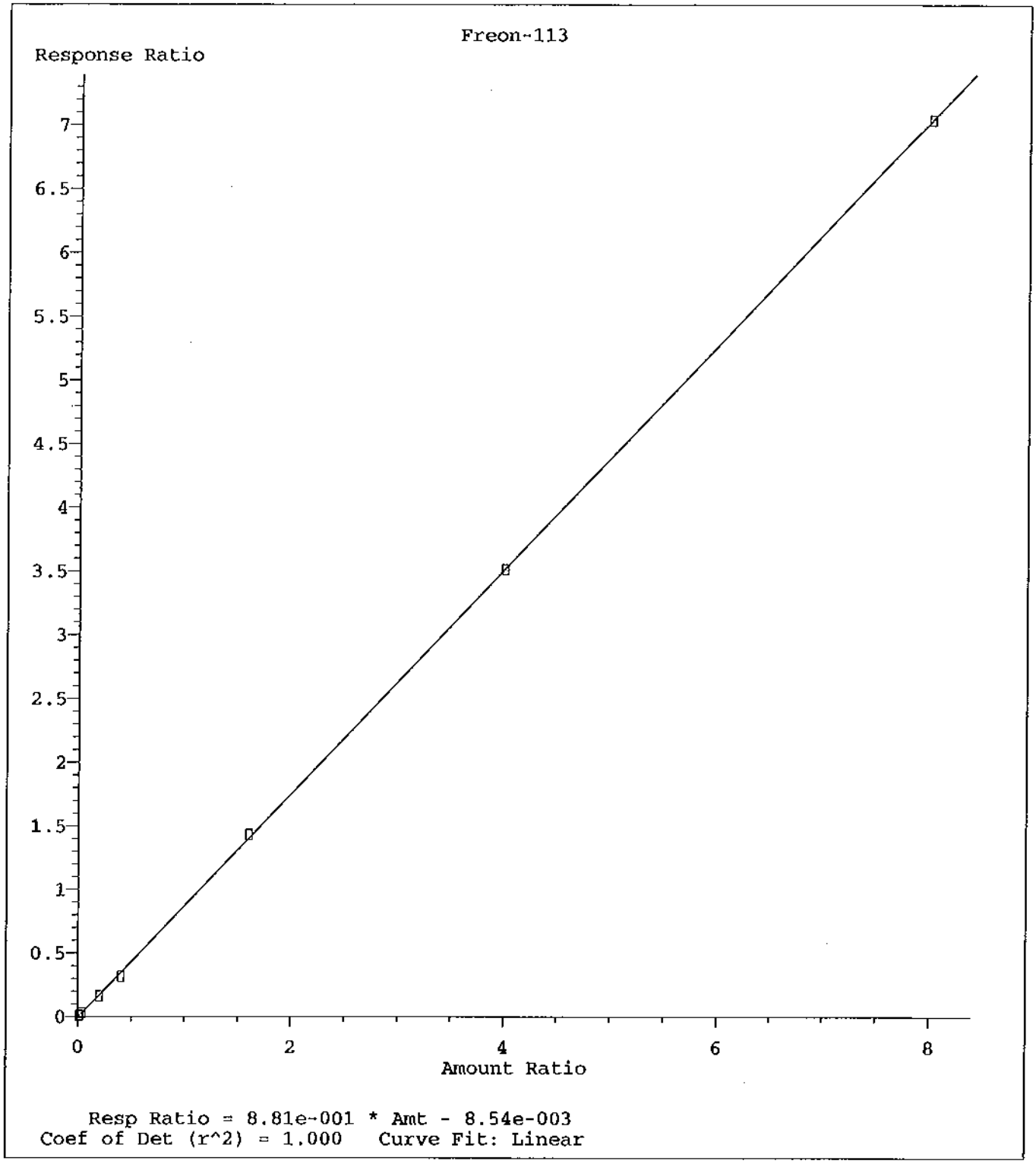
Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



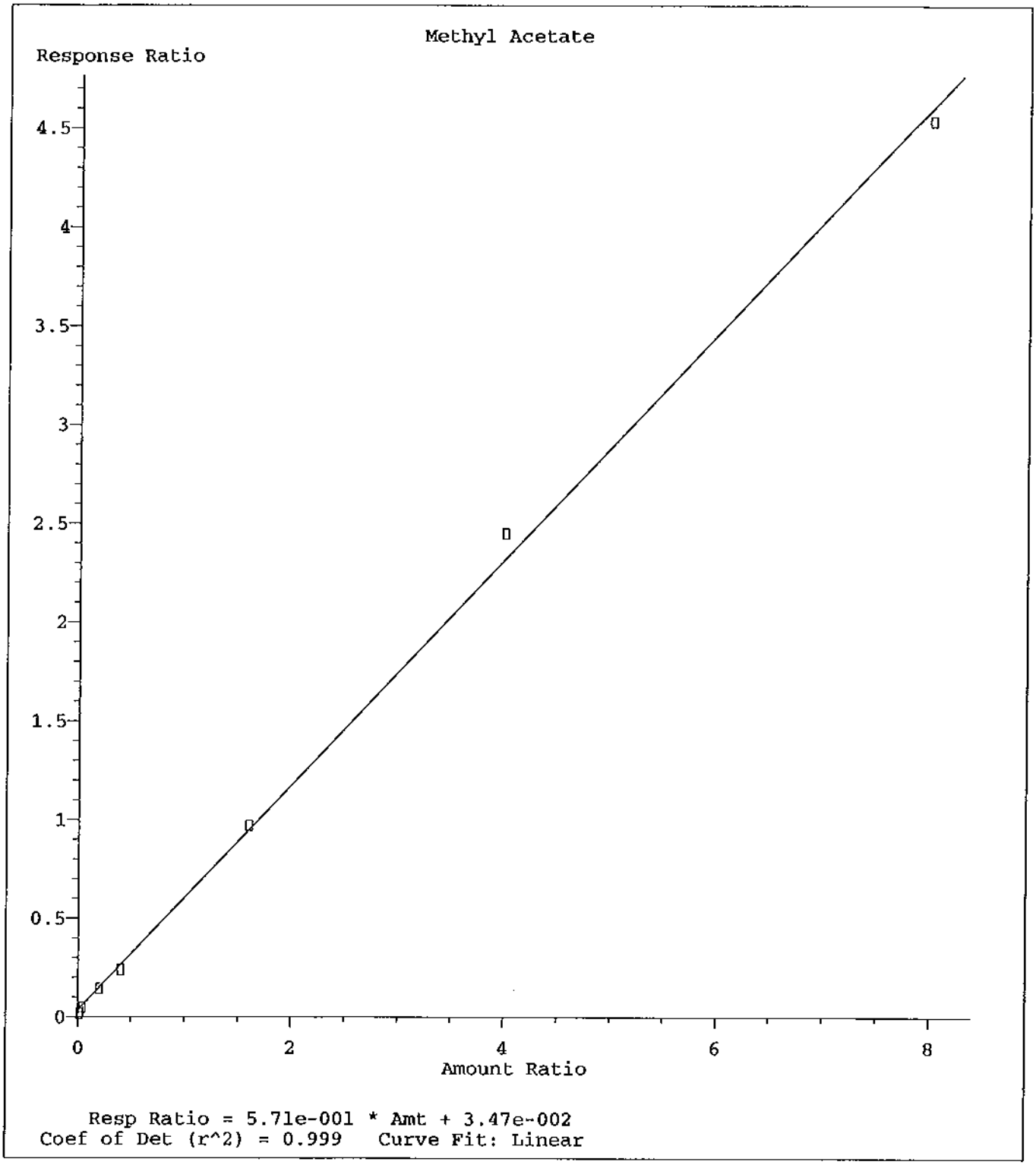
Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



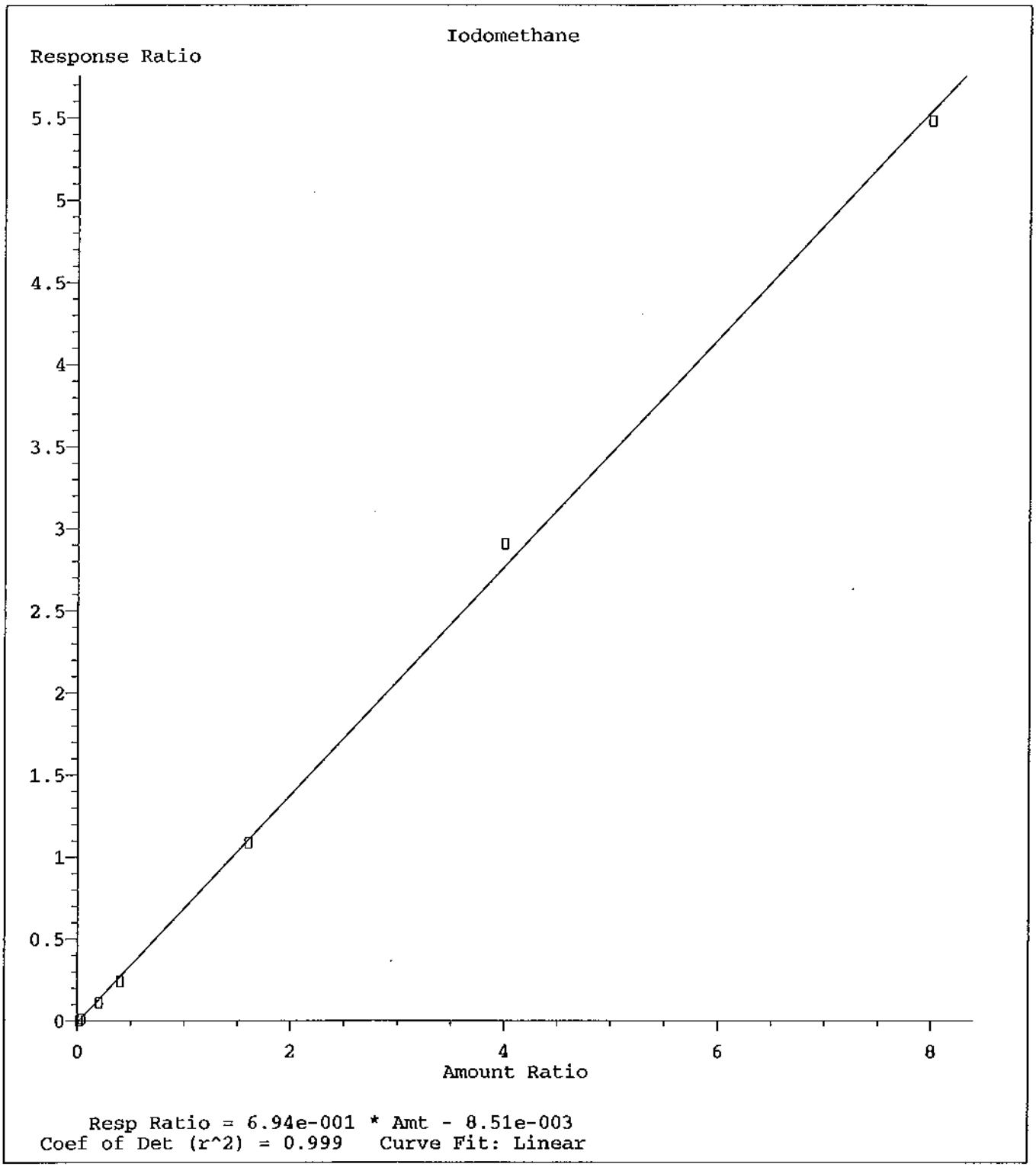
Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



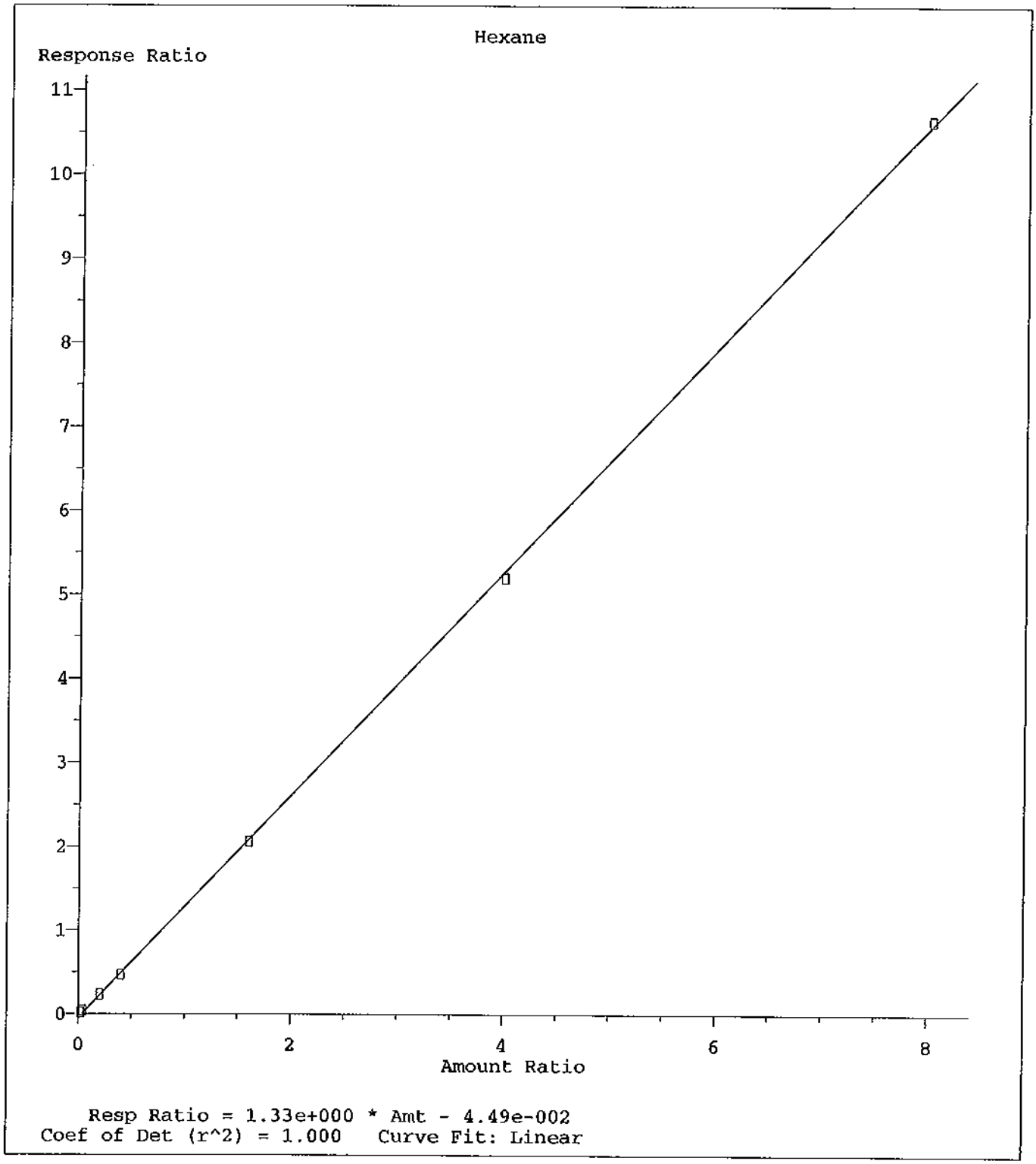
Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



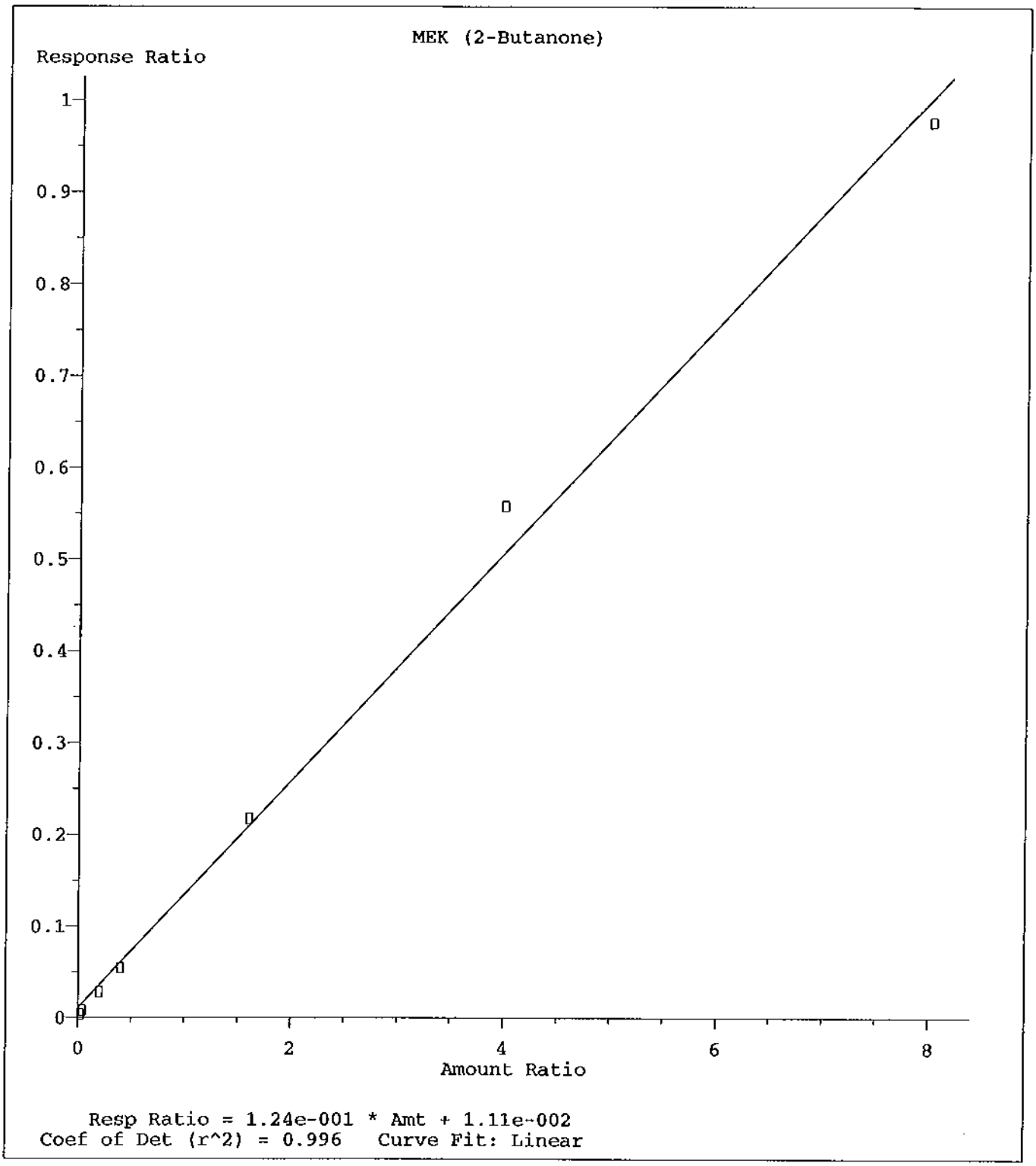
Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



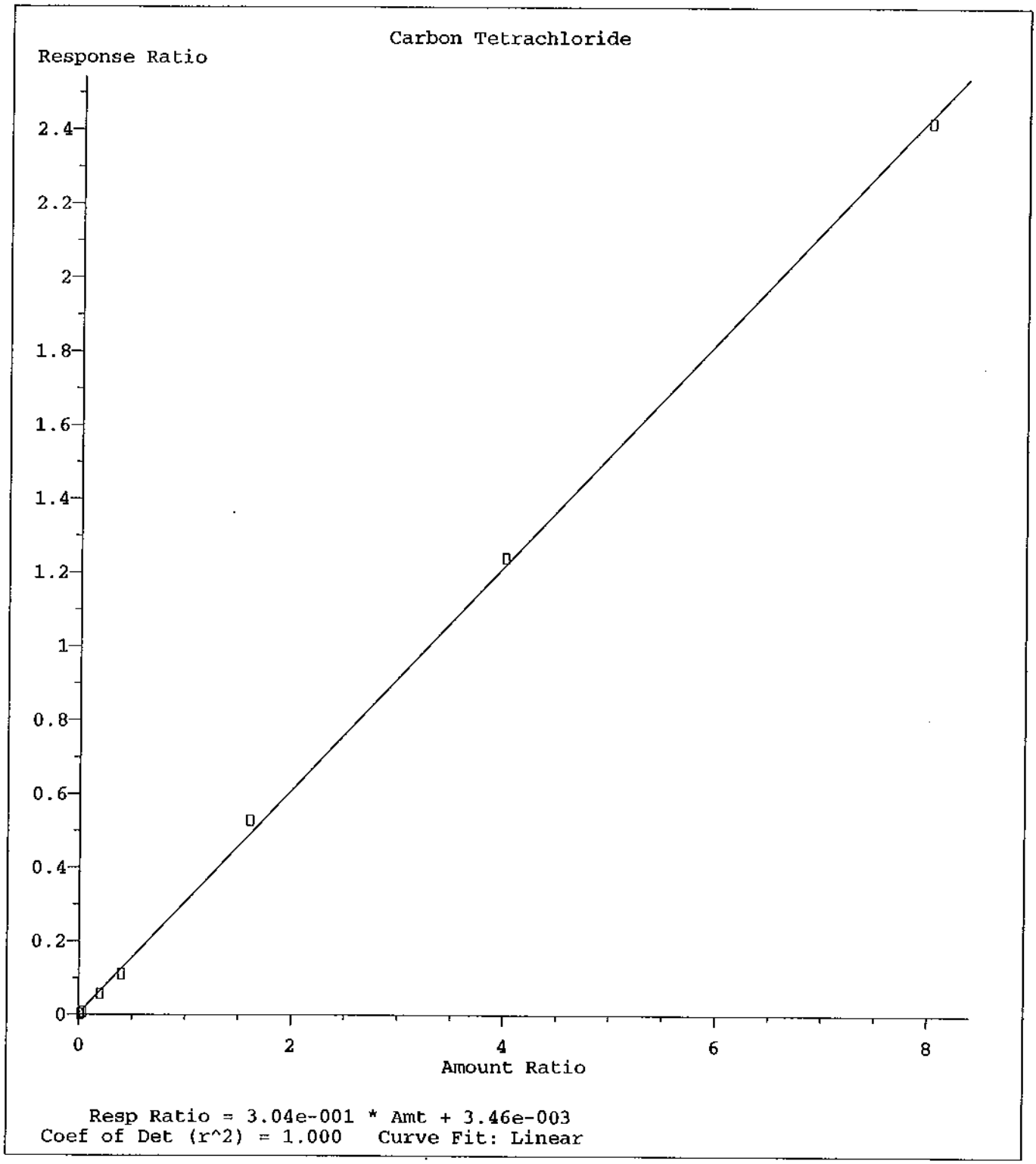
Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



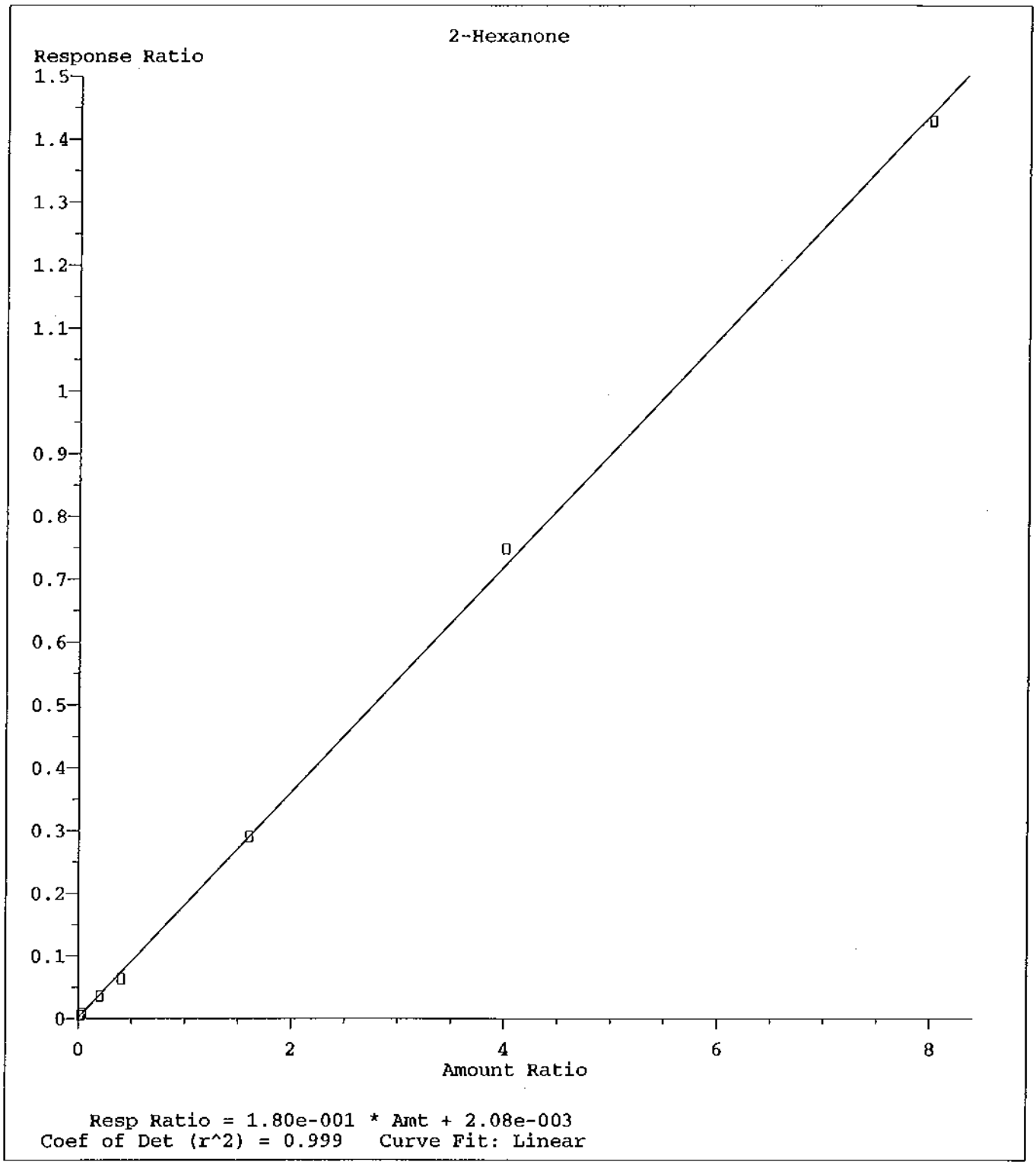
Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



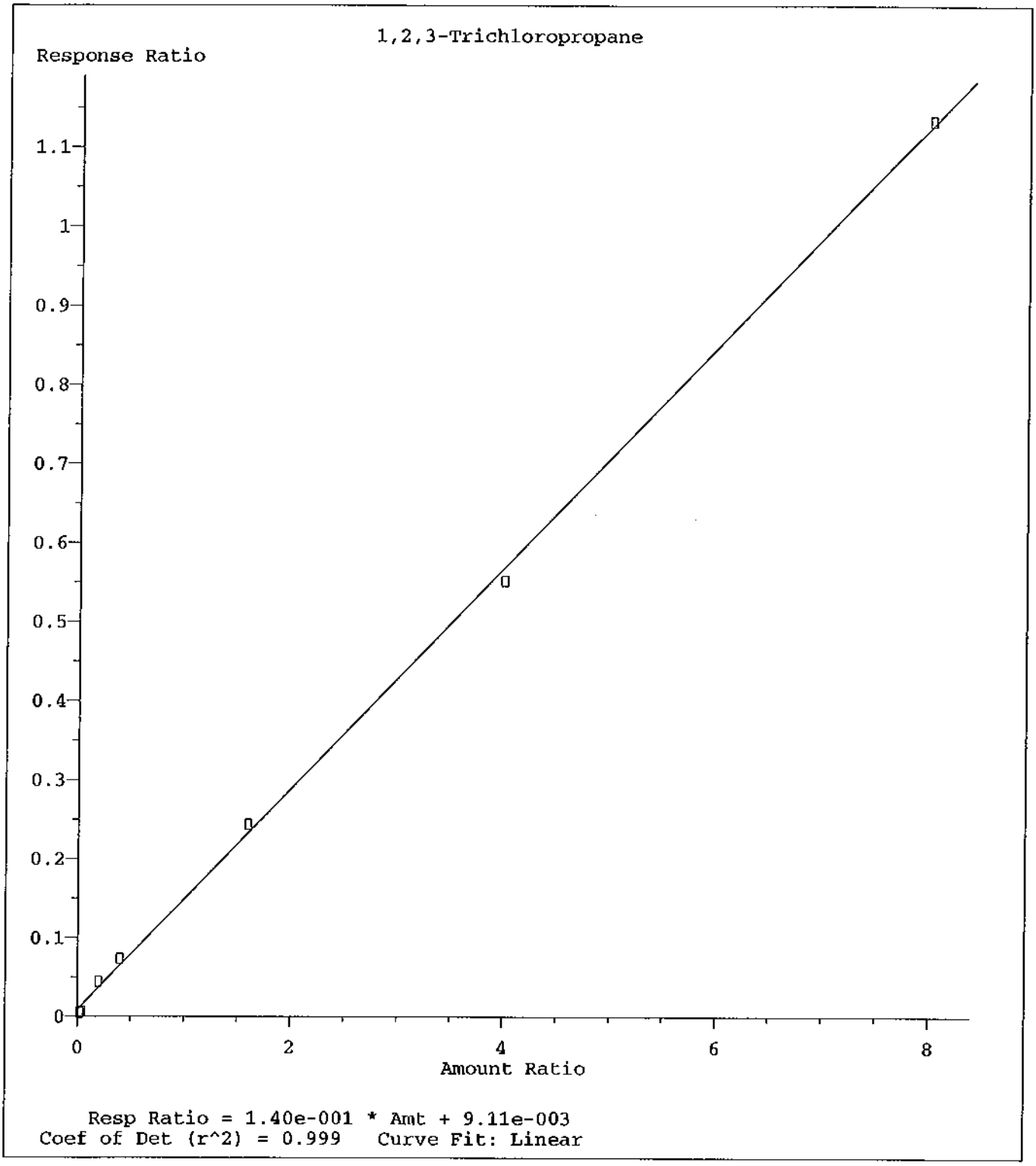
Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



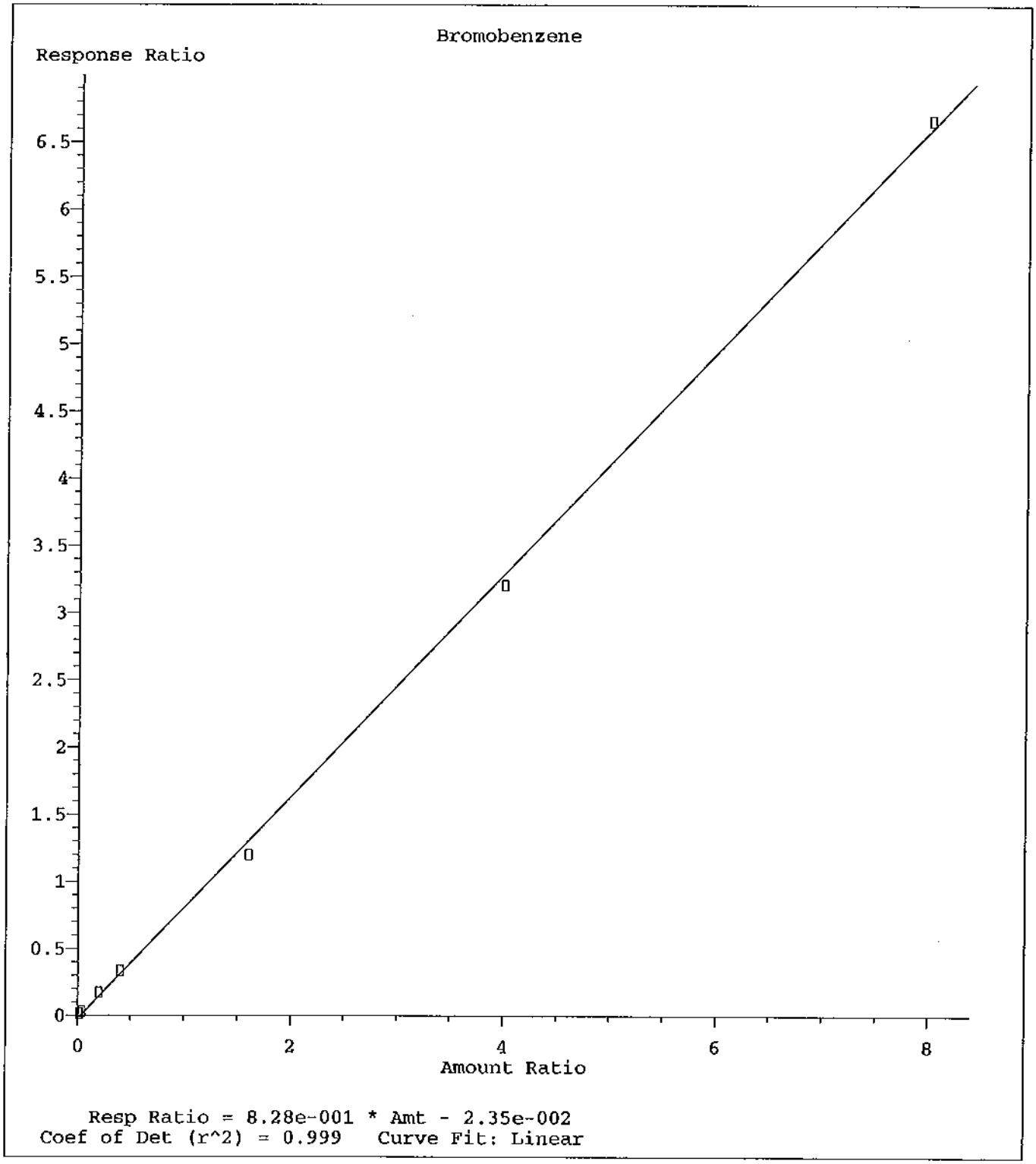
Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012



Method Name: M:\NEO\DATA\N120309\NALLW.M
Calibration Table Last Updated: Mon Mar 12 08:53:45 2012

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N16S.D Vial: 1
Acq On : 5 Mar 12 20:24 Operator: SV,DG,RS
Sample : 120305A LCS-1SN (ss) Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 9:32 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.29	96	321344	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.46	117	209408	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	87496	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.88	111	224234	36.01102 ppb		0.00
Spiked Amount 41.312			Recovery = 87.169%			
34) 1,2-DCA-D4(S)	12.67	65	245270	36.31417 ppb		0.00
Spiked Amount 41.649			Recovery = 87.192%			
52) Toluene-D8(S)	15.93	98	675554	37.32430 ppb		0.00
Spiked Amount 35.274			Recovery = 105.811%			
60) 4-Bromofluorobenzene(S)	20.53	95	230123	35.79651 ppb		0.00
Spiked Amount 35.584			Recovery = 100.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.54	85	335455	56.24657 ppb		87
3) Chloromethane	5.05	50	589631	56.38814 ppb		97
4) Vinyl chloride	5.29	62	126912	52.91497 ppb		100
5) Bromomethane	6.21	94	186170	53.74456 ppb		90
6) Chloroethane	6.42	64	248444	58.49311 ppb		93
7) Dichlorofluoromethane	6.51	67	766843	55.13758 ppb		98
8) Trichlorofluoromethane	7.05	101	340253	57.66144 ppb		100
9) Acrolein	7.67	56	175240	214.89046 ppb		94
10) Acetone	7.79	43	103272	47.43526 ppb		89
11) Freon-113	7.97	101	243228	54.86887 ppb		97
12) 1,1-DCE	8.19	96	245234	56.16417 ppb		92
14) Methyl Acetate	8.68	43	324525	44.85377 ppb		99
15) Iodomethane	8.69	142	203038	58.35031 ppb	#	93
16) Acrylonitrile	9.06	53	97677	45.05894 ppb		81
17) Methylene chloride	8.97	86	208087	52.30935 ppb		98
18) Carbon disulfide	9.08	76	983525	49.94762 ppb		96
19) Methyl t-butyl ether (MtBE	9.39	73	742651	47.14009 ppb		97
20) Trans-1,2-DCE	9.59	96	305791	53.90683 ppb		93
21) Diisopropyl Ether	10.22	45	1474089	50.78299 ppb		99
22) 1,1-DCA	10.27	63	658936	52.98238 ppb		99
23) Vinyl Acetate	10.22	43	1115657	48.52275 ppb		97
24) Ethyl tert Butyl Ether	10.91	59	1066830	49.92267 ppb		95
25) MEK (2-Butanone)	10.90	43	257024	49.24362 ppb		100
26) Cis-1,2-DCE	11.28	96	344420	53.99212 ppb		97
27) 2,2-Dichloropropane	11.27	77	454070	53.34357 ppb		100
28) Chloroform	11.56	83	568244	51.96064 ppb		97
29) Bromochloromethane	11.79	128	104068	46.78457 ppb		92
31) 1,1,1-TCA	12.30	97	459913	58.40539 ppb		93
32) Cyclohexane	12.46	56	515446	56.98736 ppb		97
33) 1,1-Dichloropropene	12.56	75	418844	55.46856 ppb		93
35) Carbon Tetrachloride	12.76	117	346583	57.80661 ppb		98
36) Tert Amyl Methyl Ether	12.79	73	816710	48.54221 ppb		96
37) 1,2-DCA	12.83	62	401913	49.20284 ppb		99
38) Benzene	12.96	78	1242802	51.67268 ppb		97
39) TCE	13.98	95	294836	53.45039 ppb		92
40) 2-Pentanone	13.63	43	1296770	224.28545 ppb		100
41) 1,2-Dichloropropane	14.20	63	373089	51.90957 ppb		100
42) Bromodichloromethane	14.55	83	435736	52.27935 ppb		97
43) Dibromomethane	14.61	93	191968	50.30598 ppb		97
44) Methyl Cyclohexane	14.27	83	389031	55.19992 ppb		92
45) 2-Chloroethyl vinyl ether	14.98	63	167288	47.52565 ppb		98

$\frac{126912 \times 50}{321344 \times 0.37} = 53.0$ MP 3/10/12

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N16S.D
Acq On : 5 Mar 12 20:24
Sample : 120305A LCS-1SN (ss)
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 9:32 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.32	63	411148	49.70315 ppb		100
47)	Cis-1,3-Dichloropropene	15.43	75	530236	51.04770 ppb		97
48)	Toluene	16.06	91	1205585	53.26409 ppb		99
49)	Trans-1,3-Dichloropropene	16.21	75	438758	50.50182 ppb		96
50)	1,1,2-TCA	16.50	83	205180	52.14894 ppb		92
53)	1,2-EDB	17.76	107	229023	48.70315 ppb	#	92
54)	Tetrachloroethene	17.22	129	187966	54.58323 ppb		93
55)	1-Chlorohexane	18.11	91	380392	53.82433 ppb		96
56)	1,1,1,2-Tetrachloroethane	18.58	131	242905	50.71719 ppb		96
57)	m&p-Xylene	18.77	106	867143	107.27563 ppb		98
58)	o-Xylene	19.52	106	418565	51.63688 ppb		93
59)	Styrene	19.53	78	432895	50.20864 ppb		93
61)	2-Hexanone	16.51	43	212617	42.45705 ppb		87
62)	1,3-Dichloropropane	16.91	76	422181	51.48649 ppb		99
63)	Dibromochloromethane	17.40	129	288454	52.16976 ppb		95
64)	Chlorobenzene	18.53	112	665282	50.54590 ppb		95
65)	Ethylbenzene	18.64	91	1281539	53.43677 ppb		96
66)	Bromoform	20.06	173	166539	49.68715 ppb		98
68)	MIBK (methyl isobutyl keto	15.08	43	321677	44.62852 ppb		98
69)	Isopropylbenzene	20.15	105	1069912	52.99259 ppb		98
70)	1,1,2,2-Tetrachloroethane	20.31	83	281012	47.18320 ppb		97
71)	1,2,3-Trichloropropane	20.56	110	61600	48.49258 ppb		97
72)	t-1,4-Dichloro-2-Butene	20.63	53	85409	46.47239 ppb		99
73)	Bromobenzene	20.90	156	243621	47.28890 ppb		91
74)	n-Propylbenzene	20.86	91	1444105	53.64680 ppb		98
75)	2-Chlorotoluene	21.15	91	986065	53.58438 ppb		99
76)	1,3,5-Trimethylbenzene	21.13	105	902568	54.09371 ppb		99
77)	4-Chlorotoluene	21.23	91	737425	45.45423 ppb		97
78)	Tert-Butylbenzene	21.78	119	808680	51.86856 ppb		98
79)	1,2,4-Trimethylbenzene	21.84	105	847006	49.73673 ppb		98
80)	Sec-Butylbenzene	22.18	105	1160049	53.48817 ppb		97
81)	p-Isopropyltoluene	22.39	119	825975	49.44794 ppb		100
82)	Benzyl Chloride	22.83	91	376690	39.02749 ppb		96
83)	1,3-DCB	22.54	146	420416	47.85082 ppb		96
84)	1,4-DCB	22.71	146	410437	46.19495 ppb		98
85)	n-Butylbenzene	23.09	91	897160	50.83819 ppb		98
86)	1,2-DCB	23.33	146	395545	49.13930 ppb		100
87)	1,2-Dibromo-3-chloropropan	24.53	155	35921	51.55985 ppb		75
88)	1,2,4-Trichlorobenzene	25.97	180	228769	43.48270 ppb		98
89)	Hexachlorobutadiene	26.21	225	170824	54.27756 ppb		91
90)	Naphthalene	26.31	128	501145	46.67934 ppb		100
91)	1,2,3-Trichlorobenzene	26.69	180	224049	52.24692 ppb		96

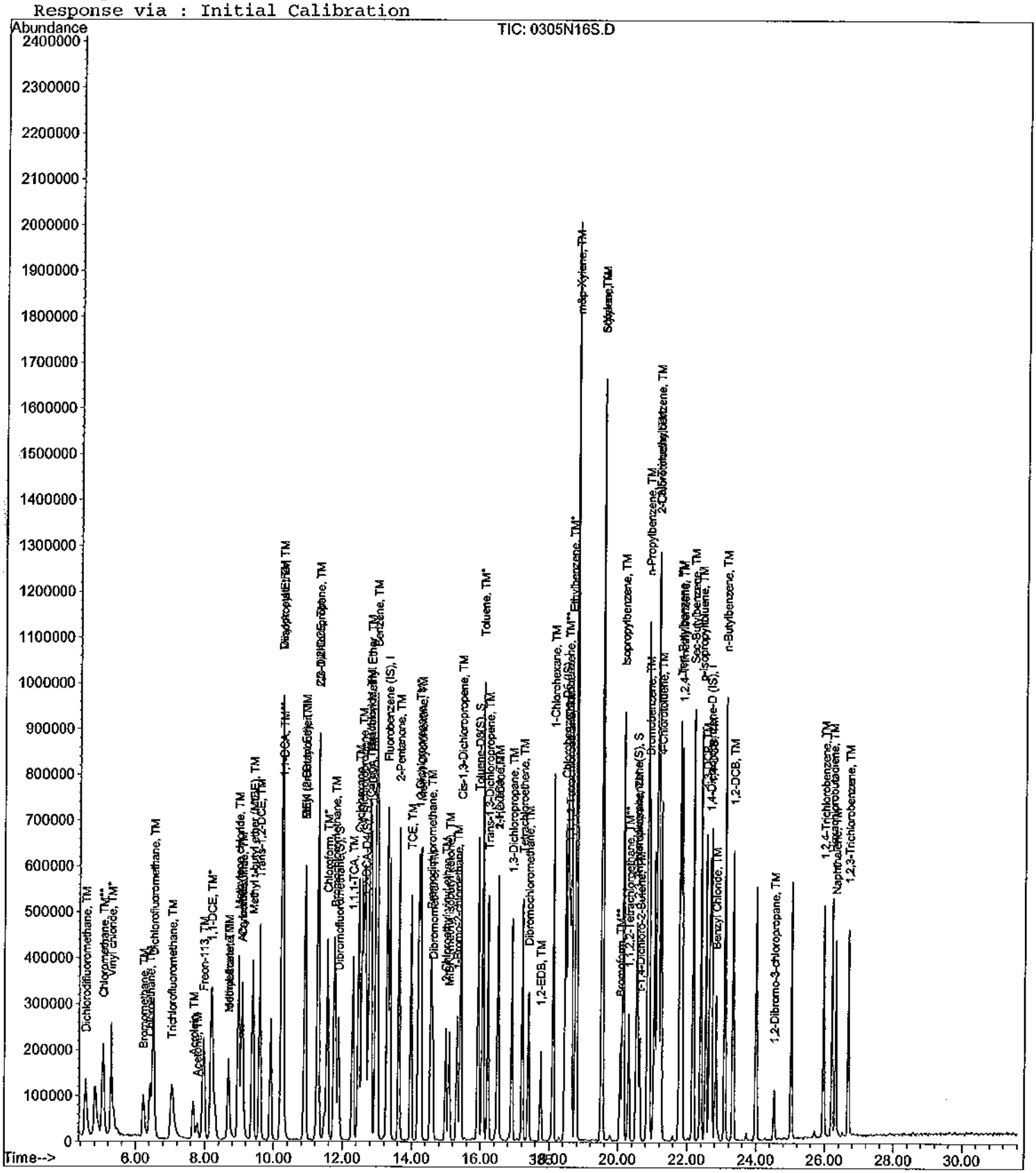
Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N16S.D
Acq On : 5 Mar 12 20:24
Sample : 120305A LCS-1SN (ss)
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 9:32 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N14S.D
Acq On : 5 Mar 12 19:08
Sample : 50ug/kg Vol Std 03-05-12
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 9:20 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:19:39 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.29	96	297344	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.47	117	206720	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.66	152	81512	50.00000 ppb		0.01
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.88	111	211479	36.70390 ppb		0.00
Spiked Amount 41.312			Recovery = 88.847%			
34) 1,2-DCA-D4(S)	12.68	65	233251	37.32211 ppb		0.00
Spiked Amount 41.649			Recovery = 89.612%			
52) Toluene-D8(S)	15.94	98	641414	35.89887 ppb		0.00
Spiked Amount 35.274			Recovery = 101.771%			
60) 4-Bromofluorobenzene(S)	20.53	95	241816	38.14667 ppb		0.00
Spiked Amount 35.584			Recovery = 107.204%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.54	85	309898	56.15593 ppb		87
3) Chloromethane	5.04	50	541407	55.93229 ppb		94
4) Vinyl chloride	5.29	62	126560	57.02737 ppb		97
5) Bromomethane	6.23	94	157075	49.17286 ppb		97
6) Chloroethane	6.42	64	220988	56.22756 ppb		96
7) Dichlorofluoromethane	6.51	67	690320	53.64172 ppb		99
8) Trichlorofluoromethane	7.04	101	323841	59.30296 ppb		90
9) Acrolein	7.67	56	173280	229.63779 ppb		98
10) Acetone	7.79	43	99077	49.63087 ppb		100
11) Freon-113	7.97	101	213826	52.21340 ppb		92
12) 1,1-DCE	8.19	96	217541	53.84319 ppb		100
14) Methyl Acetate	8.68	43	303132	45.38328 ppb		95
15) Iodomethane	8.68	142	173539	53.97285 ppb		93
16) Acrylonitrile	9.06	53	95988	47.85382 ppb		100
17) Methylene chloride	8.98	86	192407	52.27106 ppb		94
18) Carbon disulfide	9.09	76	905872	49.71727 ppb		94
19) Methyl t-butyl ether (MtBE	9.39	73	690420	47.36200 ppb		97
20) Trans-1,2-DCE	9.59	96	272807	51.97394 ppb		91
21) Diisopropyl Ether	10.22	45	1304007	48.54959 ppb		99
22) 1,1-DCA	10.27	63	585546	50.88154 ppb		99
23) Vinyl Acetate	10.23	43	1038862	48.82965 ppb		98
24) Ethyl tert Butyl Ether	10.91	59	950630	48.07565 ppb		100
25) MEK (2-Butanone)	10.89	43	229638	47.41261 ppb	#	88
26) Cis-1,2-DCE	11.28	96	302224	51.20142 ppb		97
27) 2,2-Dichloropropane	11.28	77	403175	51.18750 ppb		95
28) Chloroform	11.56	83	494371	48.85440 ppb		100
29) Bromochloromethane	11.79	128	102888	49.98748 ppb		94
31) 1,1,1-TCA	12.30	97	391858	53.77953 ppb		95
32) Cyclohexane	12.46	56	449523	53.71039 ppb		99
33) 1,1-Dichloropropene	12.56	75	373010	53.38584 ppb		97
35) Carbon Tetrachloride	12.76	117	305489	57.42247 ppb		98
36) Tert Amyl Methyl Ether	12.79	73	765918	49.19772 ppb		98
37) 1,2-DCA	12.83	62	372713	49.31099 ppb		98
38) Benzene	12.96	78	1116456	50.16626 ppb		96
39) TCE	13.98	95	265435	52.00434 ppb		94
40) 2-Pentanone	13.63	43	1280399	239.32853 ppb		99
41) 1,2-Dichloropropane	14.21	63	333114	50.08860 ppb		99
42) Bromodichloromethane	14.55	83	383448	49.71921 ppb		99
43) Dibromomethane	14.62	93	167734	47.50320 ppb		96
44) Methyl Cyclohexane	14.26	83	359552	55.13670 ppb		89
45) 2-Chloroethyl vinyl ether	14.98	63	162674	49.94505 ppb		95

(#) = qualifier out of range (m) = manual integration
0305N14S.D NALLS.M Fri Mar 09 10:08:32 2012

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N14S.D Vial: 1
Acq On : 5 Mar 12 19:08 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 9:20 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:19:39 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.32	63	375229	49.02224 ppb		97
47)	Cis-1,3-Dichloropropene	15.43	75	471465	49.05321 ppb		96
48)	Toluene	16.07	91	1118543	53.40727 ppb		96
49)	Trans-1,3-Dichloropropene	16.22	75	396003	49.25966 ppb		97
50)	1,1,2-TCA	16.50	83	183305	50.34957 ppb		98
53)	1,2-EDB	17.76	107	215600	46.44484 ppb	#	91
54)	Tetrachloroethene	17.22	129	163331	48.04623 ppb		98
55)	1-Chlorohexane	18.11	91	352290	50.49616 ppb		96
56)	1,1,1,2-Tetrachloroethane	18.59	131	228867	48.40750 ppb		87
57)	m&p-Xylene	18.77	106	809260	101.41663 ppb		99
58)	o-Xylene	19.52	106	404123	50.50350 ppb		94
59)	Styrene	19.54	78	427062	50.17618 ppb		96
61)	2-Hexanone	16.52	43	217171	43.93033 ppb		94
62)	1,3-Dichloropropane	16.91	76	376540	46.51752 ppb		95
63)	Dibromochloromethane	17.39	129	259926	47.62146 ppb		99
64)	Chlorobenzene	18.53	112	642119	49.42042 ppb		98
65)	Ethylbenzene	18.63	91	1221035	51.57596 ppb		96
66)	Bromoform	20.07	173	163300	49.35431 ppb		94
68)	MIBK (methyl isobutyl keto	15.09	43	313917	46.74918 ppb		96
69)	Isopropylbenzene	20.15	105	1021182	54.29213 ppb		99
70)	1,1,2,2-Tetrachloroethane	20.31	83	273670	49.32378 ppb		95
71)	1,2,3-Trichloropropane	20.56	110	58806	49.70088 ppb		81
72)	t-1,4-Dichloro-2-Butene	20.63	53	84570	49.39402 ppb		91
73)	Bromobenzene	20.90	156	245181	51.08554 ppb		91
74)	n-Propylbenzene	20.86	91	1337504	53.33433 ppb		100
75)	2-Chlorotoluene	21.16	91	890930	51.96882 ppb		95
76)	1,3,5-Trimethylbenzene	21.13	105	805914	51.84683 ppb		100
77)	4-Chlorotoluene	21.24	91	744504	49.25951 ppb		96
78)	Tert-Butylbenzene	21.78	119	782210	53.85394 ppb		97
79)	1,2,4-Trimethylbenzene	21.84	105	836613	52.73294 ppb		97
80)	Sec-Butylbenzene	22.18	105	1108668	54.87184 ppb		99
81)	p-Isopropyltoluene	22.39	119	836445	53.75085 ppb		97
82)	Benzyl Chloride	22.83	91	401113	44.60874 ppb		96
83)	1,3-DCB	22.54	146	417245	50.97626 ppb		95
84)	1,4-DCB	22.71	146	388005	46.87616 ppb		98
85)	n-Butylbenzene	23.09	91	885526	53.86271 ppb		100
86)	1,2-DCB	23.33	146	383200	51.10051 ppb		96
87)	1,2-Dibromo-3-chloropropan	24.54	155	35327	54.42978 ppb		83
88)	1,2,4-Trichlorobenzene	25.97	180	237319	48.41930 ppb		97
89)	Hexachlorobutadiene	26.21	225	162398	55.38839 ppb		90
90)	Naphthalene	26.32	128	495426	49.53438 ppb		97
91)	1,2,3-Trichlorobenzene	26.68	180	216798	54.32051 ppb		98

(#) = qualifier out of range (m) = manual integration
0305N14S.D NALLS.M Fri Mar 09 10:08:32 2012 Page 2

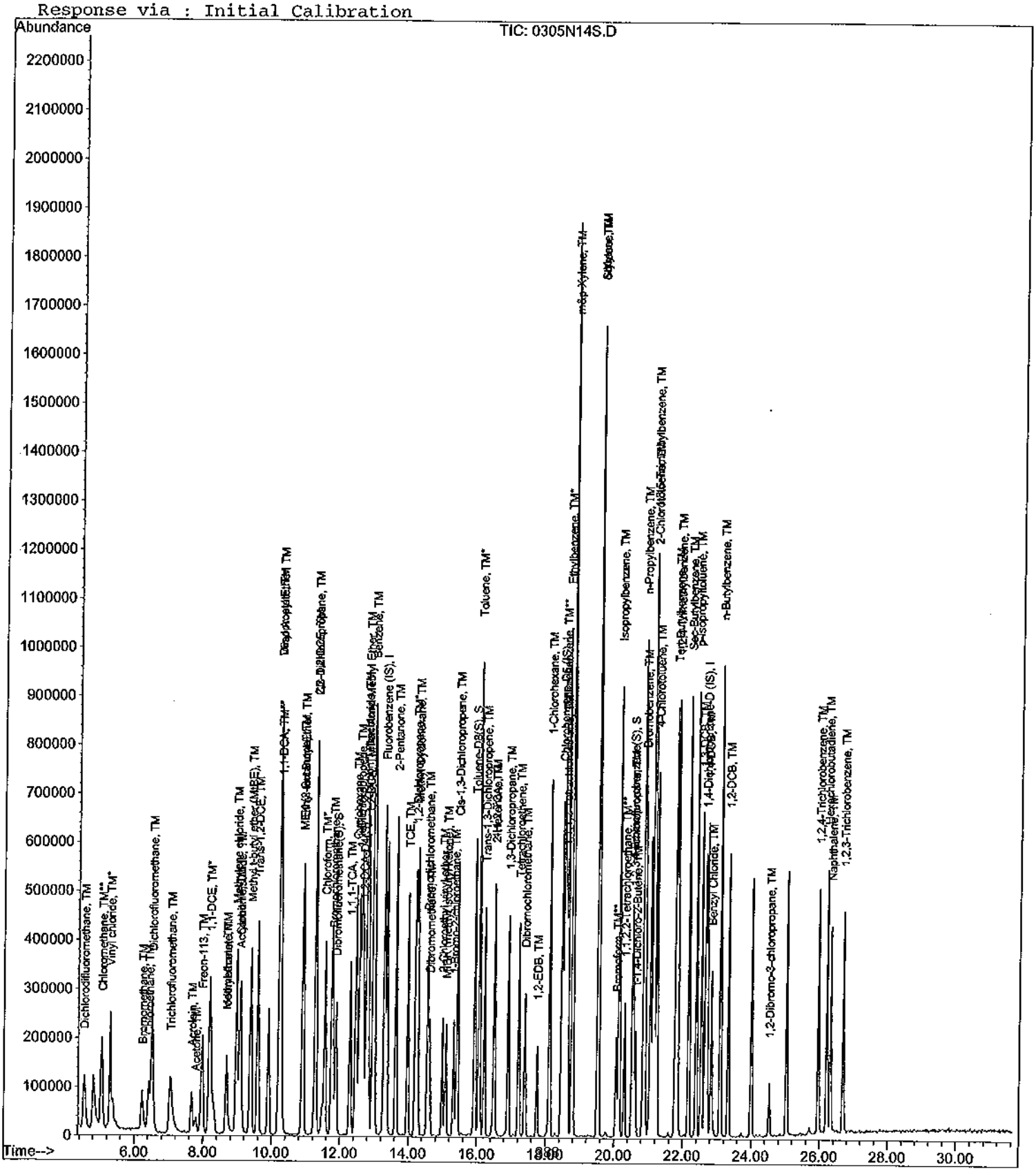
Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N14S.D
Acq On : 5 Mar 12 19:08
Sample : 50ug/kg Vol Std 03-05-12
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 9:20 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T03S.D Vial: 3
Acq On : 7 Mar 12 9:51 Operator: DG,RS,HW,ARS,SV
Sample : 2.0ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:04:54 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.75	96	410112	50.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	9.89	117	327872	50.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	12.21	152	172096	50.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	5.97	111	5814	2.29198 ppb		0.00
Spiked Amount 74.267			Recovery = 3.086%			
36) 1,2-DCA-D4(S)	6.35	65	7431	2.55692 ppb		0.00
Spiked Amount 65.341			Recovery = 3.913%			
56) Toluene-D8(S)	8.45	98	20005	2.43510 ppb		0.00
Spiked Amount 83.313			Recovery = 2.923%			
64) 4-Bromofluorobenzene(S)	11.06	95	10795	5.06210 ppb		0.00
Spiked Amount 77.736			Recovery = 6.512%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.30	85	3432	2.23808 ppb		96
3) Freon 114	1.42	85	2470	1.65856 ppb		89
4) Chloromethane	1.46	50	5901	2.18965 ppb		93
5) Vinyl chloride	1.57	62	4165	2.36401 ppb		92
6) Bromomethane	1.88	96	4248	2.13950 ppb		99
7) Chloroethane	1.98	49	582	2.34796 ppb	#	88
8) Dichlorofluoromethane	2.20	67	8943	2.08825 ppb		95
9) Trichlorofluoromethane	2.26	101	5767	2.06431 ppb		96
10) Acrolein	2.72	56	7230	55.38354 ppb		100
11) Acetone	2.92	43	5951	0.86479 ppb		98
12) Freon-113	2.87	101	3517	2.03828 ppb		78
13) 1,1-DCE	2.84	96	3560	2.08331 ppb		97
14) t-Butanol	3.77	59	12294	58.01813 ppb		98
15) Methyl Acetate	3.38	43	9136	-0.38089 ppb		96
16) Iodomethane	3.00	142	4700	1.62187 ppb		99
17) Acrylonitrile	3.85	53	1913	2.48029 ppb		77
18) Methylene chloride	3.48	84	8620	2.03139 ppb		89
19) Carbon disulfide	3.07	76	15003	2.40870 ppb		99
20) Methyl t-butyl ether (MtBE	3.96	73	12902	2.04214 ppb		97
21) Trans-1,2-DCE	3.89	96	4980	2.23463 ppb		87
22) Diisopropyl Ether	4.75	45	14888	2.07949 ppb		95
23) 1,1-DCA	4.53	63	7861	2.00306 ppb		96
24) Vinyl Acetate	4.75	87	3779	1.90980 ppb	#	72
25) Ethyl tert Butyl Ether	5.25	59	12395	2.05102 ppb		95
26) MEK (2-Butanone)	5.43	43	2688	1.82352 ppb		86
27) Cis-1,2-DCE	5.35	96	6037	2.17622 ppb		94
28) 2,2-Dichloropropane	5.34	77	5854	2.16903 ppb		99
29) Chloroform	5.78	83	9402	2.17339 ppb		84
30) Bromochloromethane	5.65	128	2880	1.99950 ppb		79
32) 1,1,1-TCA	5.98	97	5226	1.84067 ppb		90
33) Cyclohexane	6.05	41	3279	2.25842 ppb		74
34) 1,1-Dichloropropene	6.19	75	4701	1.95247 ppb		91
35) 2,2,4-Trimethylpentane	6.56	57	9539	5.68802 ppb		89
37) Carbon Tetrachloride	6.18	117	5183	2.11962 ppb		88
38) Tert Amyl Methyl Ether	6.62	73	11195	1.93800 ppb	#	91
39) 1,2-DCA	6.44	62	7306	2.10702 ppb		99
40) Benzene	6.42	78	19662	2.12711 ppb		97
41) TCE	7.16	95	6089	2.49052 ppb		87
42) 2-Pentanone	7.39	43	76599	52.33401 ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T03S.D Vial: 3
Acq On : 7 Mar 12 9:51 Operator: DG,RS,HW,ARS,SV
Sample : 2.0ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:04:54 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	7.39	63	5663	2.11836 ppb		96
44)	Bromodichloromethane	7.69	83	6789	2.04255 ppb		94
45)	Methyl Cyclohexane	7.38	83	4720	1.76847 ppb		96
46)	Dibromomethane	7.51	93	3276	2.02154 ppb		86
48)	MIBK (methyl isobutyl ket	9.20	43	2473	2.16666 ppb	#	84
49)	1-Bromo-2-chloroethane	8.01	63	4074	2.07170 ppb		92
50)	Cis-1,3-Dichloropropene	8.17	75	7189	2.00733 ppb		97
51)	Toluene	8.51	91	12840	2.07464 ppb		89
52)	Trans-1,3-Dichloropropene	8.74	75	6036	1.95234 ppb		93
53)	1,1,2-TCA	8.92	83	4453	2.24563 ppb		84
54)	2-Hexanone	9.20	43	2473	2.16666 ppb	#	87
57)	1,2-EDB	9.41	107	4131	1.88530 ppb	#	76
58)	Tetrachloroethene	9.07	164	4347	2.19437 ppb		85
59)	1-Chlorohexane	9.91	91	5311	2.15060 ppb	#	75
60)	1,1,1,2-Tetrachloroethane	10.00	131	4781	1.92549 ppb		90
61)	m&p-Xylene	10.16	106	14572	3.66081 ppb		98
62)	o-Xylene	10.55	106	7291	1.82331 ppb		90
63)	Styrene	10.56	104	11900	4.28494 ppb		98
65)	1,3-Dichloropropane	9.08	76	7683	2.05953 ppb		97
66)	Dibromochloromethane	9.31	129	4947	1.95872 ppb		99
67)	Chlorobenzene	9.92	112	16148	2.20102 ppb		99
68)	Ethylbenzene	10.04	91	20071	1.93070 ppb		99
69)	Bromoform	10.73	173	3298	1.91666 ppb		91
71)	Isopropylbenzene	10.93	105	15521	1.90580 ppb		100
72)	1,1,2,2-Tetrachloroethane	11.20	83	5913	2.26635 ppb		87
73)	1,2,3-Trichloropropane	11.24	110	1714	2.25822 ppb	#	74
74)	t-1,4-Dichloro-2-Butene	11.27	53	1099	2.01152 ppb	#	83
75)	Bromobenzene	11.21	156	6735	2.15343 ppb		98
76)	n-Propylbenzene	11.33	91	20895	1.95507 ppb		99
77)	4-Ethyltoluene	11.45	105	12070	1.89535 ppb		96
78)	2-Chlorotoluene	11.41	91	16077	2.03612 ppb		94
79)	1,3,5-Trimethylbenzene	11.51	105	13746	1.75088 ppb		99
80)	4-Chlorotoluene	11.51	91	16323	1.93621 ppb		99
81)	Tert-Butylbenzene	11.83	119	11201	1.77937 ppb		99
82)	1,2,4-Trimethylbenzene	11.88	105	14377	1.78577 ppb		98
83)	Sec-Butylbenzene	12.05	105	16927	1.82368 ppb		99
84)	p-Isopropyltoluene	12.20	119	13940	1.74206 ppb		95
85)	Benzyl Chloride	12.37	91	5737	1.84678 ppb		91
86)	1,3-DCB	12.15	146	12795	2.10819 ppb		94
87)	1,4-DCB	12.24	146	14970	2.36643 ppb		96
88)	n-Butylbenzene	12.61	91	13967	1.83333 ppb		95
89)	1,2-DCB	12.60	146	12744	2.19306 ppb		92
90)	Hexachloroethane	12.87	117	3488	2.26728 ppb		82
91)	1,2-Dibromo-3-chloropropan	13.37	157	904	1.90351 ppb		88
92)	1,2,4-Trichlorobenzene	13.60	180	10432	2.24212 ppb		99
93)	Hexachlorobutadiene	14.40	225	5082	2.28215 ppb		94
94)	Naphthalene	14.45	128	11916	5.65625 ppb		98
95)	1,2,3-Trichlorobenzene	14.69	180	8360	2.17831 ppb		89

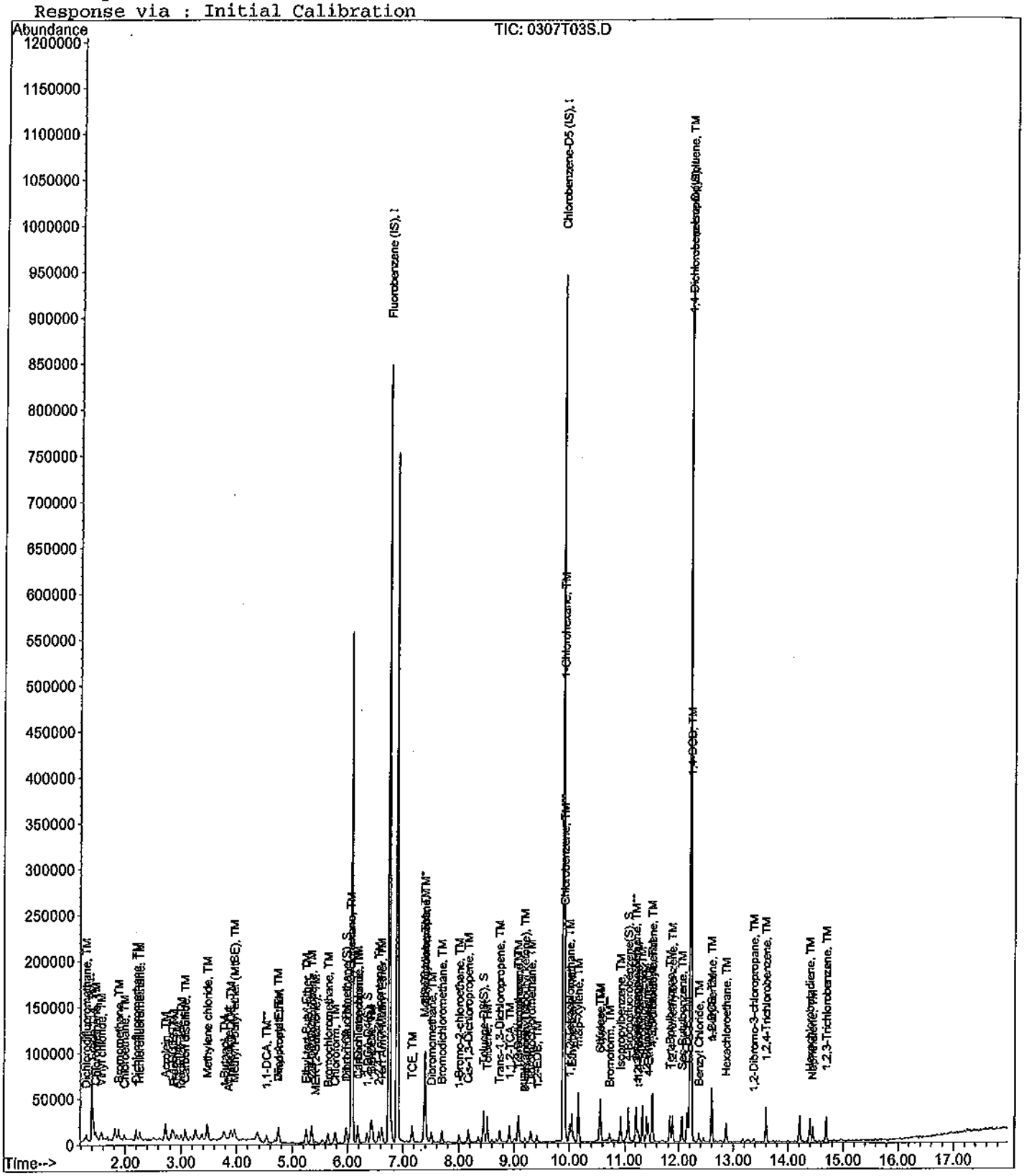
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120307\0307T03S.D Vial: 3
Acq On : 7 Mar 12 9:51 Operator: DG,RS,HW,ARS,SV
Sample : 2.0ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T04S.D Vial: 4
Acq On : 7 Mar 12 10:13 Operator: DG,RS,HW,ARS,SV
Sample : 5.0ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:05:47 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.75	96	415744	50.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	9.89	117	334784	50.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	173120	50.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	5.97	111	13032	5.06785 ppb		0.00
Spiked Amount 74.267			Recovery =	6.824%		
36) 1,2-DCA-D4(S)	6.35	65	15259	5.17932 ppb		0.00
Spiked Amount 65.341			Recovery =	7.926%		
56) Toluene-D8(S)	8.45	98	41513	4.94881 ppb		0.00
Spiked Amount 83.313			Recovery =	5.940%		
64) 4-Bromofluorobenzene(S)	11.06	95	17365	6.72022 ppb		0.00
Spiked Amount 77.736			Recovery =	8.645%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.30	85	8060	5.18488 ppb		95
3) Freon 114	1.42	85	6254	4.14255 ppb		98
4) Chloromethane	1.46	50	13303	4.86940 ppb		99
5) Vinyl chloride	1.56	62	9250	5.17907 ppb		98
6) Bromomethane	1.87	96	9787	4.86244 ppb		100
7) Chloroethane	1.98	49	1420	5.65108 ppb		97
8) Dichlorofluoromethane	2.19	67	20364	4.69072 ppb		99
9) Trichlorofluoromethane	2.25	101	13117	4.63165 ppb		94
10) Acrolein	2.72	56	13531	102.24658 ppb		94
11) Acetone	2.92	43	8644	5.49960 ppb		98
12) Freon-113	2.87	101	7660	4.37921 ppb		91
13) 1,1-DCE	2.83	96	8397	4.84735 ppb		97
14) t-Butanol	3.78	59	21004	97.77978 ppb		97
15) Methyl Acetate	3.38	43	16838	3.47671 ppb		96
16) Iodomethane	2.99	142	13112	4.46337 ppb		98
17) Acrylonitrile	3.84	53	3748	4.79361 ppb		92
18) Methylene chloride	3.47	84	16246	4.80632 ppb		95
19) Carbon disulfide	3.07	76	31156	4.93426 ppb		94
20) Methyl t-butyl ether (MtBE	3.96	73	31917	4.98342 ppb		97
21) Trans-1,2-DCE	3.89	96	10556	4.67253 ppb		89
22) Diisopropyl Ether	4.75	45	34268	4.72156 ppb		97
23) 1,1-DCA	4.53	63	20155	5.06612 ppb		97
24) Vinyl Acetate	4.75	87	9716	4.84368 ppb		92
25) Ethyl tert Butyl Ether	5.25	59	28279	4.61599 ppb		95
26) MEK (2-Butanone)	5.42	43	5546	5.31587 ppb		96
27) Cis-1,2-DCE	5.35	96	14140	5.02814 ppb		99
28) 2,2-Dichloropropane	5.34	77	13388	4.89333 ppb		96
29) Chloroform	5.78	83	21821	4.97588 ppb		99
30) Bromochloromethane	5.64	128	7223	4.94678 ppb		93
32) 1,1,1-TCA	5.98	97	14133	4.91042 ppb		94
33) Cyclohexane	6.05	41	6745	4.58271 ppb		90
34) 1,1-Dichloropropene	6.19	75	11579	4.74397 ppb		96
35) 2,2,4-Trimethylpentane	6.56	57	22813	7.38843 ppb		95
37) Carbon Tetrachloride	6.18	117	11768	4.74740 ppb		96
38) Tert Amyl Methyl Ether	6.62	73	25869	4.41759 ppb	#	90
39) 1,2-DCA	6.44	62	17663	5.02493 ppb		99
40) Benzene	6.42	78	45158	4.81919 ppb		97
41) TCE	7.16	95	11982	4.83449 ppb		90
42) 2-Pentanone	7.39	43	140227	94.50809 ppb		99

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

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T04S.D Vial: 4
Acq On : 7 Mar 12 10:13 Operator: DG,RS,HW,ARS,SV
Sample : 5.0ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:05:47 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,2-Dichloropropane	7.39	63	13018	4.80367	ppb		99
44)	Bromodichloromethane	7.69	83	16427	4.87529	ppb		98
45)	Methyl Cyclohexane	7.37	83	11799	4.36091	ppb		96
46)	Dibromomethane	7.51	93	7693	4.68286	ppb		98
48)	MIBK (methyl isobutyl ket	9.20	43	5266	4.55118	ppb	#	80
49)	1-Bromo-2-chloroethane	8.00	63	9611	4.82115	ppb		98
50)	Cis-1,3-Dichloropropene	8.17	75	16717	4.60452	ppb		97
51)	Toluene	8.51	91	29576	4.71404	ppb		95
52)	Trans-1,3-Dichloropropene	8.74	75	14376	4.58692	ppb		99
53)	1,1,2-TCA	8.92	83	9513	4.73237	ppb		98
54)	2-Hexanone	9.20	43	5266	4.55118	ppb	#	84
57)	1,2-EDB	9.41	107	10894	4.86913	ppb		94
58)	Tetrachloroethene	9.07	164	9768	4.82910	ppb		94
59)	1-Chlorohexane	9.92	91	11790	4.67560	ppb		98
60)	1,1,1,2-Tetrachloroethane	10.00	131	12061	4.75714	ppb		95
61)	m&p-Xylene	10.16	106	35061	8.62625	ppb		99
62)	o-Xylene	10.55	106	17634	4.31880	ppb		92
63)	Styrene	10.56	104	29558	6.22629	ppb		99
65)	1,3-Dichloropropane	9.08	76	18489	4.85389	ppb		100
66)	Dibromochloromethane	9.31	129	12435	4.82186	ppb		99
67)	Chlorobenzene	9.92	112	35696	4.76502	ppb		99
68)	Ethylbenzene	10.04	91	48325	4.55258	ppb		96
69)	Bromoform	10.73	173	8431	4.79859	ppb		93
71)	Isopropylbenzene	10.92	105	38759	4.73102	ppb		99
72)	1,1,2,2-Tetrachloroethane	11.20	83	12519	4.76993	ppb	#	89
73)	1,2,3-Trichloropropane	11.24	110	3803	4.98086	ppb		90
74)	t-1,4-Dichloro-2-Butene	11.26	53	2599	4.72886	ppb	#	77
75)	Bromobenzene	11.21	156	15875	5.04580	ppb		97
76)	n-Propylbenzene	11.33	91	48817	4.54061	ppb		100
77)	4-Ethyltoluene	11.45	105	29114	4.54472	ppb		100
78)	2-Chlorotoluene	11.41	91	36662	4.61570	ppb		96
79)	1,3,5-Trimethylbenzene	11.51	105	34161	4.32549	ppb		100
80)	4-Chlorotoluene	11.51	91	39727	4.68448	ppb		96
81)	Tert-Butylbenzene	11.83	119	29364	4.63711	ppb		99
82)	1,2,4-Trimethylbenzene	11.88	105	34690	4.28335	ppb		95
83)	Sec-Butylbenzene	12.05	105	42135	4.51268	ppb		99
84)	p-Isopropyltoluene	12.20	119	35511	4.41149	ppb		98
85)	Benzyl Chloride	12.37	91	14366	4.59715	ppb		98
86)	1,3-DCB	12.15	146	31346	5.13423	ppb		98
87)	1,4-DCB	12.24	146	32165	5.05451	ppb		98
88)	n-Butylbenzene	12.60	91	34787	4.53919	ppb		95
89)	1,2-DCB	12.60	146	29071	4.97312	ppb		99
90)	Hexachloroethane	12.87	117	7745	5.00465	ppb		95
91)	1,2-Dibromo-3-chloropropan	13.37	157	2200	4.60504	ppb		99
92)	1,2,4-Trichlorobenzene	13.60	180	23578	5.03757	ppb		95
93)	Hexachlorobutadiene	14.40	225	11262	5.02747	ppb		93
94)	Naphthalene	14.45	128	29443	7.65690	ppb		99
95)	1,2,3-Trichlorobenzene	14.69	180	17776	4.60437	ppb		95

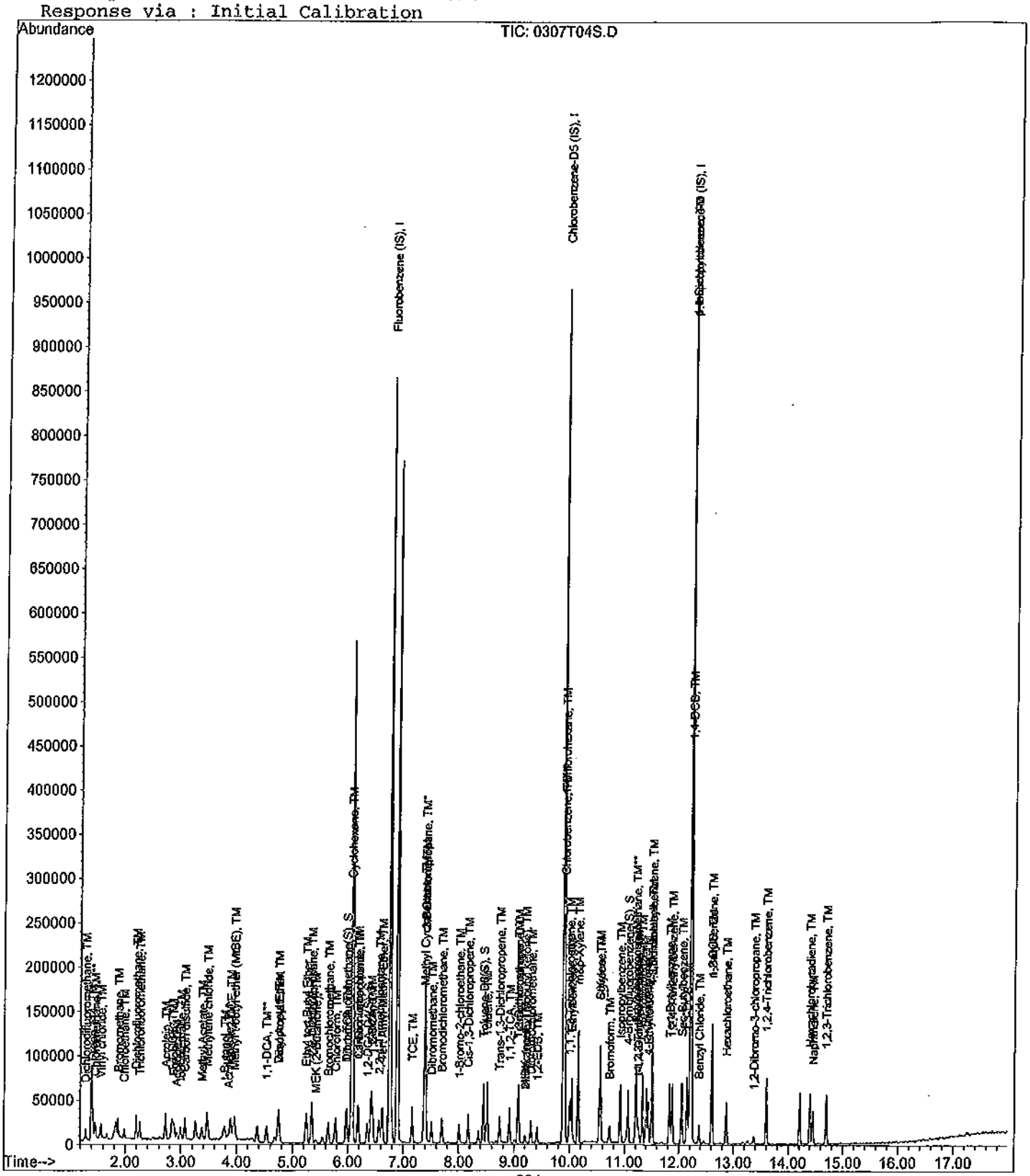
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120307\0307T04S.D Vial: 4
Acq On : 7 Mar 12 10:13 Operator: DG,RS,HW,ARS,SV
Sample : 5.0ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T05S.D Vial: 5
Acq On : 7 Mar 12 10:35 Operator: DG,RS,HW,ARS,SV
Sample : 10ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:05:47 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	433856	50.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	339648	50.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	189184	50.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.97	111	25587	9.53483 ppb	0.00
Spiked Amount 74.267			Recovery = 12.839%		
36) 1,2-DCA-D4(S)	6.35	65	29058	9.45132 ppb	0.00
Spiked Amount 65.341			Recovery = 14.464%		
56) Toluene-D8(S)	8.45	98	80108	9.41301 ppb	0.00
Spiked Amount 83.313			Recovery = 11.298%		
64) 4-Bromofluorobenzene(S)	11.06	95	32684	10.60276 ppb	0.00
Spiked Amount 77.736			Recovery = 13.640%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.30	85	20918	12.89450 ppb	97
3) Freon 114	1.42	85	17832	11.31854 ppb	94
4) Chloromethane	1.46	50	28809	10.10496 ppb	95
5) Vinyl chloride	1.57	62	18968	10.17683 ppb	96
6) Bromomethane	1.87	96	23323	11.10375 ppb	96
7) Chloroethane	1.97	49	2882	10.99051 ppb	92
8) Dichlorofluoromethane	2.20	67	45103	9.95549 ppb	98
9) Trichlorofluoromethane	2.25	101	29441	9.96171 ppb	98
10) Acrolein	2.72	56	20040	145.10988 ppb	99
11) Acetone	2.92	43	11645	9.96328 ppb	94
12) Freon-113	2.87	101	18858	10.33102 ppb	97
13) 1,1-DCE	2.83	96	17997	9.95544 ppb	90
14) t-Butanol	3.79	59	38082	169.88192 ppb	87
15) Methyl Acetate	3.38	43	34015	11.49941 ppb	99
16) Iodomethane	2.99	142	28678	9.35455 ppb	100
17) Acrylonitrile	3.85	53	7859	9.63188 ppb	93
18) Methylene chloride	3.47	84	30260	9.51919 ppb	100
19) Carbon disulfide	3.07	76	61729	9.36807 ppb	99
20) Methyl t-butyl ether (MtBE	3.96	73	62398	9.33591 ppb	93
21) Trans-1,2-DCE	3.89	96	22882	9.70571 ppb	97
22) Diisopropyl Ether	4.75	45	67858	8.95938 ppb	96
23) 1,1-DCA	4.53	63	40374	9.72467 ppb	99
24) Vinyl Acetate	4.75	87	18085	8.63947 ppb	96
25) Ethyl tert Butyl Ether	5.25	59	58035	9.07760 ppb	96
26) MEK (2-Butanone)	5.42	43	10824	11.29036 ppb	86
27) Cis-1,2-DCE	5.35	96	27603	9.40577 ppb	91
28) 2,2-Dichloropropane	5.34	77	27675	9.69297 ppb	95
29) Chloroform	5.78	83	42393	9.26338 ppb	98
30) Bromochloromethane	5.65	128	14651	9.61508 ppb	96
32) 1,1,1-TCA	5.98	97	29009	9.65822 ppb	98
33) Cyclohexane	6.05	41	14512	9.44818 ppb	93
34) 1,1-Dichloropropene	6.18	75	24658	9.68074 ppb	96
35) 2,2,4-Trimethylpentane	6.56	57	62926	12.23826 ppb	99
37) Carbon Tetrachloride	6.18	117	25494	9.85534 ppb	94
38) Tert Amyl Methyl Ether	6.62	73	53475	8.75059 ppb	96
39) 1,2-DCA	6.44	62	35191	9.59351 ppb	99
40) Benzene	6.42	78	89977	9.20135 ppb	98
41) TCE	7.16	95	24129	9.32912 ppb	97
42) 2-Pentanone	7.39	43	219917	142.02884 ppb	99

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

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T05S.D Vial: 5
Acq On : 7 Mar 12 10:35 Operator: DG,RS,HW,ARS,SV
Sample : 10ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:05:47 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	7.39	63	26402	9.33568 ppb		100
44)	Bromodichloromethane	7.70	83	32792	9.32590 ppb		97
45)	Methyl Cyclohexane	7.37	83	27892	9.87851 ppb		98
46)	Dibromomethane	7.51	93	16776	9.78552 ppb		94
48)	MIBK (methyl isobutyl ket	9.20	43	11468	9.49754 ppb		95
49)	1-Bromo-2-chloroethane	8.01	63	19160	9.20996 ppb		93
50)	Cis-1,3-Dichloropropene	8.17	75	35461	9.35960 ppb		98
51)	Toluene	8.51	91	57496	8.78157 ppb		99
52)	Trans-1,3-Dichloropropene	8.74	75	30072	9.19445 ppb		99
53)	1,1,2-TCA	8.92	83	18428	8.78456 ppb		94
54)	2-Hexanone	9.20	43	11468	9.49754 ppb		94
57)	1,2-EDB	9.41	107	21787	9.59837 ppb		97
58)	Tetrachloroethene	9.07	164	20809	10.14021 ppb		95
59)	1-Chlorohexane	9.92	91	23919	9.34980 ppb		97
60)	1,1,1,2-Tetrachloroethane	10.00	131	24656	9.58563 ppb		96
61)	m&p-Xylene	10.16	106	75080	18.20780 ppb		98
62)	o-Xylene	10.55	106	37476	9.04692 ppb		96
63)	Styrene	10.56	104	64246	9.99230 ppb		99
65)	1,3-Dichloropropane	9.08	76	37140	9.61067 ppb		96
66)	Dibromochloromethane	9.31	129	25431	9.72004 ppb		97
67)	Chlorobenzene	9.92	112	73699	9.69711 ppb		98
68)	Ethylbenzene	10.04	91	98058	9.10551 ppb		99
69)	Bromoform	10.73	173	15721	8.81964 ppb		91
71)	Isopropylbenzene	10.92	105	83281	9.30231 ppb		100
72)	1,1,2,2-Tetrachloroethane	11.20	83	27588	9.61889 ppb		98
73)	1,2,3-Trichloropropane	11.24	110	8154	9.77264 ppb		88
74)	t-1,4-Dichloro-2-Butene	11.26	53	5885	9.79850 ppb	#	87
75)	Bromobenzene	11.21	156	32105	9.33796 ppb		94
76)	n-Propylbenzene	11.33	91	108612	9.24451 ppb		99
77)	4-Ethyltoluene	11.45	105	61476	8.78161 ppb		98
78)	2-Chlorotoluene	11.41	91	81618	9.40308 ppb		99
79)	1,3,5-Trimethylbenzene	11.51	105	79502	9.21182 ppb		96
80)	4-Chlorotoluene	11.51	91	88112	9.50767 ppb		96
81)	Tert-Butylbenzene	11.83	119	64284	9.28962 ppb		100
82)	1,2,4-Trimethylbenzene	11.88	105	79881	9.02581 ppb		97
83)	Sec-Butylbenzene	12.05	105	94190	9.23121 ppb		99
84)	p-Isopropyltoluene	12.20	119	79797	9.07135 ppb		98
85)	Benzyl Chloride	12.37	91	29767	8.71668 ppb		95
86)	1,3-DCB	12.15	146	64125	9.61132 ppb		99
87)	1,4-DCB	12.24	146	64200	9.23196 ppb		97
88)	n-Butylbenzene	12.61	91	75587	9.02550 ppb		98
89)	1,2-DCB	12.60	146	59601	9.33008 ppb		99
90)	Hexachloroethane	12.87	117	16313	9.64603 ppb		95
91)	1,2-Dibromo-3-chloropropan	13.37	157	5045	9.66350 ppb		95
92)	1,2,4-Trichlorobenzene	13.60	180	46125	9.01806 ppb		98
93)	Hexachlorobutadiene	14.40	225	23026	9.40622 ppb		97
94)	Naphthalene	14.45	128	60226	10.59885 ppb		99
95)	1,2,3-Trichlorobenzene	14.69	180	36547	8.66266 ppb		93

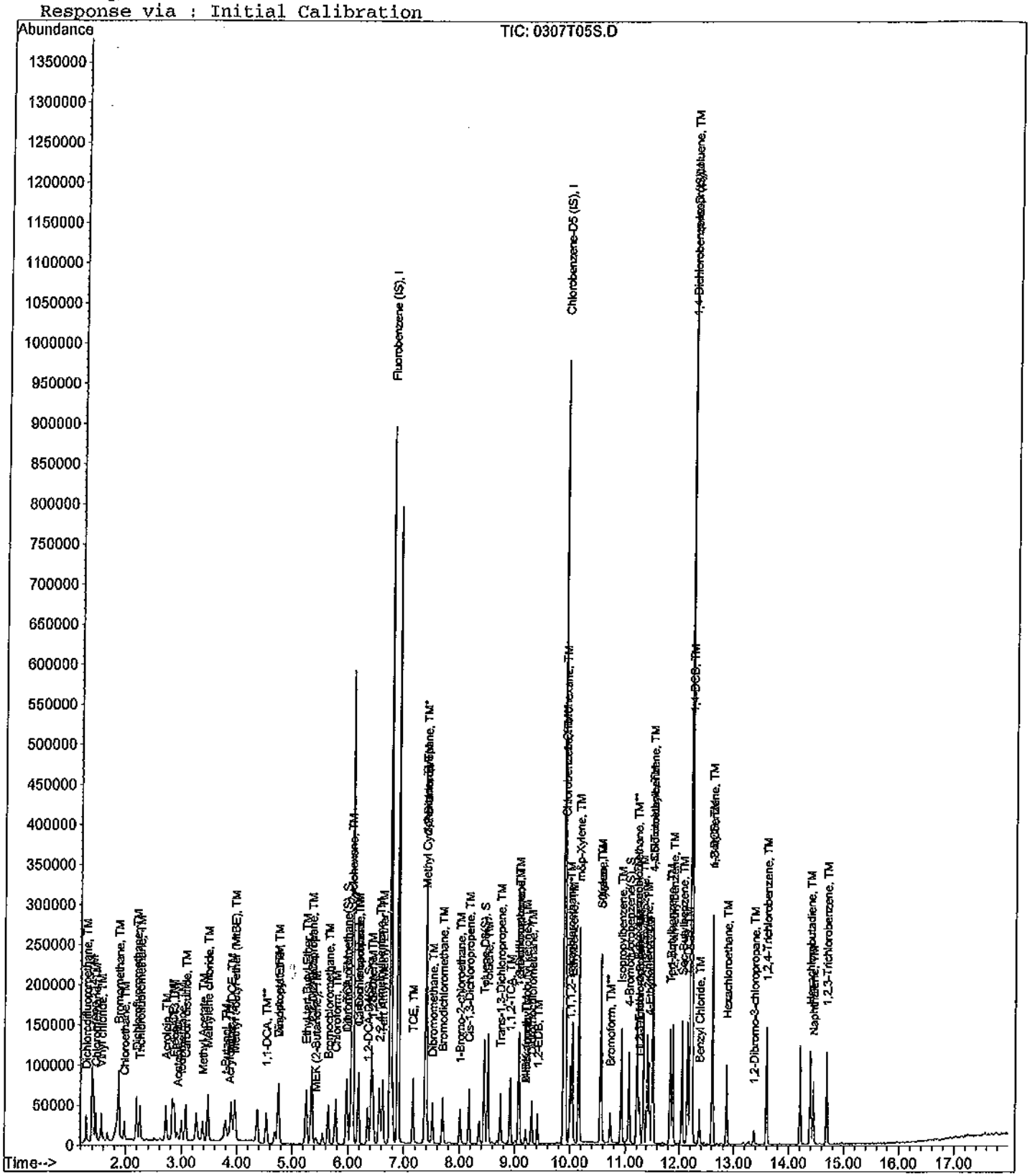
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120307\0307T05S.D Vial: 5
Acq On : 7 Mar 12 10:35 Operator: DG,RS,HW,ARS,SV
Sample : 10ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T06S.D Vial: 6
Acq On : 7 Mar 12 10:57 Operator: DG,RS,HW,ARS,SV
Sample : 20ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:05:47 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	441920	50.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	355904	50.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	203520	50.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.97	111	49812	18.22340 ppb	0.00
Spiked Amount 74.267			Recovery =	24.537%	
36) 1,2-DCA-D4(S)	6.35	65	57156	18.25116 ppb	0.00
Spiked Amount 65.341			Recovery =	27.932%	
56) Toluene-D8(S)	8.45	98	159692	17.90738 ppb	0.00
Spiked Amount 83.313			Recovery =	21.494%	
64) 4-Bromofluorobenzene(S)	11.06	95	70071	19.41226 ppb	0.00
Spiked Amount 77.736			Recovery =	24.972%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.29	85	45178	27.34093 ppb	98
3) Freon 114	1.41	85	35900	22.37107 ppb	90
4) Chloromethane	1.46	50	57443	19.78088 ppb	97
5) Vinyl chloride	1.56	62	36120	19.02569 ppb	97
6) Bromomethane	1.86	96	41010	19.16801 ppb	92
7) Chloroethane	1.97	49	4542	17.00486 ppb	93
8) Dichlorofluoromethane	2.19	67	86121	18.66243 ppb	99
9) Trichlorofluoromethane	2.24	101	63712	21.16433 ppb	100
10) Acrolein	2.72	56	24856	176.69834 ppb	96
11) Acetone	2.93	43	18673	21.33714 ppb	100
12) Freon-113	2.86	101	40026	21.52740 ppb	98
13) 1,1-DCE	2.83	96	36516	19.83105 ppb	95
14) t-Butanol	3.79	59	39585	173.36444 ppb	97
15) Methyl Acetate	3.38	43	59649	23.47509 ppb	97
16) Iodomethane	2.99	142	55961	17.92096 ppb	99
17) Acrylonitrile	3.85	53	14732	17.72587 ppb	89
18) Methylene chloride	3.47	84	53788	17.50482 ppb	97
19) Carbon disulfide	3.06	76	125750	18.73574 ppb	100
20) Methyl t-butyl ether (MtBE	3.96	73	124414	18.27499 ppb	99
21) Trans-1,2-DCE	3.88	96	44944	18.71573 ppb	96
22) Diisopropyl Ether	4.75	45	137289	17.79569 ppb	99
23) 1,1-DCA	4.53	63	77254	18.26820 ppb	99
24) Vinyl Acetate	4.75	87	38949	18.26699 ppb	100
25) Ethyl tert Butyl Ether	5.25	59	115188	17.68846 ppb	92
26) MEK (2-Butanone)	5.42	43	18324	19.79070 ppb	96
27) Cis-1,2-DCE	5.35	96	51859	17.34859 ppb	93
28) 2,2-Dichloropropane	5.34	77	54148	18.61889 ppb	99
29) Chloroform	5.78	83	84380	18.10159 ppb	98
30) Bromochloromethane	5.64	128	28711	18.49847 ppb	90
32) 1,1,1-TCA	5.98	97	60682	19.83472 ppb	97
33) Cyclohexane	6.04	41	32028	20.47164 ppb	98
34) 1,1-Dichloropropene	6.18	75	49922	19.24176 ppb	99
35) 2,2,4-Trimethylpentane	6.56	57	139399	21.40372 ppb	100
37) Carbon Tetrachloride	6.18	117	49392	18.74528 ppb	97
38) Tert Amyl Methyl Ether	6.62	73	111369	17.89174 ppb	99
39) 1,2-DCA	6.44	62	67178	17.97938 ppb	97
40) Benzene	6.42	78	179948	18.06629 ppb	98
41) TCE	7.16	95	47615	18.07371 ppb	94
42) 2-Pentanone	7.39	43	283067	179.47706 ppb	98

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

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T06S.D Vial: 6
Acq On : 7 Mar 12 10:57 Operator: DG,RS,HW,ARS,SV
Sample : 20ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:05:47 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43)	1,2-Dichloropropane	7.39	63	51992	18.04877 ppb	98
44)	Bromodichloromethane	7.69	83	64897	18.11964 ppb	100
45)	Methyl Cyclohexane	7.37	83	59726	20.76717 ppb	99
46)	Dibromomethane	7.51	93	31971	18.30853 ppb	95
48)	MIBK (methyl isobutyl ket	9.20	43	21924	17.82564 ppb	100
49)	1-Bromo-2-chloroethane	8.00	63	38576	18.20461 ppb	99
50)	Cis-1,3-Dichloropropene	8.17	75	68646	17.78786 ppb	99
51)	Toluene	8.51	91	116808	17.51495 ppb	99
52)	Trans-1,3-Dichloropropene	8.74	75	57582	17.28432 ppb	98
53)	1,1,2-TCA	8.92	83	39096	18.29684 ppb	97
54)	2-Hexanone	9.20	43	21924	17.82564 ppb	99
57)	1,2-EDB	9.41	107	43875	18.44647 ppb	100
58)	Tetrachloroethene	9.07	164	41000	19.06672 ppb	92
59)	1-Chlorohexane	9.92	91	49646	18.51994 ppb	99
60)	1,1,1,2-Tetrachloroethane	10.00	131	48558	18.01586 ppb	100
61)	m&p-Xylene	10.16	106	156406	36.19786 ppb	97
62)	o-Xylene	10.55	106	77804	17.92444 ppb	97
63)	Styrene	10.56	104	137172	17.32024 ppb	98
65)	1,3-Dichloropropane	9.08	76	72443	17.88976 ppb	99
66)	Dibromochloromethane	9.31	129	48935	17.84927 ppb	100
67)	Chlorobenzene	9.92	112	140257	17.61170 ppb	98
68)	Ethylbenzene	10.04	91	202457	17.94114 ppb	100
69)	Bromoform	10.73	173	33641	18.01091 ppb	98
71)	Isopropylbenzene	10.92	105	177323	18.41142 ppb	99
72)	1,1,2,2-Tetrachloroethane	11.21	83	54460	17.65061 ppb	99
73)	1,2,3-Trichloropropane	11.24	110	15923	17.73958 ppb	93
74)	t-1,4-Dichloro-2-Butene	11.26	53	10931	16.91805 ppb	98
75)	Bromobenzene	11.21	156	66382	17.94762 ppb	99
76)	n-Propylbenzene	11.33	91	232110	18.36443 ppb	99
77)	4-Ethyltoluene	11.45	105	140024	18.59295 ppb	100
78)	2-Chlorotoluene	11.41	91	171003	18.31323 ppb	95
79)	1,3,5-Trimethylbenzene	11.51	105	173158	18.65036 ppb	99
80)	4-Chlorotoluene	11.51	91	180785	18.13337 ppb	98
81)	Tert-Butylbenzene	11.83	119	140040	18.81155 ppb	98
82)	1,2,4-Trimethylbenzene	11.88	105	171575	18.02079 ppb	99
83)	Sec-Butylbenzene	12.05	105	210267	19.15590 ppb	99
84)	p-Isopropyltoluene	12.20	119	177484	18.75521 ppb	97
85)	Benzyl Chloride	12.37	91	64525	17.56391 ppb	98
86)	1,3-DCB	12.15	146	130711	18.21147 ppb	99
87)	1,4-DCB	12.24	146	133713	17.87350 ppb	99
88)	n-Butylbenzene	12.61	91	168536	18.70656 ppb	98
89)	1,2-DCB	12.60	146	123453	17.96431 ppb	97
90)	Hexachloroethane	12.87	117	33011	18.14475 ppb	97
91)	1,2-Dibromo-3-chloropropan	13.37	157	10242	18.23623 ppb	88
92)	1,2,4-Trichlorobenzene	13.60	180	96169	17.47790 ppb	98
93)	Hexachlorobutadiene	14.40	225	48701	18.49319 ppb	98
94)	Naphthalene	14.45	128	133807	17.32739 ppb	99
95)	1,2,3-Trichlorobenzene	14.69	180	81467	17.94975 ppb	98

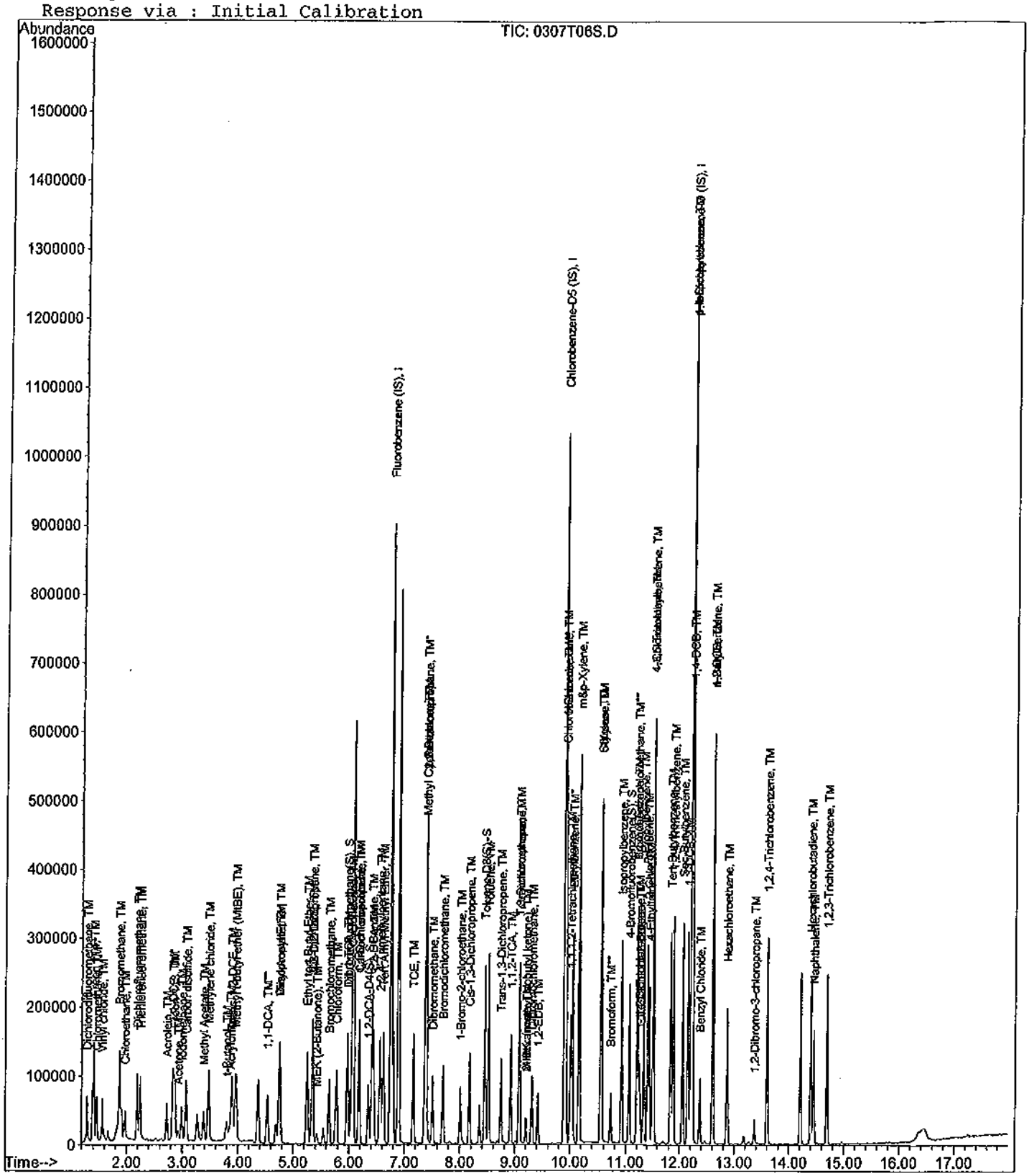
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120307\0307T06S.D Vial: 6
Acq On : 7 Mar 12 10:57 Operator: DG,RS,HW,ARS,SV
Sample : 20ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T07S.D Vial: 7
Acq On : 7 Mar 12 11:19 Operator: DG,RS,HW,ARS,SV
Sample : 50ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:05:47 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	429824	50.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	354560	50.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.21	152	205248	50.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.96	111	128353	48.27856 ppb	0.00
Spiked Amount 74.267			Recovery =	65.007%	
36) 1,2-DCA-D4(S)	6.35	65	139263	45.72119 ppb	0.00
Spiked Amount 65.341			Recovery =	69.973%	
56) Toluene-D8(S)	8.45	98	406601	45.76784 ppb	0.00
Spiked Amount 83.313			Recovery =	54.935%	
64) 4-Bromofluorobenzene(S)	11.06	95	177041	45.88332 ppb	0.00
Spiked Amount 77.736			Recovery =	59.024%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.29	85	82422	51.28406 ppb	100
3) Freon 114	1.41	85	67669	43.35458 ppb	100
4) Chloromethane	1.46	50	137690	48.74879 ppb	100
5) Vinyl chloride	1.56	62	85832	46.48309 ppb	100
6) Bromomethane	1.86	96	90568	43.52263 ppb	100
7) Chloroethane	1.97	49	12024	46.28367 ppb	100
8) Dichlorofluoromethane	2.19	67	225559	50.25418 ppb	100
9) Trichlorofluoromethane	2.25	101	130761	44.65957 ppb	100
10) Acrolein	2.71	56	34472	251.95368 ppb	100
11) Acetone	2.92	43	34677	49.68993 ppb	100
12) Freon-113	2.86	101	79389	43.89981 ppb	100
13) 1,1-DCE	2.83	96	84880	47.39372 ppb	100
14) t-Butanol	3.78	59	55578	250.25645 ppb	100
15) Methyl Acetate	3.37	43	109215	48.68905 ppb	100
16) Iodomethane	2.99	142	184717	60.81850 ppb	100
17) Acrylonitrile	3.84	53	40900	50.59669 ppb	100
18) Methylene chloride	3.47	84	153276	53.59885 ppb	100
19) Carbon disulfide	3.06	76	301567	46.19549 ppb	100
20) Methyl t-butyl ether (MtBE	3.95	73	356650	53.86208 ppb	100
21) Trans-1,2-DCE	3.88	96	117617	50.35681 ppb	100
22) Diisopropyl Ether	4.75	45	411388	54.82563 ppb	100
23) 1,1-DCA	4.53	63	214917	52.25148 ppb	100
24) Vinyl Acetate	4.75	87	116682	56.26360 ppb	100
25) Ethyl tert Butyl Ether	5.25	59	348157	54.96813 ppb	100
26) MEK (2-Butanone)	5.42	43	41983	48.72037 ppb	100
27) Cis-1,2-DCE	5.35	96	154049	52.98489 ppb	100
28) 2,2-Dichloropropane	5.34	77	136814	48.36764 ppb	100
29) Chloroform	5.78	83	242655	53.52041 ppb	100
30) Bromochloromethane	5.64	128	80779	53.51049 ppb	100
32) 1,1,1-TCA	5.98	97	148009	49.74017 ppb	100
33) Cyclohexane	6.05	41	67080	44.08277 ppb	100
34) 1,1-Dichloropropene	6.18	75	122782	48.65647 ppb	100
35) 2,2,4-Trimethylpentane	6.56	57	310756	43.32463 ppb	100
37) Carbon Tetrachloride	6.18	117	121531	47.42152 ppb	100
38) Tert Amyl Methyl Ether	6.62	73	342830	56.62656 ppb	100
39) 1,2-DCA	6.44	62	196451	54.05737 ppb	100
40) Benzene	6.42	78	509755	52.61826 ppb	100
41) TCE	7.16	95	125562	49.00210 ppb	100
42) 2-Pentanone	7.39	43	395888	258.07446 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T07S.D Vial: 7
Acq On : 7 Mar 12 11:19 Operator: DG,RS,HW,ARS,SV
Sample : 50ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:05:47 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43)	1,2-Dichloropropane	7.39	63	151888	54.21101 ppb	100
44)	Bromodichloromethane	7.69	83	191037	54.83974 ppb	100
45)	Methyl Cyclohexane	7.37	83	127059	45.42264 ppb	100
46)	Dibromomethane	7.51	93	92605	54.52363 ppb	100
48)	MIBK (methyl isobutyl ket	9.20	43	58913	49.24809 ppb	100
49)	1-Bromo-2-chloroethane	8.00	63	111848	54.26820 ppb	100
50)	Cis-1,3-Dichloropropene	8.17	75	204970	54.60743 ppb	100
51)	Toluene	8.51	91	346752	53.45747 ppb	100
52)	Trans-1,3-Dichloropropene	8.74	75	178213	54.99941 ppb	100
53)	1,1,2-TCA	8.92	83	110185	53.01749 ppb	100
54)	2-Hexanone	9.20	43	58913	49.24809 ppb	100
57)	1,2-EDB	9.41	107	127809	53.93872 ppb	100
58)	Tetrachloroethene	9.07	164	99485	46.44006 ppb	100
59)	1-Chlorohexane	9.92	91	120171	44.99852 ppb	100
60)	1,1,1,2-Tetrachloroethane	10.00	131	146558	54.58166 ppb	100
61)	m&p-Xylene	10.16	106	471771	109.59830 ppb	100
62)	o-Xylene	10.55	106	241884	55.93634 ppb	100
63)	Styrene	10.56	104	441604	49.43318 ppb	100
65)	1,3-Dichloropropane	9.08	76	214537	53.18063 ppb	100
66)	Dibromochloromethane	9.31	129	144830	53.02767 ppb	100
67)	Chlorobenzene	9.92	112	412663	52.01342 ppb	100
68)	Ethylbenzene	10.04	91	592963	52.74581 ppb	100
69)	Bromoform	10.73	173	99835	53.65284 ppb	100
71)	Isopropylbenzene	10.92	105	507417	52.24147 ppb	100
72)	1,1,2,2-Tetrachloroethane	11.20	83	161249	51.82119 ppb	100
73)	1,2,3-Trichloropropane	11.24	110	46860	51.76651 ppb	100
74)	t-1,4-Dichloro-2-Butene	11.26	53	33575	51.52698 ppb	100
75)	Bromobenzene	11.21	156	201121	53.91904 ppb	100
76)	n-Propylbenzene	11.33	91	670046	52.56737 ppb	100
77)	4-Ethyltoluene	11.45	105	413634	54.46157 ppb	100
78)	2-Chlorotoluene	11.41	91	506972	53.83608 ppb	100
79)	1,3,5-Trimethylbenzene	11.51	105	523530	55.91320 ppb	100
80)	4-Chlorotoluene	11.51	91	550737	54.77579 ppb	100
81)	Tert-Butylbenzene	11.83	119	390974	52.07731 ppb	100
82)	1,2,4-Trimethylbenzene	11.88	105	541411	56.38649 ppb	100
83)	Sec-Butylbenzene	12.05	105	575982	52.03175 ppb	100
84)	p-Isopropyltoluene	12.20	119	512750	53.72750 ppb	100
85)	Benzyl Chloride	12.37	91	191653	51.72936 ppb	100
86)	1,3-DCB	12.15	146	379265	52.39669 ppb	100
87)	1,4-DCB	12.24	146	389942	51.68496 ppb	100
88)	n-Butylbenzene	12.61	91	471581	51.90219 ppb	100
89)	1,2-DCB	12.60	146	365931	52.80029 ppb	100
90)	Hexachloroethane	12.87	117	88747	48.36978 ppb	100
91)	1,2-Dibromo-3-chloropropan	13.37	157	29333	51.78870 ppb	100
92)	1,2,4-Trichlorobenzene	13.60	180	287441	51.80015 ppb	100
93)	Hexachlorobutadiene	14.40	225	126572	47.65843 ppb	100
94)	Naphthalene	14.45	128	434535	46.28898 ppb	100
95)	1,2,3-Trichlorobenzene	14.69	180	246632	53.88331 ppb	100

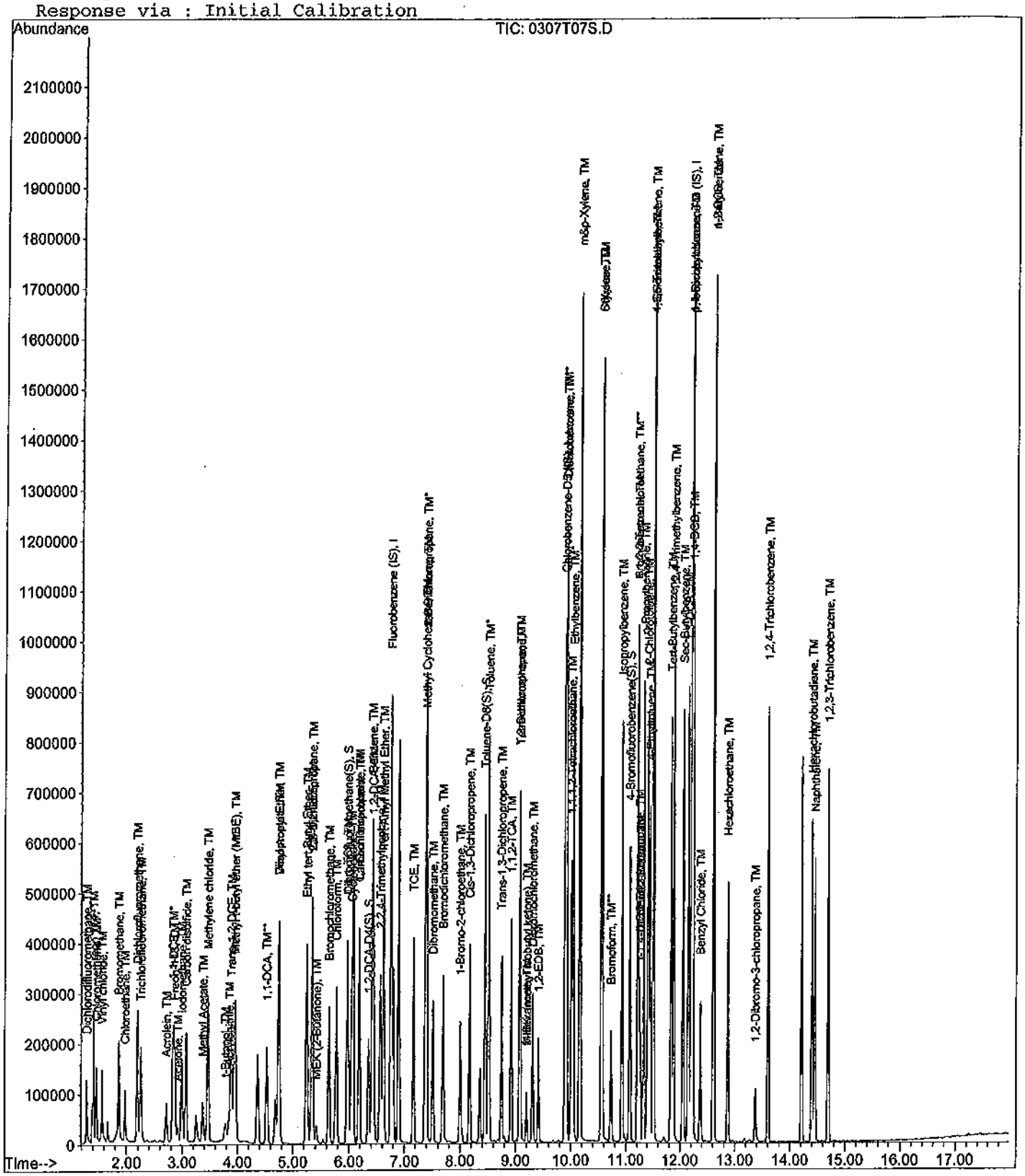
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120307\0307T07S.D Vial: 7
Acq On : 7 Mar 12 11:19 Operator: DG,RS,HW,ARS,SV
Sample : 50ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T08S.D Vial: 8
Acq On : 7 Mar 12 11:41 Operator: DG,RS,HW,ARS,SV
Sample : 100ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:05:47 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	440768	50.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	354752	50.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.21	152	211904	50.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.97	111	271110	99.44305 ppb	0.00
Spiked Amount 74.267			Recovery = 133.899%		
36) 1,2-DCA-D4(S)	6.35	65	296328	94.87134 ppb	0.00
Spiked Amount 65.341			Recovery = 145.194%		
56) Toluene-D8(S)	8.45	98	890252	100.15435 ppb	0.00
Spiked Amount 83.313			Recovery = 120.214%		
64) 4-Bromofluorobenzene(S)	11.06	95	382987	96.67030 ppb	0.00
Spiked Amount 77.736			Recovery = 124.356%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.30	85	199500	121.04944 ppb	98
3) Freon 114	1.42	85	166820	104.22550 ppb	95
4) Chloromethane	1.46	50	275452	95.10164 ppb	99
5) Vinyl chloride	1.57	62	171008	90.31145 ppb	98
6) Bromomethane	1.87	96	208121	97.52969 ppb	96
7) Chloroethane	1.97	49	24144	90.62930 ppb	93
8) Dichlorofluoromethane	2.20	67	472220	102.59755 ppb	99
9) Trichlorofluoromethane	2.25	101	301340	100.36302 ppb	100
10) Acrolein	2.72	56	42168	300.55076 ppb	98
11) Acetone	2.93	43	65882	100.45371 ppb	98
12) Freon-113	2.87	101	188128	101.44633 ppb	99
13) 1,1-DCE	2.83	96	182533	99.38880 ppb	93
14) t-Butanol	3.80	59	61957	272.05289 ppb	95
15) Methyl Acetate	3.38	43	219978	100.54697 ppb	97
16) Iodomethane	2.99	142	351784	112.94982 ppb	98
17) Acrylonitrile	3.85	53	79872	96.35494 ppb	98
18) Methylene chloride	3.47	84	291198	100.32211 ppb	100
19) Carbon disulfide	3.07	76	651596	97.33630 ppb	99
20) Methyl t-butyl ether (MtBE	3.96	73	703182	103.55934 ppb	98
21) Trans-1,2-DCE	3.89	96	241731	100.92555 ppb	98
22) Diisopropyl Ether	4.75	45	810043	105.27390 ppb	99
23) 1,1-DCA	4.54	63	431662	102.34161 ppb	99
24) Vinyl Acetate	4.75	87	229625	107.97505 ppb	99
25) Ethyl tert Butyl Ether	5.25	59	689683	106.18567 ppb	100
26) MEK (2-Butanone)	5.42	43	86607	99.57796 ppb	96
27) Cis-1,2-DCE	5.35	96	301214	101.02966 ppb	99
28) 2,2-Dichloropropane	5.34	77	291645	100.54477 ppb	99
29) Chloroform	5.78	83	469285	100.93632 ppb	99
30) Bromochloromethane	5.65	128	158928	102.66477 ppb	99
32) 1,1,1-TCA	5.98	97	319728	104.78050 ppb	98
33) Cyclohexane	6.05	41	153924	98.64221 ppb	95
34) 1,1-Dichloropropene	6.19	75	269635	104.19880 ppb	99
35) 2,2,4-Trimethylpentane	6.56	57	711593	91.27394 ppb	99
37) Carbon Tetrachloride	6.18	117	266320	101.33811 ppb	97
38) Tert Amyl Methyl Ether	6.62	73	684940	110.32514 ppb	98
39) 1,2-DCA	6.44	62	370980	99.54782 ppb	100
40) Benzene	6.42	78	1036470	104.33075 ppb	98
41) TCE	7.16	95	255570	97.26284 ppb	99
42) 2-Pentanone	7.39	43	488425	310.49255 ppb	99

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

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T08S.D Vial: 8
Acq On : 7 Mar 12 11:41 Operator: DG,RS,HW,ARS,SV
Sample : 100ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:05:47 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	7.39	63	295419	102.82130	ppb	99
44)	Bromodichloromethane	7.69	83	368691	103.20982	ppb	100
45)	Methyl Cyclohexane	7.37	83	303664	105.86218	ppb	100
46)	Dibromomethane	7.51	93	179888	103.28402	ppb	97
48)	MIBK (methyl isobutyl ket	9.20	43	130182	106.12306	ppb	98
49)	1-Bromo-2-chloroethane	8.01	63	223040	105.53112	ppb	100
50)	Cis-1,3-Dichloropropene	8.17	75	410982	106.77383	ppb	99
51)	Toluene	8.51	91	721920	108.53232	ppb	100
52)	Trans-1,3-Dichloropropene	8.74	75	364151	109.59247	ppb	99
53)	1,1,2-TCA	8.92	83	221093	103.74143	ppb	95
54)	2-Hexanone	9.20	43	130182	106.12306	ppb	99
57)	1,2-EDB	9.41	107	252615	106.55240	ppb	99
58)	Tetrachloroethene	9.07	164	215322	100.45891	ppb	96
59)	1-Chlorohexane	9.92	91	283048	105.93111	ppb	96
60)	1,1,1,2-Tetrachloroethane	10.00	131	283485	105.51938	ppb	99
61)	m&p-Xylene	10.16	106	977942	227.06520	ppb	98
62)	o-Xylene	10.55	106	488094	112.81198	ppb	93
63)	Styrene	10.56	104	910636	98.77298	ppb	99
65)	1,3-Dichloropropane	9.08	76	420204	104.10614	ppb	98
66)	Dibromochloromethane	9.31	129	288993	105.75386	ppb	100
67)	Chlorobenzene	9.92	112	812549	102.36096	ppb	100
68)	Ethylbenzene	10.04	91	1251104	111.22917	ppb	99
69)	Bromoform	10.73	173	202937	109.00240	ppb	100
71)	Isopropylbenzene	10.92	105	1090664	108.76299	ppb	100
72)	1,1,2,2-Tetrachloroethane	11.20	83	329136	102.45320	ppb	98
73)	1,2,3-Trichloropropane	11.24	110	92925	99.43034	ppb	98
74)	t-1,4-Dichloro-2-Butene	11.26	53	73761	109.64410	ppb	98
75)	Bromobenzene	11.21	156	387311	100.57367	ppb	98
76)	n-Propylbenzene	11.33	91	1441004	109.50063	ppb	100
77)	4-Ethyltoluene	11.45	105	872228	111.23558	ppb	99
78)	2-Chlorotoluene	11.41	91	1035353	106.49218	ppb	99
79)	1,3,5-Trimethylbenzene	11.51	105	1102471	114.04591	ppb	99
80)	4-Chlorotoluene	11.51	91	1110870	107.01567	ppb	100
81)	Tert-Butylbenzene	11.83	119	851559	109.86395	ppb	99
82)	1,2,4-Trimethylbenzene	11.88	105	1144737	115.47646	ppb	99
83)	Sec-Butylbenzene	12.05	105	1255054	109.81500	ppb	99
84)	p-Isopropyltoluene	12.20	119	1115405	113.20441	ppb	99
85)	Benzyl Chloride	12.37	91	434605	113.62031	ppb	99
86)	1,3-DCB	12.15	146	747964	100.08790	ppb	100
87)	1,4-DCB	12.24	146	760805	97.67362	ppb	99
88)	n-Butylbenzene	12.61	91	1042254	111.10734	ppb	100
89)	1,2-DCB	12.60	146	717094	100.21966	ppb	99
90)	Hexachloroethane	12.87	117	184338	97.31395	ppb	99
91)	1,2-Dibromo-3-chloropropan	13.37	157	64786	110.78973	ppb	98
92)	1,2,4-Trichlorobenzene	13.60	180	579406	101.13584	ppb	98
93)	Hexachlorobutadiene	14.40	225	267540	97.57322	ppb	100
94)	Naphthalene	14.45	128	988284	96.81908	ppb	100
95)	1,2,3-Trichlorobenzene	14.69	180	496941	105.15972	ppb	97

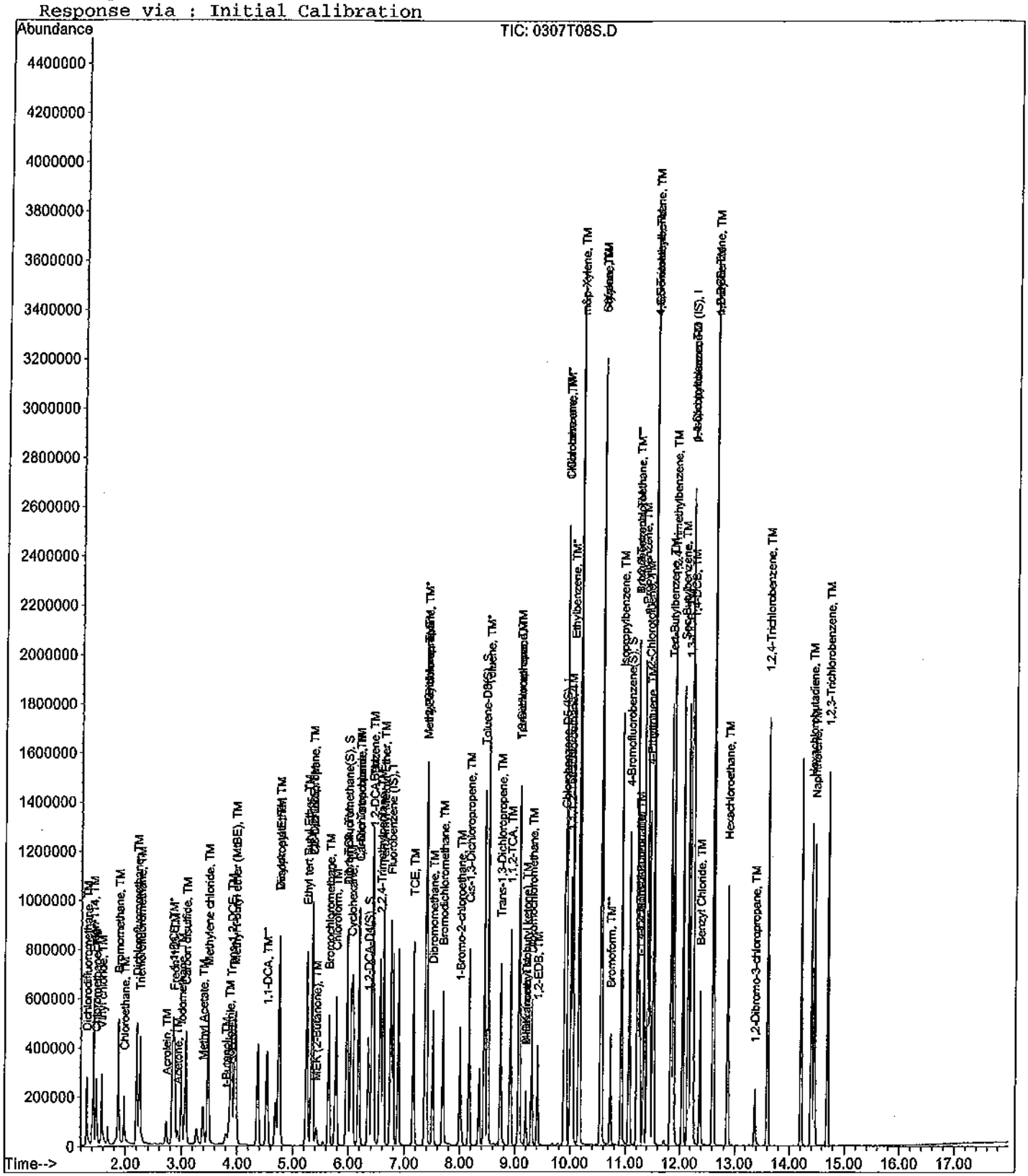
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120307\0307T08S.D Vial: 8
Acq On : 7 Mar 12 11:41 Operator: DG,RS,HW,ARS,SV
Sample : 100ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120307\0307T09S.D Vial: 9
Acq On : 7 Mar 12 12:02 Operator: DG,RS,HW,ARS,SV
Sample : 200ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:05:47 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	448704	50.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	367936	50.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	229312	50.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.97	111	563835	203.15666 ppb	0.00
Spiked Amount 74.267			Recovery	= 273.550%	
36) 1,2-DCA-D4(S)	6.35	65	613588	192.96979 ppb	0.00
Spiked Amount 65.341			Recovery	= 295.329%	
56) Toluene-D8(S)	8.45	98	1915958	207.82386 ppb	0.00
Spiked Amount 83.313			Recovery	= 249.449%	
64) 4-Bromofluorobenzene(S)	11.06	95	842738	202.64903 ppb	0.00
Spiked Amount 77.736			Recovery	= 260.688%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.30	85	483209	288.00830 ppb	97
3) Freon 114	1.42	85	385336	236.49151 ppb	93
4) Chloromethane	1.46	50	593106	201.15207 ppb	99
5) Vinyl chloride	1.57	62	377984	196.08750 ppb	97
6) Bromomethane	1.87	96	453253	208.64680 ppb	97
7) Chloroethane	1.96	49	49605	182.90896 ppb	95
8) Dichlorofluoromethane	2.19	67	991454	211.59983 ppb	99
9) Trichlorofluoromethane	2.24	101	666518	218.06146 ppb	100
10) Acrolein	2.72	56	50456	353.26268 ppb	92
11) Acetone	2.93	43	127436	199.73114 ppb	97
12) Freon-113	2.86	101	416493	220.61790 ppb	99
13) 1,1-DCE	2.83	96	396366	212.00328 ppb	96
14) t-Butanol	3.81	59	77460	334.11085 ppb	96
15) Methyl Acetate	3.39	43	434106	199.69366 ppb	100
16) Iodomethane	2.99	142	709593	223.80455 ppb	99
17) Acrylonitrile	3.85	53	164750	195.23377 ppb	94
18) Methylene chloride	3.47	84	585216	199.21732 ppb	99
19) Carbon disulfide	3.07	76	1414662	207.58655 ppb	100
20) Methyl t-butyl ether (MtBE	3.96	73	1412988	204.41375 ppb	98
21) Trans-1,2-DCE	3.89	96	500054	205.08589 ppb	99
22) Diisopropyl Ether	4.75	45	1693482	216.19385 ppb	97
23) 1,1-DCA	4.53	63	885316	206.18490 ppb	99
24) Vinyl Acetate	4.75	87	473707	218.80848 ppb	99
25) Ethyl tert Butyl Ether	5.25	59	1451851	219.57787 ppb	99
26) MEK (2-Butanone)	5.42	43	176137	200.48121 ppb	95
27) Cis-1,2-DCE	5.35	96	624180	205.65236 ppb	98
28) 2,2-Dichloropropane	5.34	77	628240	212.75542 ppb	99
29) Chloroform	5.78	83	953174	201.38777 ppb	98
30) Bromochloromethane	5.65	128	323881	205.52120 ppb	97
32) 1,1,1-TCA	5.98	97	681790	219.48281 ppb	99
33) Cyclohexane	6.05	41	355120	223.55362 ppb	90
34) 1,1-Dichloropropene	6.19	75	595187	225.93839 ppb	99
35) 2,2,4-Trimethylpentane	6.56	57	1678820	205.68300 ppb	98
37) Carbon Tetrachloride	6.18	117	591842	221.22027 ppb	99
38) Tert Amyl Methyl Ether	6.62	73	1443591	228.41060 ppb	97
39) 1,2-DCA	6.44	62	763727	201.31194 ppb	99
40) Benzene	6.42	78	2130843	210.69641 ppb	99
41) TCE	7.16	95	534223	199.71457 ppb	98
42) 2-Pentanone	7.40	43	614697	383.85261 ppb	99

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

Data File : M:\THOR\DATA\T120307\0307T09S.D Vial: 9
Acq On : 7 Mar 12 12:02 Operator: DG,RS,HW,ARS,SV
Sample : 200ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:05:47 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43)	1,2-Dichloropropane	7.39	63	603486	206.32981 ppb	100
44)	Bromodichloromethane	7.70	83	753644	207.24061 ppb	98
45)	Methyl Cyclohexane	7.37	83	730208	250.06001 ppb	98
46)	Dibromomethane	7.51	93	367150	207.07353 ppb	97
48)	MIBK (methyl isobutyl ket	9.20	43	279532	223.84144 ppb	100
49)	1-Bromo-2-chloroethane	8.01	63	442368	205.60402 ppb	99
50)	Cis-1,3-Dichloropropene	8.17	75	854360	218.03844 ppb	100
51)	Toluene	8.51	91	1505280	222.29895 ppb	99
52)	Trans-1,3-Dichloropropene	8.74	75	762350	225.37396 ppb	99
53)	1,1,2-TCA	8.92	83	451118	207.93018 ppb	96
54)	2-Hexanone	9.20	43	279532	223.84144 ppb	100
57)	1,2-EDB	9.41	107	519847	211.41326 ppb	99
58)	Tetrachloroethene	9.07	164	460724	207.24949 ppb	97
59)	1-Chlorohexane	9.92	91	648108	233.86400 ppb	92
60)	1,1,1,2-Tetrachloroethane	10.00	131	601667	215.92896 ppb	99
61)	m&p-Xylene	10.16	106	2100403	470.21088 ppb	100
62)	o-Xylene	10.55	106	1056181	235.36544 ppb	98
63)	Styrene	10.56	104	1951572	200.97007 ppb	100
65)	1,3-Dichloropropane	9.08	76	870107	207.84587 ppb	98
66)	Dibromochloromethane	9.31	129	608633	214.74199 ppb	98
67)	Chlorobenzene	9.92	112	1699824	206.46256 ppb	99
68)	Ethylbenzene	10.04	91	2681592	229.86378 ppb	100
69)	Bromoform	10.73	173	438852	227.27176 ppb	100
71)	Isopropylbenzene	10.92	105	2425641	223.52653 ppb	99
72)	1,1,2,2-Tetrachloroethane	11.21	83	700483	201.49307 ppb	99
73)	1,2,3-Trichloropropane	11.24	110	198395	196.16858 ppb	96
74)	t-1,4-Dichloro-2-Butene	11.26	53	159538	219.14672 ppb	93
75)	Bromobenzene	11.21	156	832502	199.76626 ppb	99
76)	n-Propylbenzene	11.33	91	3205095	225.06331 ppb	99
77)	4-Ethyltoluene	11.45	105	1924470	226.79696 ppb	99
78)	2-Chlorotoluene	11.41	91	2232962	212.23791 ppb	99
79)	1,3,5-Trimethylbenzene	11.51	105	2399843	229.40758 ppb	100
80)	4-Chlorotoluene	11.51	91	2408151	214.37801 ppb	100
81)	Tert-Butylbenzene	11.83	119	1968056	234.63364 ppb	99
82)	1,2,4-Trimethylbenzene	11.88	105	2498082	232.86639 ppb	100
83)	Sec-Butylbenzene	12.05	105	2883960	233.18514 ppb	99
84)	p-Isopropyltoluene	12.20	119	2548716	239.03670 ppb	99
85)	Benzyl Chloride	12.37	91	1023670	247.30539 ppb	99
86)	1,3-DCB	12.15	146	1615039	199.70837 ppb	100
87)	1,4-DCB	12.24	146	1649711	195.71502 ppb	99
88)	n-Butylbenzene	12.61	91	2412952	237.70057 ppb	99
89)	1,2-DCB	12.60	146	1578679	203.88396 ppb	99
90)	Hexachloroethane	12.87	117	431726	210.61088 ppb	98
91)	1,2-Dibromo-3-chloropropan	13.37	157	139901	221.08106 ppb	98
92)	1,2,4-Trichlorobenzene	13.60	180	1299895	209.67312 ppb	99
93)	Hexachlorobutadiene	14.40	225	628598	211.84941 ppb	99
94)	Naphthalene	14.45	128	2292619	202.65255 ppb	100
95)	1,2,3-Trichlorobenzene	14.69	180	1121920	219.39102 ppb	97

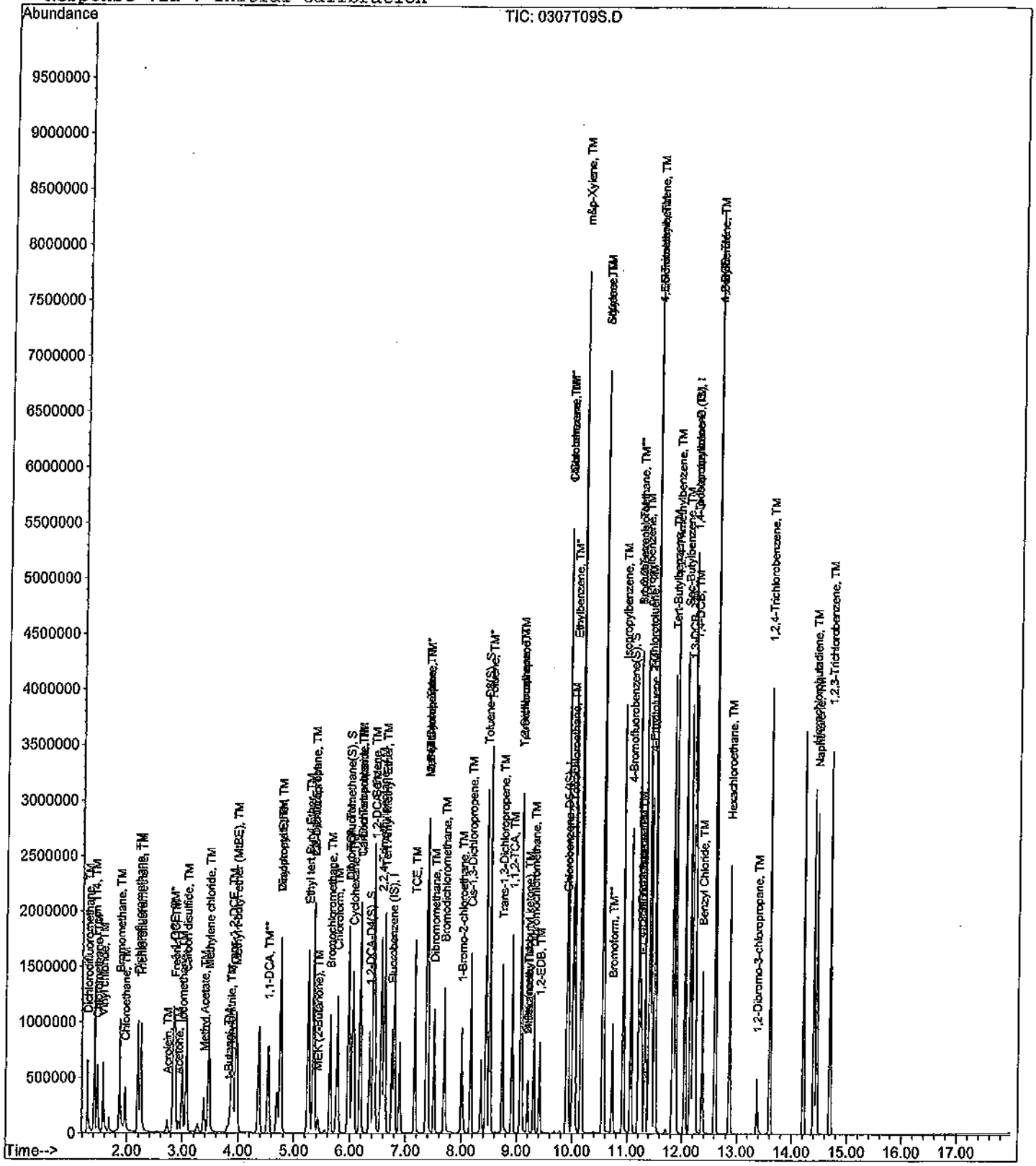
(#) = qualifier out of range (m) = manual integration

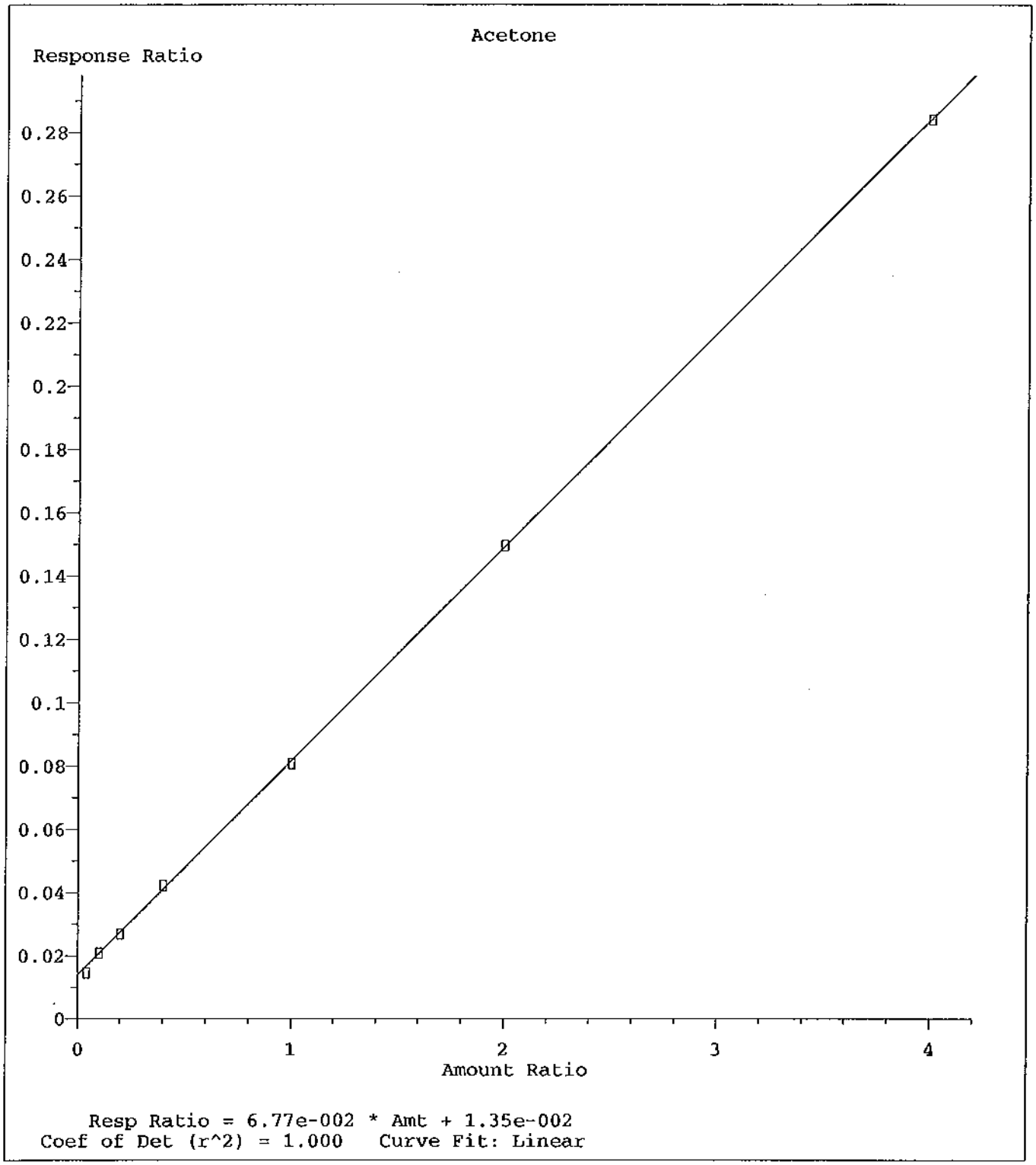
Quantitation Report

Data File : M:\THOR\DATA\T120307\0307T09S.D Vial: 9
Acq On : 7 Mar 12 12:02 Operator: DG,RS,HW,ARS,SV
Sample : 200ug/kg Vol Std 03-06-12 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

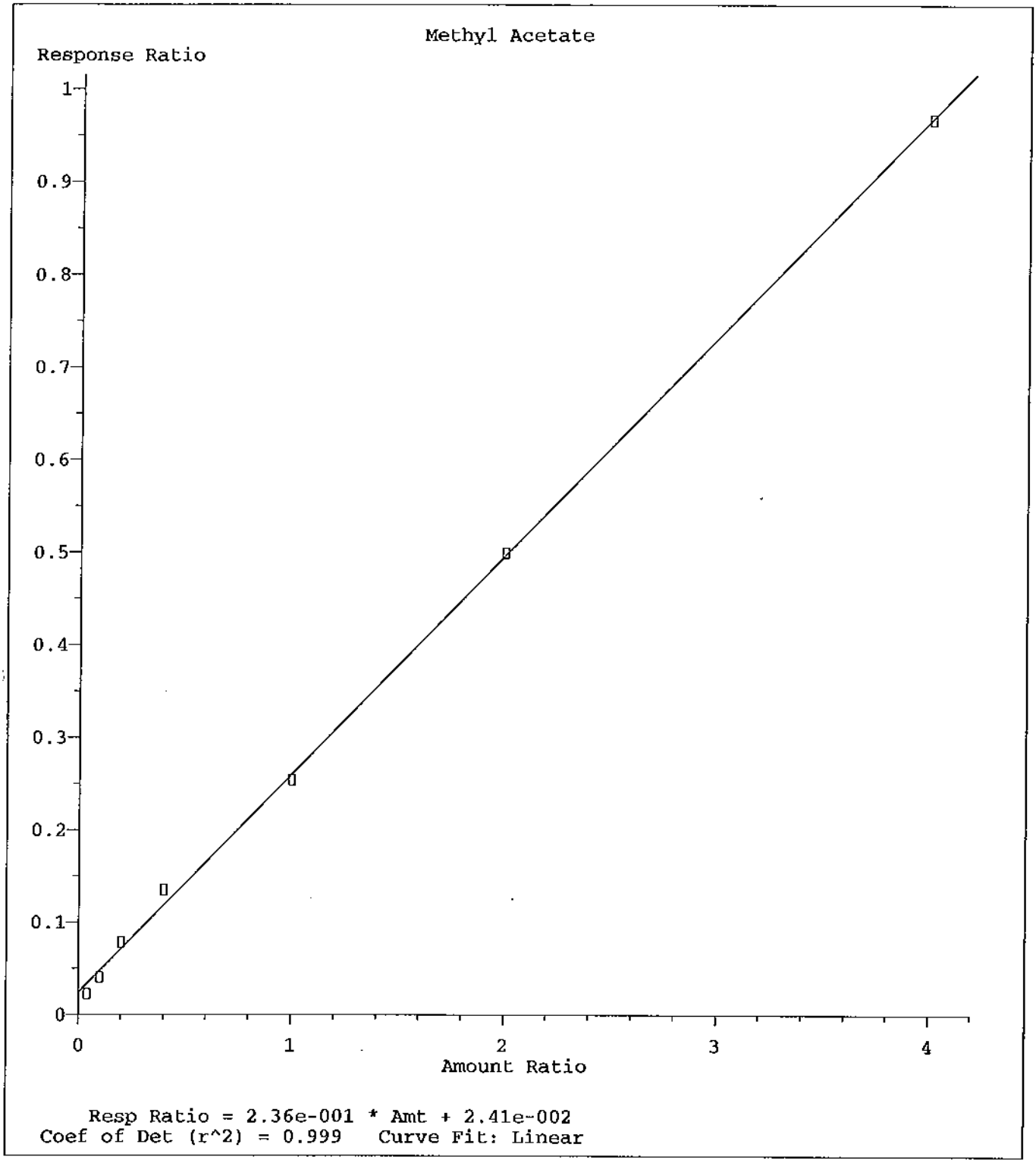
Quant Time: Mar 7 14:06 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration

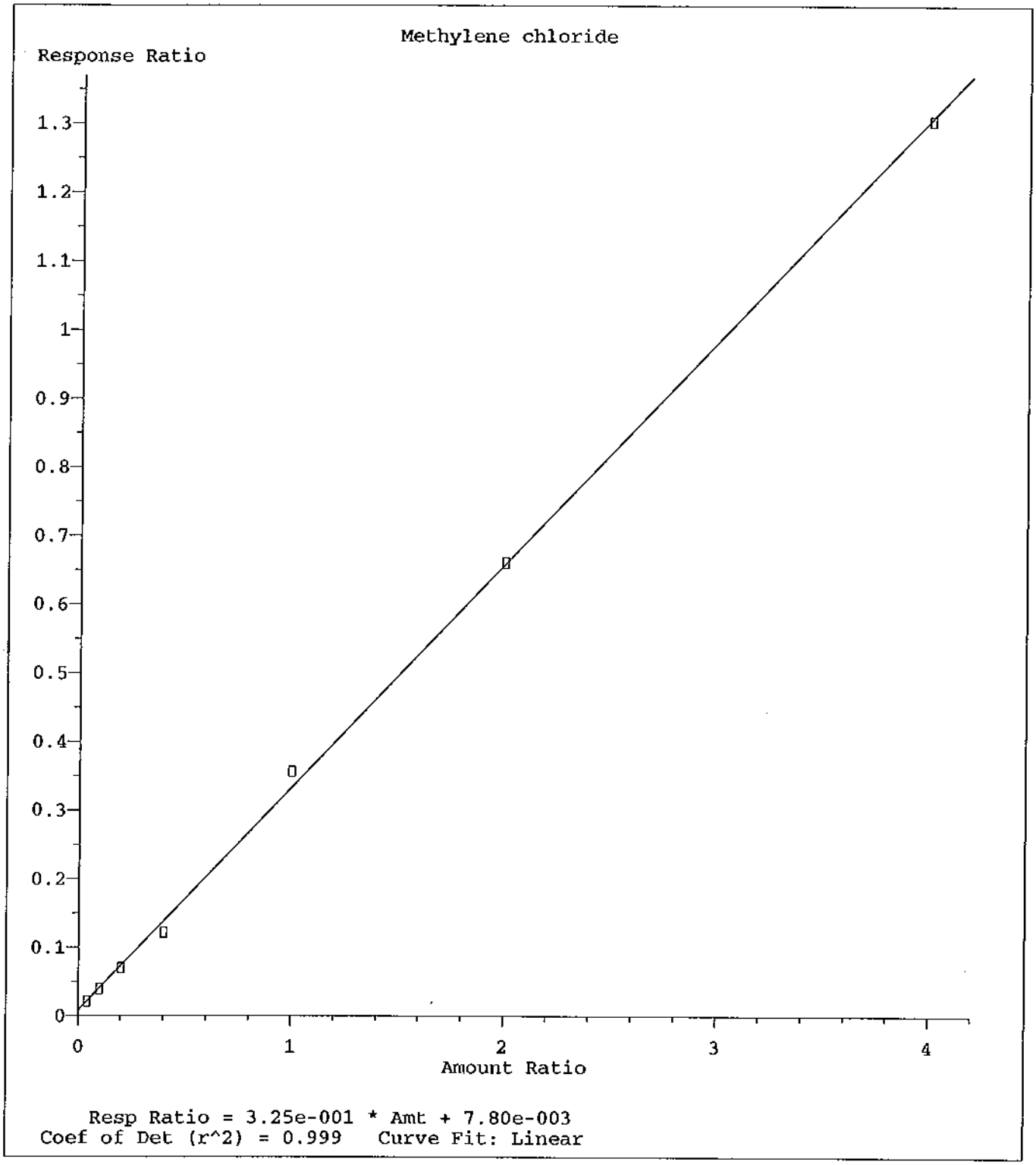




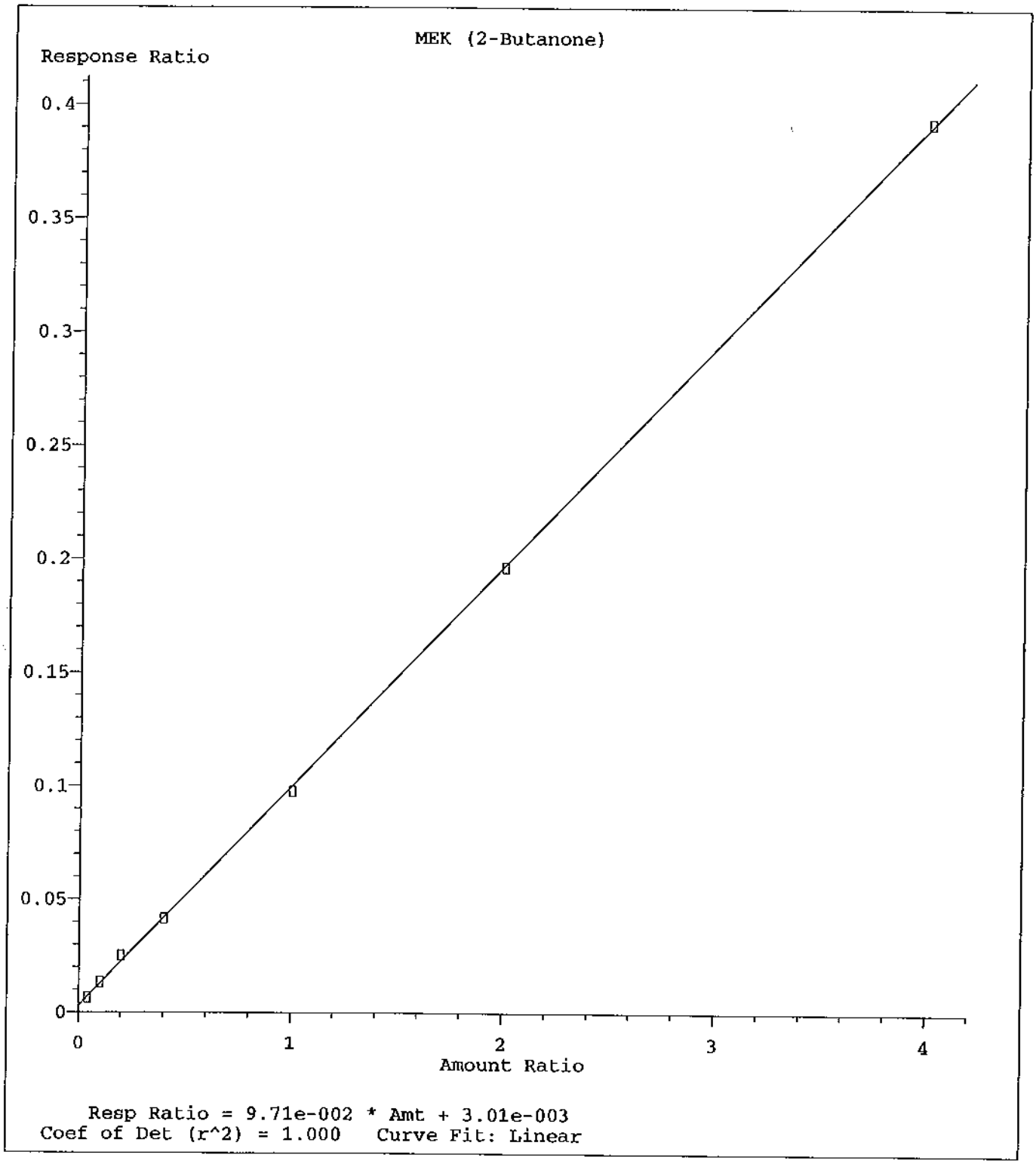
Method Name: M:\THOR\DATA\T120307\TALLS.M
Calibration Table Last Updated: Wed Mar 07 14:10:30 2012



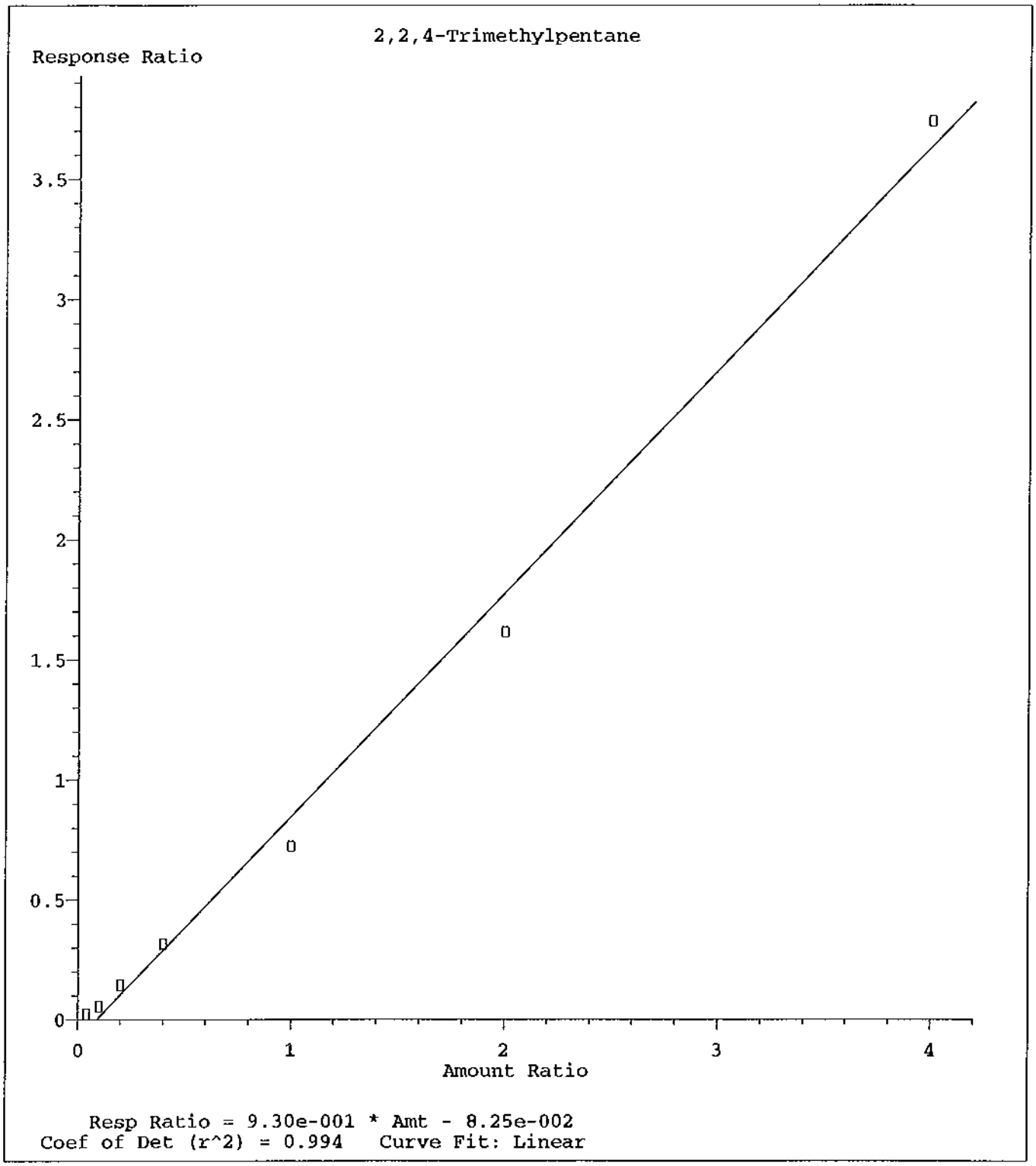
Method Name: M:\THOR\DATA\T120307\TALLS.M
Calibration Table Last Updated: Wed Mar 07 14:10:30 2012



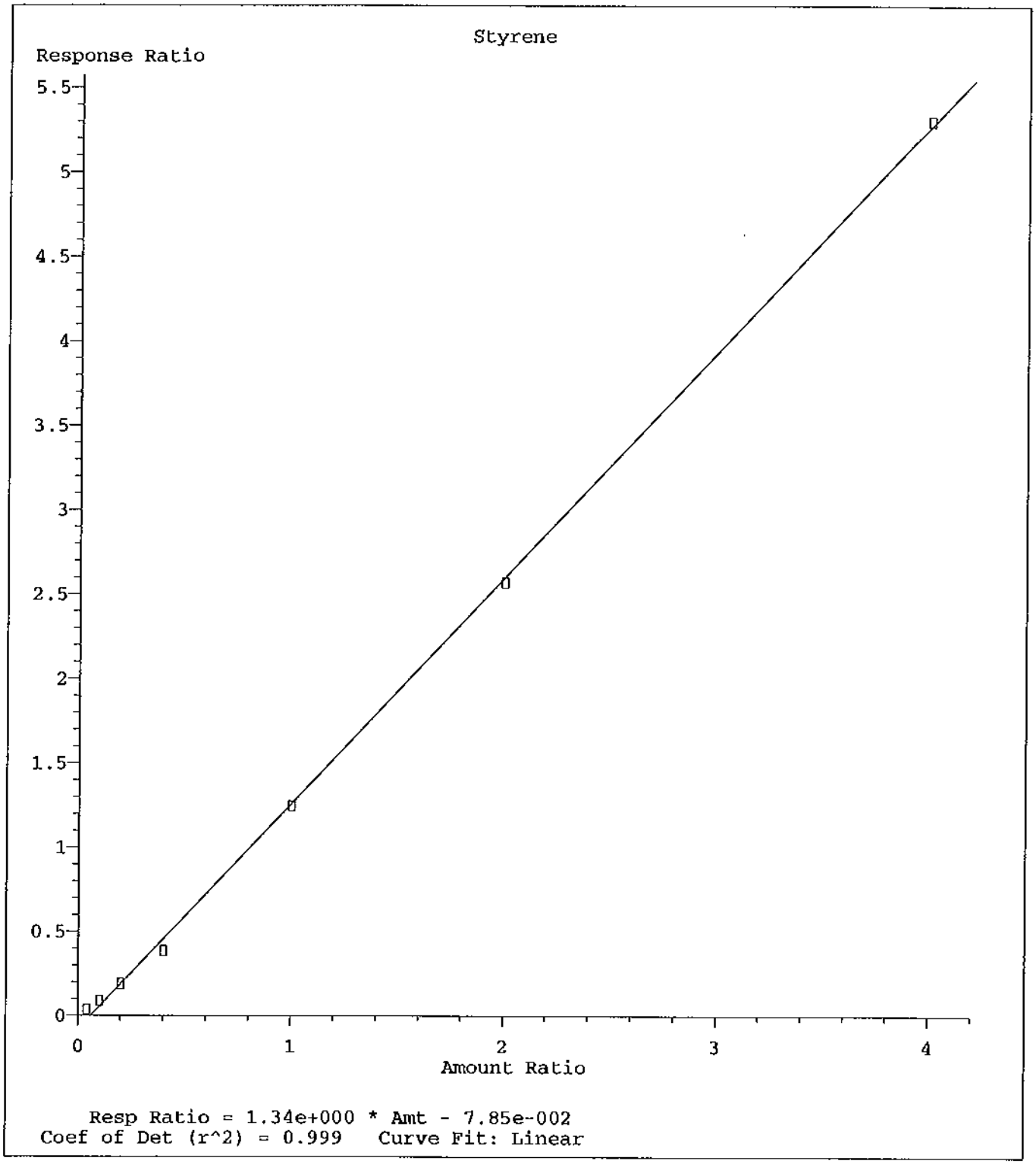
Method Name: M:\THOR\DATA\T120307\TALLS.M
Calibration Table Last Updated: Wed Mar 07 14:10:30 2012



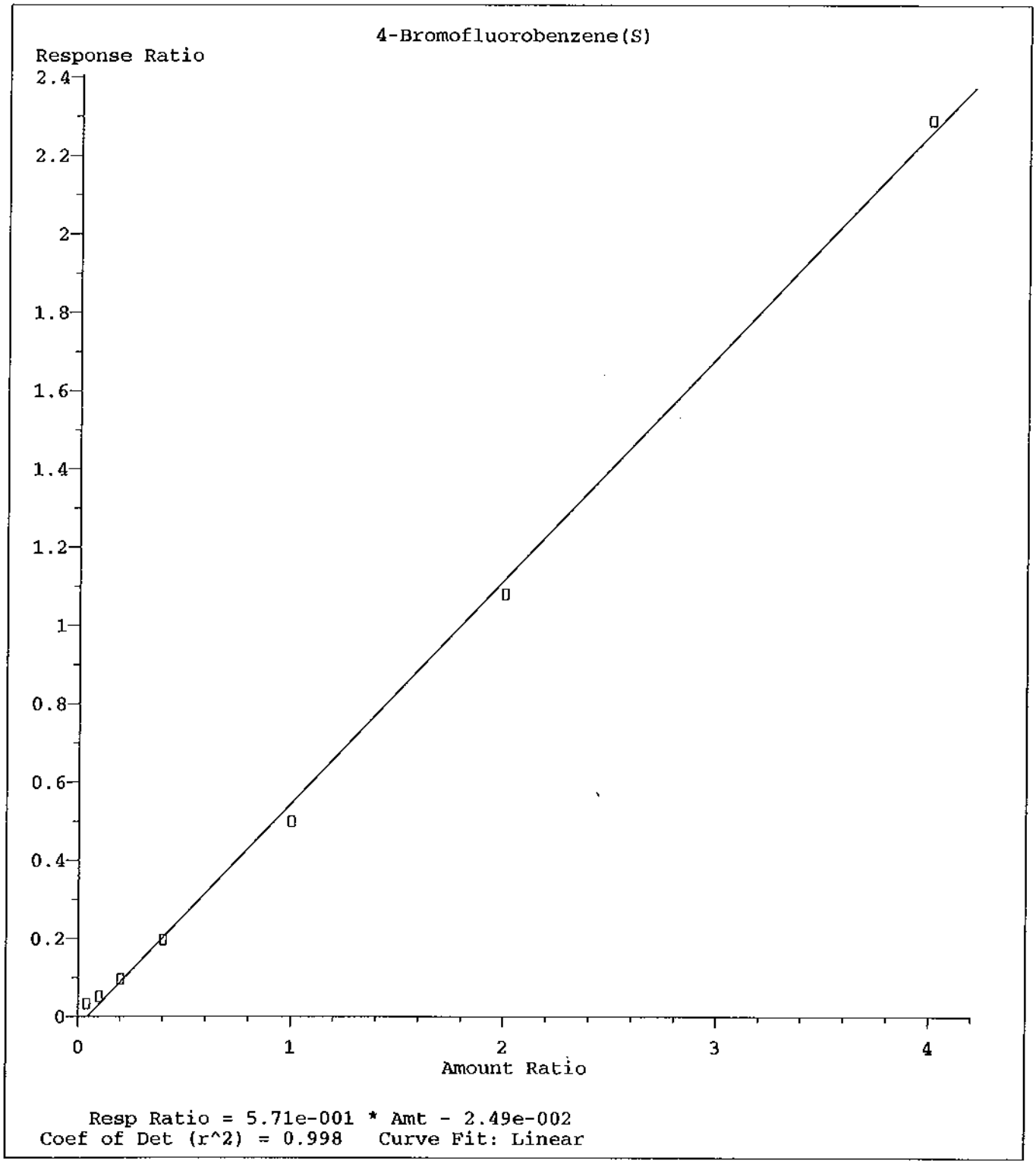
Method Name: M:\THOR\DATA\T120307\TALLS.M
Calibration Table Last Updated: Wed Mar 07 14:10:30 2012



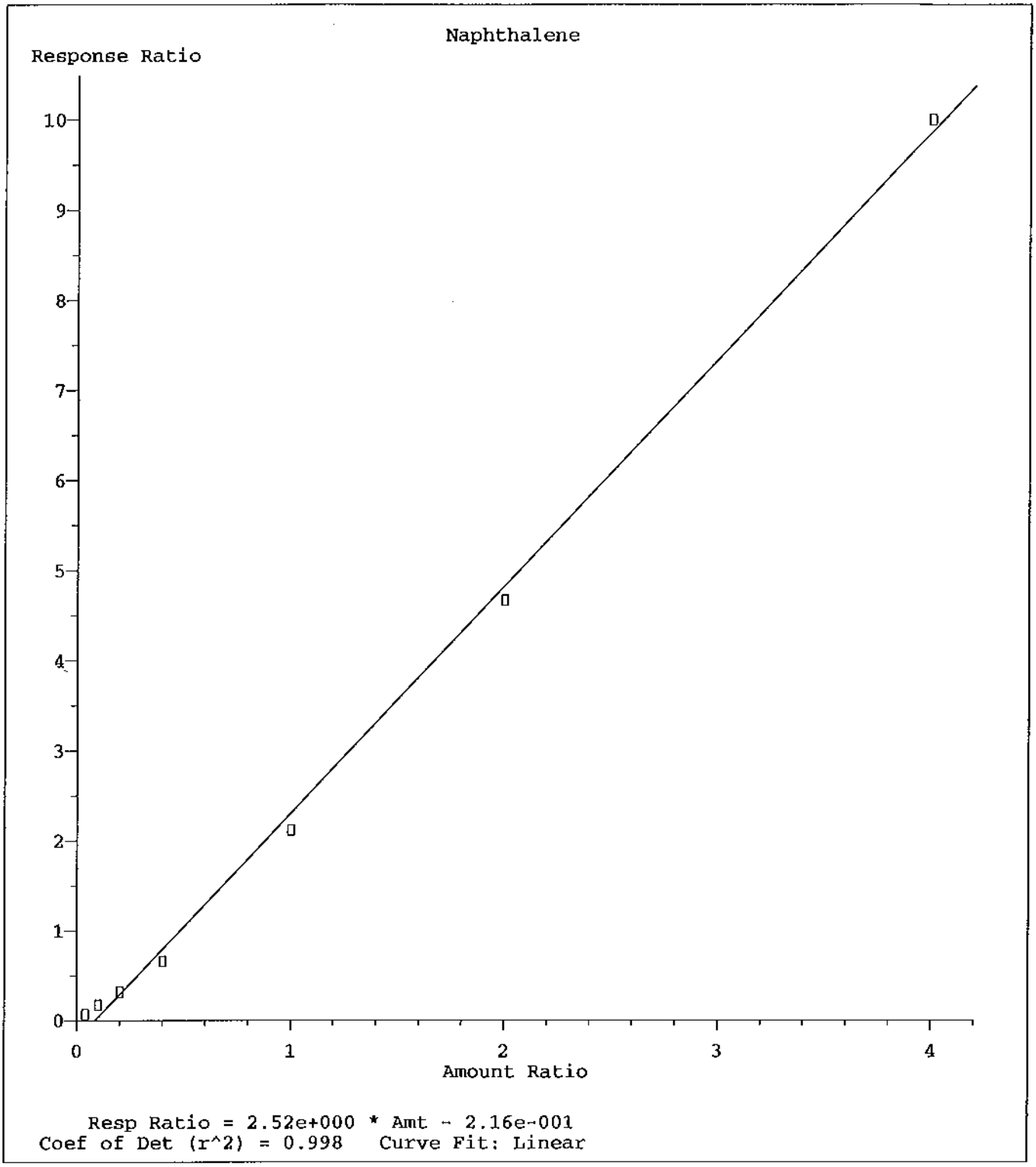
Method Name: M:\THOR\DATA\T120307\TALLS.M
Calibration Table Last Updated: Wed Mar 07 14:10:30 2012



Method Name: M:\THOR\DATA\T120307\TALLS.M
Calibration Table Last Updated: Wed Mar 07 14:10:30 2012



Method Name: M:\THOR\DATA\T120307\TALLS.M
Calibration Table Last Updated: Wed Mar 07 14:10:30 2012



Method Name: M:\THOR\DATA\T120307\TALLS.M
Calibration Table Last Updated: Wed Mar 07 14:10:30 2012

Data File : M:\THOR\DATA\T120307\0307T12S.D Vial: 12
Acq On : 7 Mar 12 13:08 Operator: DG,RS,HW,ARS,SV
Sample : 50ug/kg Vol Std 03-06-12 (SS) Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:10 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	452288	50.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	358464	50.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.21	152	208960	50.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.97	111	215811	77.14317 ppb	0.00
Spiked Amount 74.267			Recovery = 103.873%		
36) 1,2-DCA-D4(S)	6.35	65	215744	67.31255 ppb	0.00
Spiked Amount 65.341			Recovery = 103.018%		
56) Toluene-D8(S)	8.45	98	789540	87.90434 ppb	0.00
Spiked Amount 83.313			Recovery = 105.510%		
64) 4-Bromofluorobenzene(S)	11.06	95	295484	74.32680 ppb	0.00
Spiked Amount 77.736			Recovery = 95.614%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.29	85	78963	39.98804 ppb	98
3) Freon 114	1.41	85	62562	38.09180 ppb	93
4) Chloromethane	1.46	50	130908	44.04567 ppb	100
5) Vinyl chloride	1.56	62	81264	41.82342 ppb	100
6) Bromomethane	1.86	96	97108	44.34768 ppb	97
7) Chloroethane	1.97	49	11238	41.10962 ppb	96
8) Dichlorofluoromethane	2.19	67	230763	48.86004 ppb	100
9) Trichlorofluoromethane	2.25	101	126592	41.08830 ppb	98
10) Acrolein	2.72	56	35288	245.10765 ppb	100
11) Acetone	2.92	43	37374	51.05256 ppb	100
12) Freon-113	2.86	101	76812	40.36519 ppb	96
13) 1,1-DCE	2.83	96	86679	45.99440 ppb	92
14) t-Butanol	3.78	59	57068	244.20279 ppb	94
15) Methyl Acetate	3.38	43	122720	52.33818 ppb	100
16) Iodomethane	2.99	142	173001	54.13188 ppb	98
17) Acrylonitrile	3.85	53	43851	51.55300 ppb	99
18) Methylene chloride	3.47	84	168244	55.96260 ppb	98
19) Carbon disulfide	3.07	76	313795	45.68119 ppb	100
20) Methyl t-butyl ether (MtBE	3.96	73	389115	55.84631 ppb	100
21) Trans-1,2-DCE	3.89	96	121154	49.29484 ppb	97
22) Diisopropyl Ether	4.75	45	427365	54.12608 ppb	100
23) 1,1-DCA	4.53	63	223219	51.57445 ppb	98
24) Vinyl Acetate	4.75	87	118573	54.33567 ppb	98
25) Ethyl tert Butyl Ether	5.25	59	369796	55.48475 ppb	97
26) MEK (2-Butanone)	5.42	43	48750	53.92390 ppb	91
27) Cis-1,2-DCE	5.35	96	155793	50.92332 ppb	99
28) 2,2-Dichloropropane	5.34	77	137864	46.31811 ppb	99
29) Chloroform	5.78	83	247426	51.86222 ppb	100
30) Bromochloromethane	5.64	128	85757	53.98655 ppb	96
32) 1,1,1-TCA	5.98	97	153421	48.99814 ppb	96
33) Cyclohexane	6.05	41	66528	41.54855 ppb	99
34) 1,1-Dichloropropene	6.19	75	127356	47.96240 ppb	99
35) 2,2,4-Trimethylpentane	6.56	57	288135	38.70300 ppb	99
37) Carbon Tetrachloride	6.18	117	126365	46.85876 ppb	96
38) Tert Amyl Methyl Ether	6.62	73	364476	57.21184 ppb	99
39) 1,2-DCA	6.44	62	202145	52.86147 ppb	100
40) Benzene	6.42	78	521213	51.12882 ppb	99
41) TCE	7.16	95	125765	46.64358 ppb	98
42) 2-Pentanone	7.39	43	416081	257.76632 ppb	98
43) 1,2-Dichloropropane	7.39	63	154410	52.37392 ppb	99
44) Bromodichloromethane	7.69	83	195705	53.38944 ppb	99

$\frac{81264 \times 50}{452288 \times 0.2148} = 41.833$ HW 3/07/12

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

Data File : M:\THOR\DATA\T120307\0307T12S.D Vial: 12
Acq On : 7 Mar 12 13:08 Operator: DG,RS,HW,ARS,SV
Sample : 50ug/kg Vol Std 03-06-12 (SS) Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:10 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

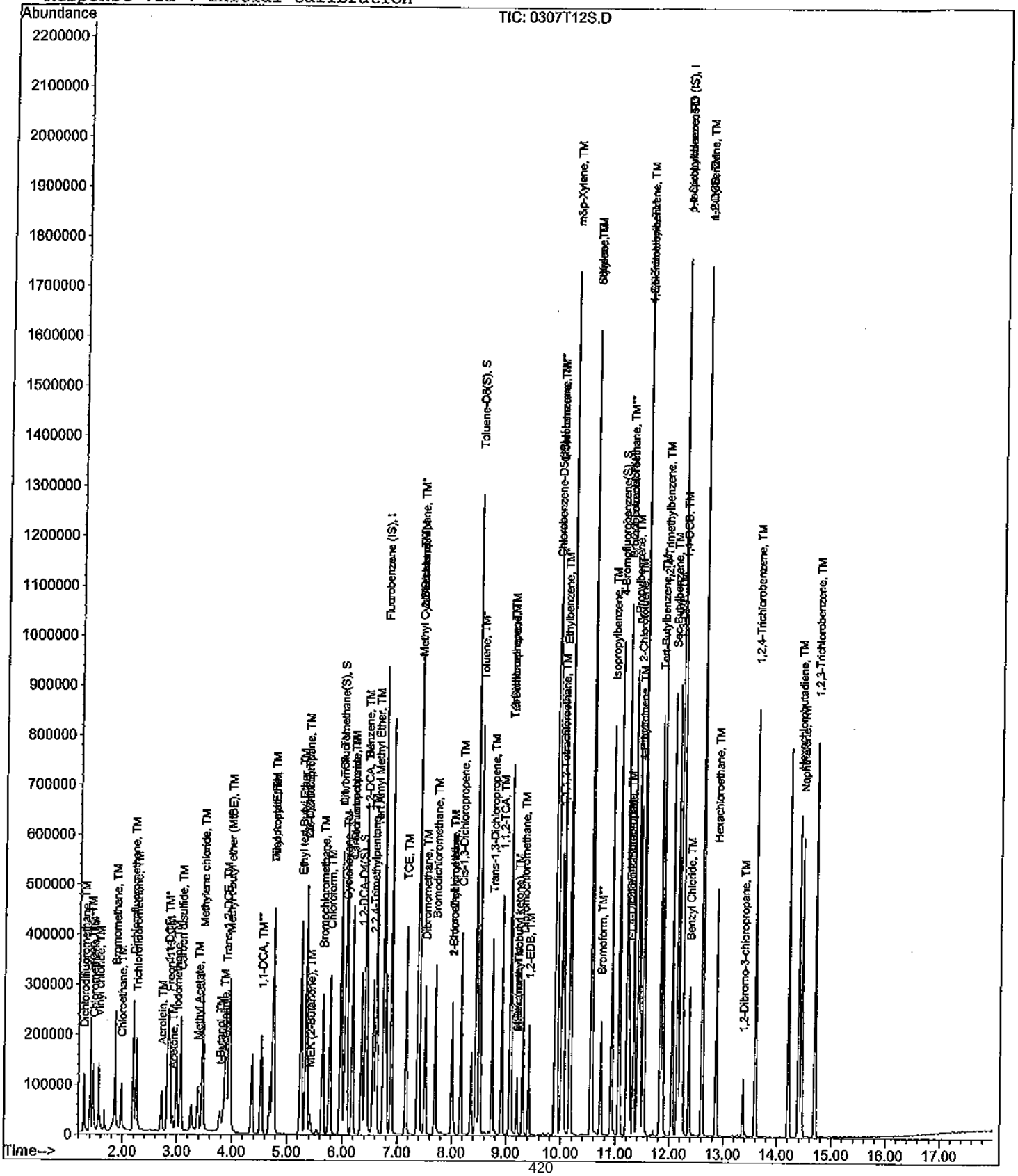
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	Methyl Cyclohexane	7.37	83	124146	42.17696	ppb	99
46)	Dibromomethane	7.51	93	98883	55.32833	ppb	97
47)	2-Chloroethyl vinyl ether	8.01	106	6408	75.56310	ppb	92
48)	MIBK (methyl isobutyl ket	9.20	43	67523	53.64207	ppb	94
49)	1-Bromo-2-chloroethane	8.01	63	122152	56.32398	ppb	99
50)	Cis-1,3-Dichloropropene	8.17	75	210359	53.25963	ppb	98
51)	Toluene	8.51	91	351488	51.49624	ppb	100
52)	Trans-1,3-Dichloropropene	8.74	75	189522	55.58452	ppb	99
53)	1,1,2-TCA	8.92	83	117205	53.59427	ppb	98
54)	2-Hexanone	9.20	43	67523	53.64207	ppb	95
57)	1,2-EDB	9.41	107	139230	58.11875	ppb	100
58)	Tetrachloroethene	9.07	164	103348	47.71791	ppb	94
59)	1-Chlorohexane	9.92	91	123360	45.68957	ppb	98
60)	1,1,1,2-Tetrachloroethane	10.00	131	148246	54.60903	ppb	98
61)	m&p-Xylene	10.16	106	477204	109.65309	ppb	98
62)	o-Xylene	10.55	106	239287	54.73312	ppb	97
63)	Styrene	10.56	104	450677	49.87175	ppb	99
65)	1,3-Dichloropropane	9.08	76	229747	56.33072	ppb	97
66)	Dibromochloromethane	9.31	129	152410	55.19525	ppb	100
67)	Chlorobenzene	9.92	112	413098	51.50118	ppb	99
68)	Ethylbenzene	10.04	91	599656	52.76024	ppb	100
69)	Bromoform	10.73	173	104703	55.65616	ppb	97
71)	Isopropylbenzene	10.92	105	510114	51.58619	ppb	99
72)	1,1,2,2-Tetrachloroethane	11.20	83	176943	55.85467	ppb	100
73)	1,2,3-Trichloropropane	11.24	110	49536	53.75060	ppb	95
74)	t-1,4-Dichloro-2-Butene	11.26	53	37956	57.21566	ppb	98
75)	Bromobenzene	11.21	156	202398	53.29748	ppb	99
76)	n-Propylbenzene	11.33	91	669358	51.58054	ppb	99
77)	4-Ethyltoluene	11.45	105	411825	53.26015	ppb	100
78)	2-Chlorotoluene	11.41	91	511474	53.34931	ppb	100
79)	1,3,5-Trimethylbenzene	11.51	105	518626	54.40550	ppb	100
80)	4-Chlorotoluene	11.51	91	549689	53.70036	ppb	99
81)	Tert-Butylbenzene	11.83	119	394335	51.59193	ppb	98
82)	1,2,4-Trimethylbenzene	11.88	105	542059	55.45112	ppb	99
83)	Sec-Butylbenzene	12.05	105	573700	50.90496	ppb	97
84)	p-Isopropyltoluene	12.20	119	506494	52.12920	ppb	100
85)	Benzyl Chloride	12.37	91	209846	55.63370	ppb	99
86)	1,3-DCB	12.15	146	377628	51.24377	ppb	99
87)	1,4-DCB	12.24	146	387022	50.38666	ppb	98
88)	n-Butylbenzene	12.61	91	465191	50.28940	ppb	98
89)	1,2-DCB	12.60	146	369322	52.34293	ppb	99
90)	Hexachloroethane	12.87	117	86171	46.13148	ppb	98
91)	1,2-Dibromo-3-chloropropan	13.37	157	31649	54.88508	ppb	96
92)	1,2,4-Trichlorobenzene	13.60	180	284719	50.39814	ppb	98
93)	Hexachlorobutadiene	14.40	225	125860	46.54849	ppb	99
94)	Naphthalene	14.45	128	476682	49.54474	ppb	99
95)	1,2,3-Trichlorobenzene	14.69	180	250502	53.75660	ppb	96

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

Data File : M:\THOR\DATA\T120307\0307T12S.D Vial: 12
Acq On : 7 Mar 12 13:08 Operator: DG,RS,HW,ARS,SV
Sample : 50ug/kg Vol Std 03-06-12 (SS) Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 14:10 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration



EPA METHOD 8260B
Volatile Organic Compounds
Raw Data

APPL, INC.

Quantitation Report (QT Reviewed)

Data File : M:\CHICO\DATA\C120224\0229C09W.D Vial: 1
Acq On : 29 Feb 12 18:19 Operator: RS, ARS
Sample : 120229A BLK-1WC Inst : Chico
Misc : Water 10mLw/ IS&S:01-31C/01-03E Multiplr: 1.00

Quant Time: Mar 1 9:04 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 10:38:53 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	12.80	96	623171	25.00000 ppb	-0.01
54) Chlorobenzene-D5 (IS)	17.98	117	509312	25.00000 ppb	-0.01
70) 1,4-Dichlorobenzene-D (IS)	22.18	152	279360	25.00000 ppb	-0.01
System Monitoring Compounds					
32) Dibromofluoromethane(S)	11.39	111	426389	21.13883 ppb	-0.01
Spiked Amount 22.609			Recovery =	93.497%	
37) 1,2-DCA-D4(S)	12.19	65	327915	19.72155 ppb	-0.01
Spiked Amount 21.606			Recovery =	91.281%	
55) Toluene-D8(S)	15.46	98	1620706	23.59435 ppb	-0.01
Spiked Amount 24.195			Recovery =	97.515%	
63) 4-Bromofluorobenzene(S)	20.05	95	633337	23.32286 ppb	-0.01
Spiked Amount 23.751			Recovery =	98.199%	

Target Compounds Qvalue

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

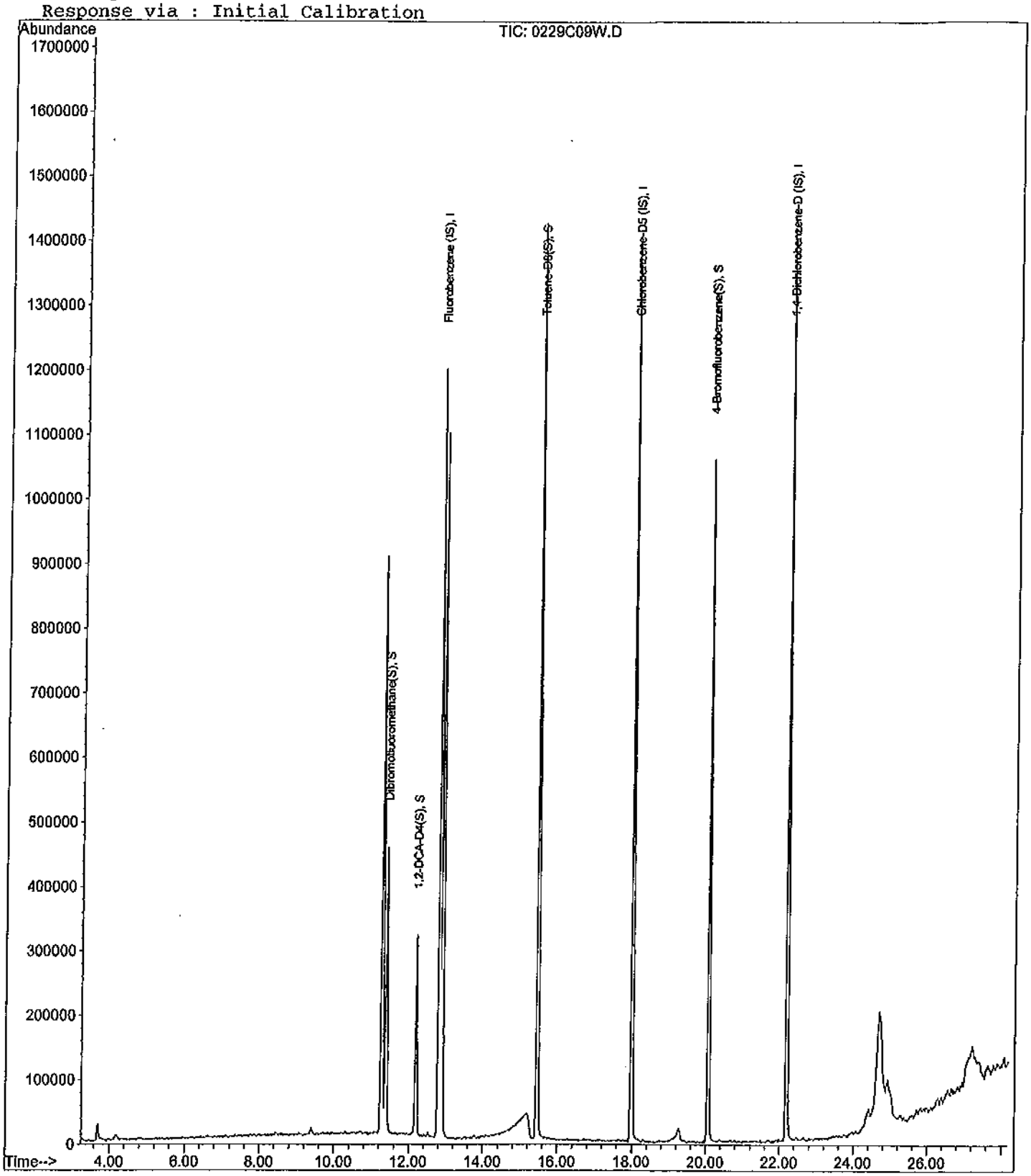
Quantitation Report

Data File : M:\CHICO\DATA\C120224\0229C09W.D
Acq On : 29 Feb 12 18:19
Sample : 120229A BLK-1WC
Misc : Water 10mLw/ IS&S:01-31C/01-03E

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Mar 1 9:04 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Thu Mar 01 08:58:02 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120229\0229N30S.D Vial: 1
Acq On : 1 Mar 12 5:14 Operator: SV,DG,RS
Sample : 120229A BLK-1SN Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 1 13:02 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Mar 01 11:56:34 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.25	96	355968	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.42	117	265024	50.00000 ppb	0.00
67) 1,4-Dichlorobenzene-D (IS)	22.61	152	113824	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.84	111	297204	44.06130 ppb	-0.02
Spiked Amount 41.312			Recovery = 106.655%		
34) 1,2-DCA-D4(S)	12.64	65	304430	42.57737 ppb	-0.02
Spiked Amount 41.649			Recovery = 102.229%		
52) Toluene-D8(S)	15.89	98	863295	36.07774 ppb	0.00
Spiked Amount 35.274			Recovery = 102.278%		
60) 4-Bromofluorobenzene(S)	20.48	95	290207	36.23200 ppb	0.00
Spiked Amount 35.584			Recovery = 101.822%		

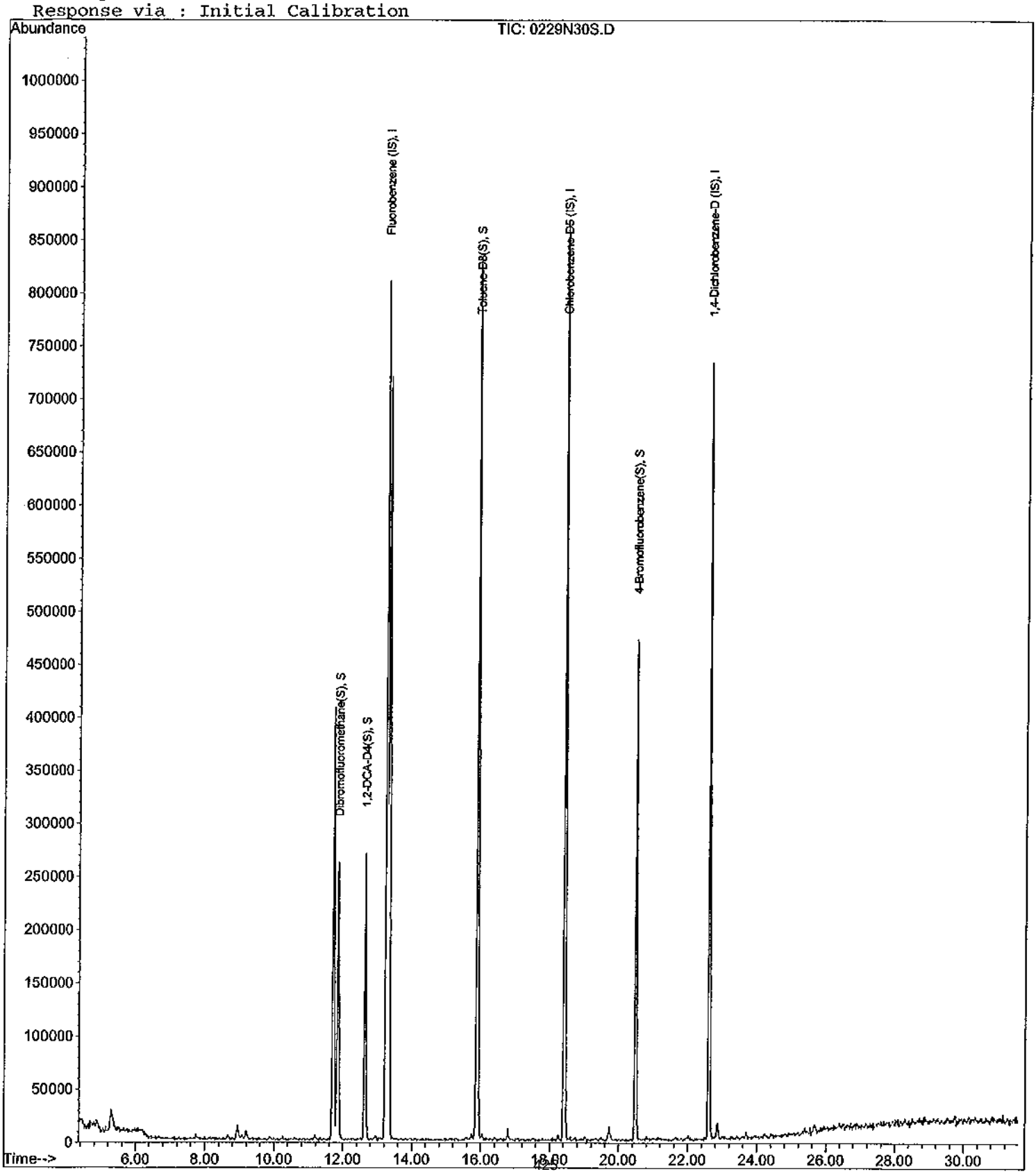
Target Compounds Qvalue

Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N30S.D Vial: 1
Acq On : 1 Mar 12 5:14 Operator: SV,DG,RS
Sample : 120229A BLK-1SN Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 1 13:02 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Mar 01 11:56:34 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120305\0305N19S.D
Acq On : 5 Mar 12 22:19
Sample : 120305A BLK-1SN
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 10:06 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.29	96	326784	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.45	117	216448	50.00000 ppb	-0.01
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	97616	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.88	111	238379	37.64536 ppb	0.00
Spiked Amount 41.312			Recovery = 91.125%		
34) 1,2-DCA-D4(S)	12.68	65	260844	37.97711 ppb	0.00
Spiked Amount 41.649			Recovery = 91.185%		
52) Toluene-D8(S)	15.93	98	707482	37.81696 ppb	0.00
Spiked Amount 35.274			Recovery = 107.208%		
60) 4-Bromofluorobenzene(S)	20.52	95	244327	36.78762 ppb	0.00
Spiked Amount 35.584			Recovery = 103.385%		
Target Compounds					Qvalue
17) Methylene chloride	8.98	86	9258	1.49648 ppb /	81
57) m&p-Xylene	18.77	106	3656	0.43758 ppb /	79

< RL
< RL
HW 3/9/12

(#) = qualifier out of range (m) = manual integration
0305N19S.D NALLS.M Fri Mar 09 10:09:14 2012

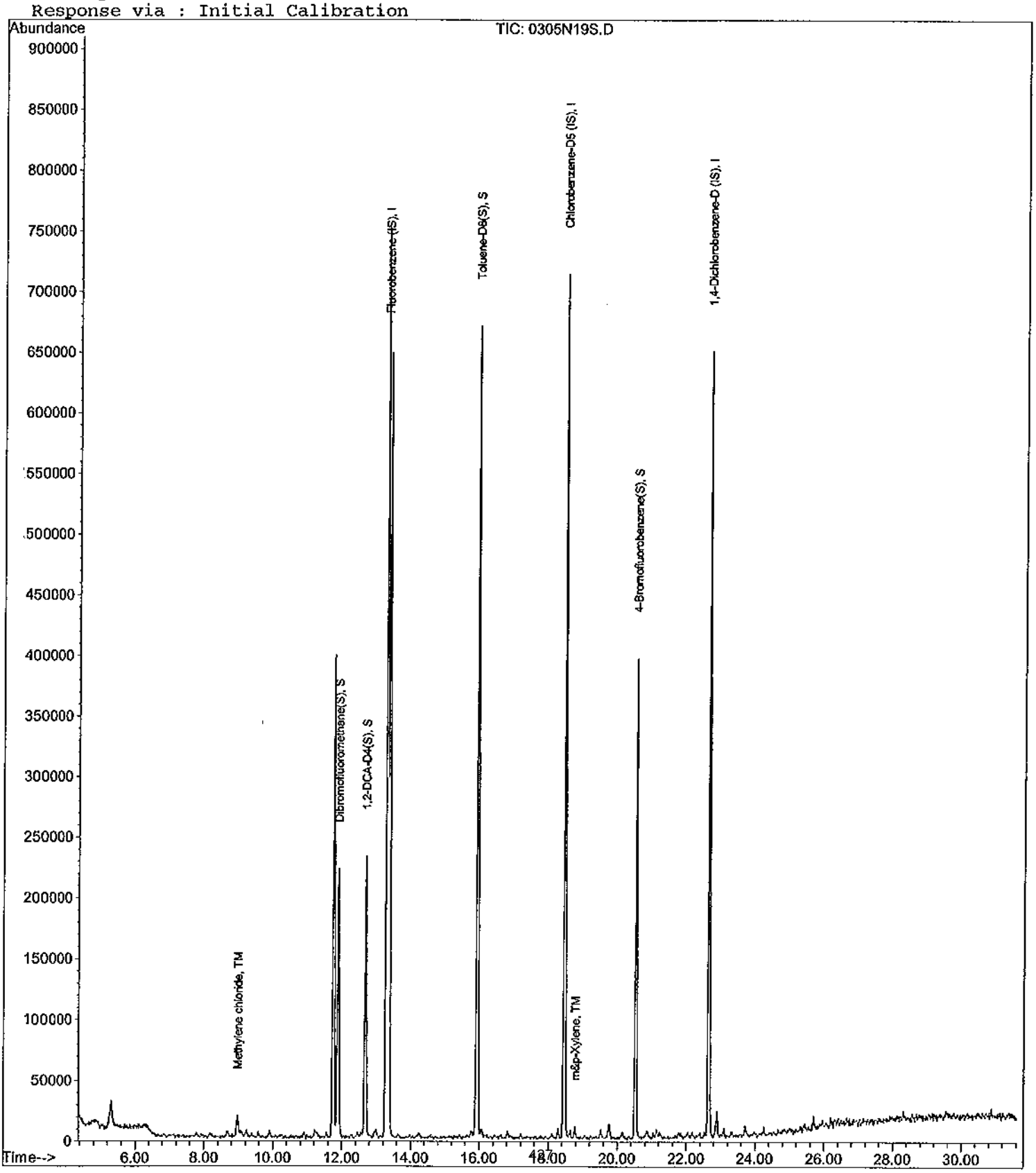
Quantitation Report

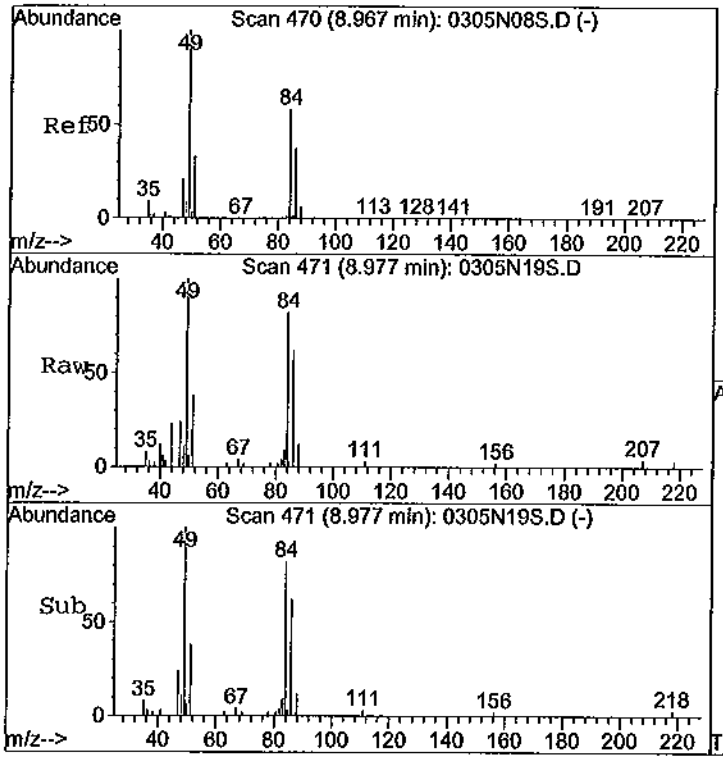
Data File : M:\NEO\DATA\N120305\0305N19S.D
Acq On : 5 Mar 12 22:19
Sample : 120305A BLK-1SN
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 10:06 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration

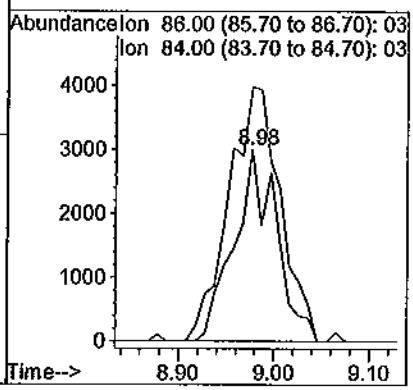


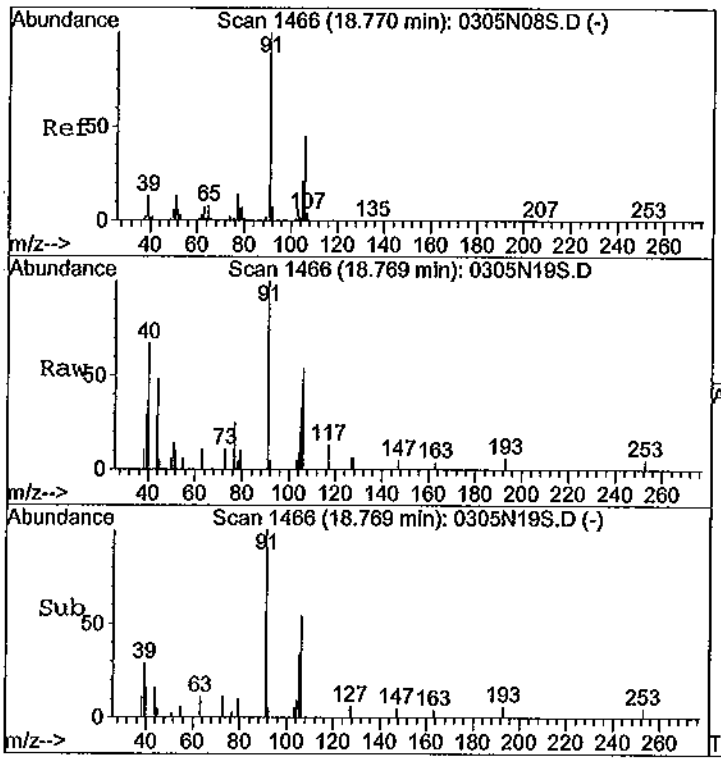


#17
Methylene chloride
Concen: 1.49648 ppb
RT: 8.98 min Scan# 471
Delta R.T. 0.01 min
Lab File: 0305N19S.D
Acq: 5 Mar 12 22:19

Tgt Ion: 86 Resp: 9258

Ion	Ratio	Lower	Upper
86	100		
84	132.4	125.5	188.3

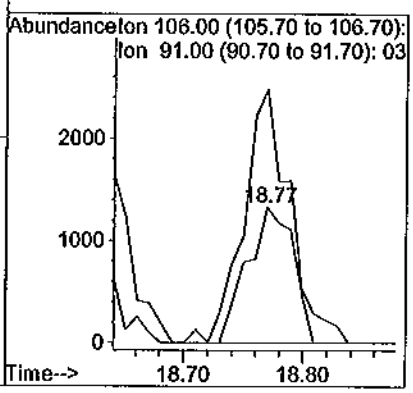




#57
m&p-Xylene
Concen: 0.43758 ppb
RT: 18.77 min Scan# 1466
Delta R.T. -0.00 min
Lab File: 0305N19S.D
Acq: 5 Mar 12 22:19

Tgt Ion:106 Resp: 3656

Ion	Ratio	Lower	Upper
106	100		
91	186.5	154.7	287.3



Data File : M:\THOR\DATA\T120307\0307T15S.D Vial: 15
Acq On : 7 Mar 12 14:14 Operator: DG,RS,HW,ARS,SV
Sample : 120306A BLK-1ST Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 15:50 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 08 09:48:07 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

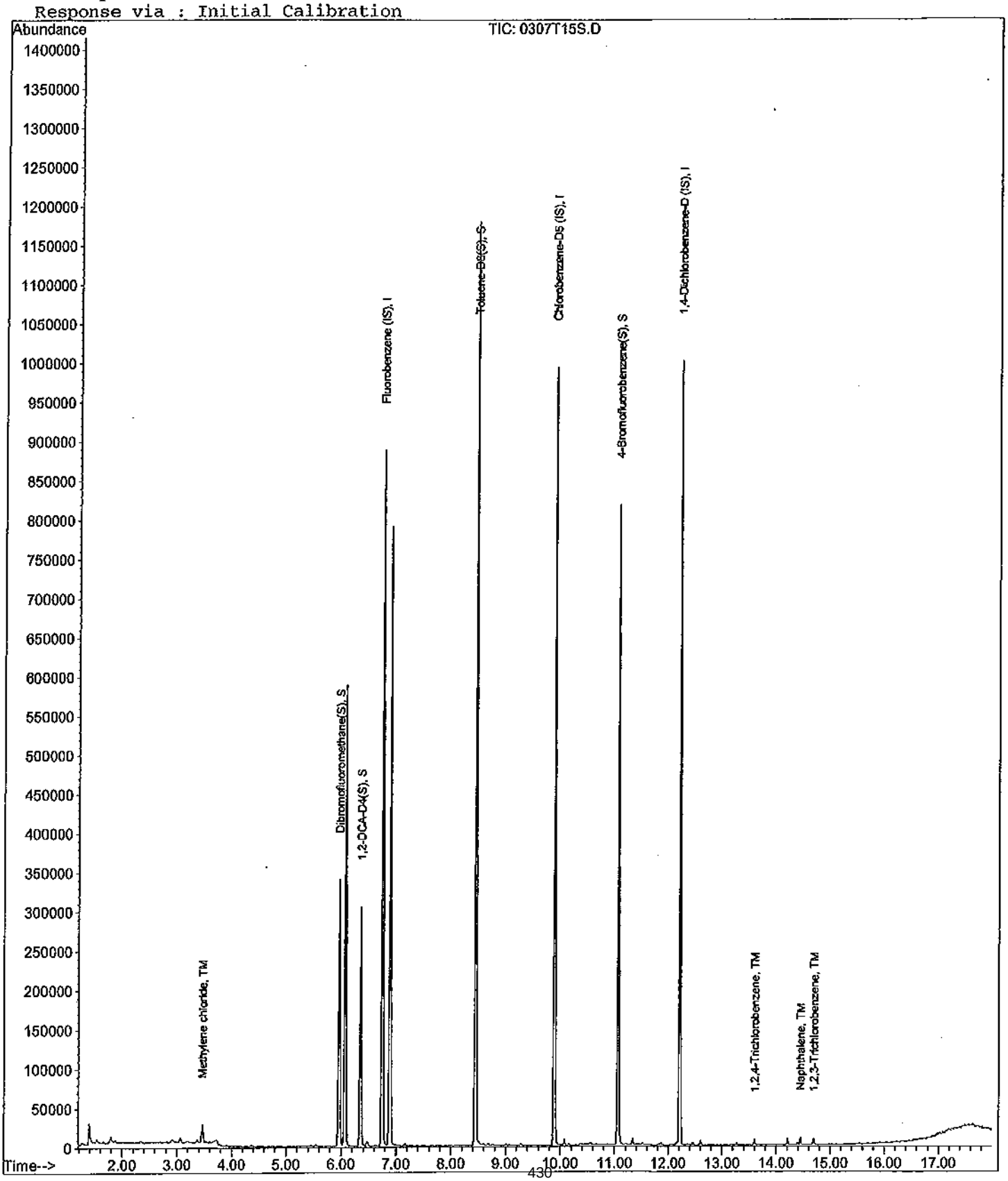
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	428224	50.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	345408	50.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.21	152	176256	50.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.96	111	202774	75.01931 ppb	0.00
Spiked Amount 74.267			Recovery = 101.013%		
36) 1,2-DCA-D4(S)	6.35	65	204557	64.81021 ppb	0.00
Spiked Amount 65.341			Recovery = 99.188%		
56) Toluene-D8(S)	8.45	98	719825	83.33041 ppb	0.00
Spiked Amount 83.313			Recovery = 100.020%		
64) 4-Bromofluorobenzene(S)	11.06	95	248480	70.06510 ppb	0.00
Spiked Amount 77.736			Recovery = 90.132%		
Target Compounds					Qvalue
18) Methylene chloride	3.46	84	11363	2.35402 ppb	95 <RL
92) 1,2,4-Trichlorobenzene	13.60	180	2243	0.57856 ppb	85 <RL
94) Naphthalene	14.45	128	7375	0.94250 ppb	99 <RL
95) 1,2,3-Trichlorobenzene	14.69	180	3132	0.84763 ppb #	88 <RL

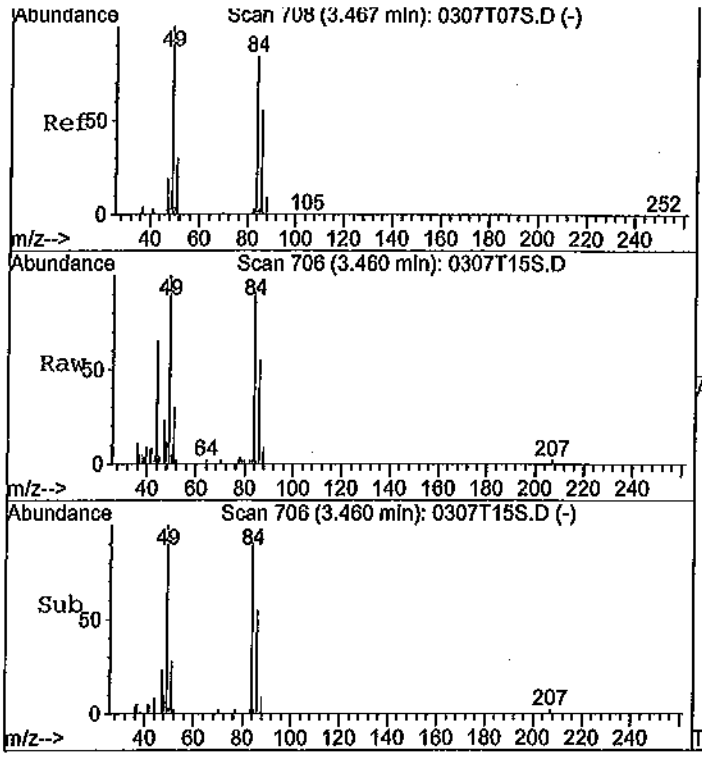
(#) = qualifier out of range (m) = manual integration

Data File : M:\THOR\DATA\T120307\0307T15S.D Vial: 15
Acq On : 7 Mar 12 14:14 Operator: DG,RS,HW,ARS,SV
Sample : 120306A BLK-1ST Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 15:50 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration

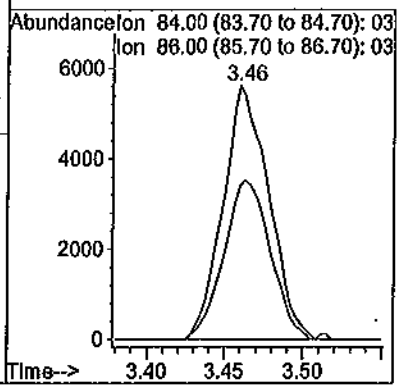


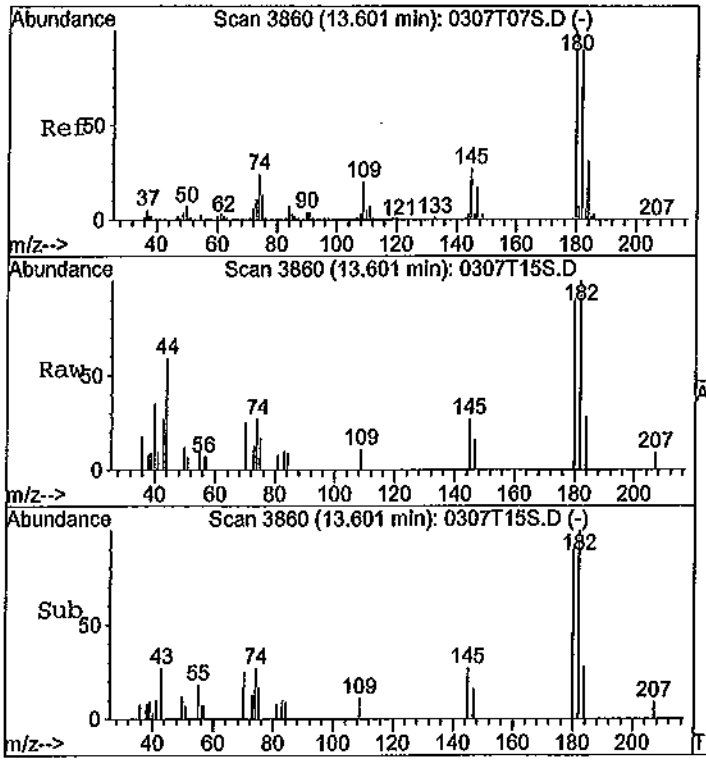


#18
Methylene chloride
Concen: 2.35402 ppb
RT: 3.46 min Scan# 706
Delta R.T. -0.01 min
Lab File: 0307T15S.D
Acq: 7 Mar 12 14:14

Tgt Ion: 84 Resp: 11363

Ion	Ratio	Lower	Upper
84	100		
86	60.7	45.0	83.6

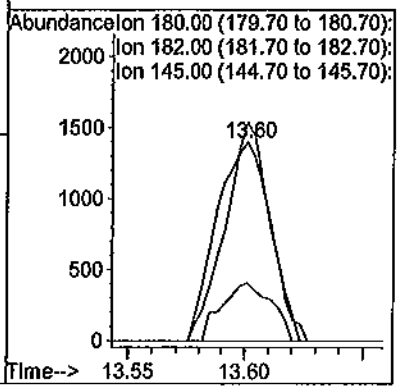


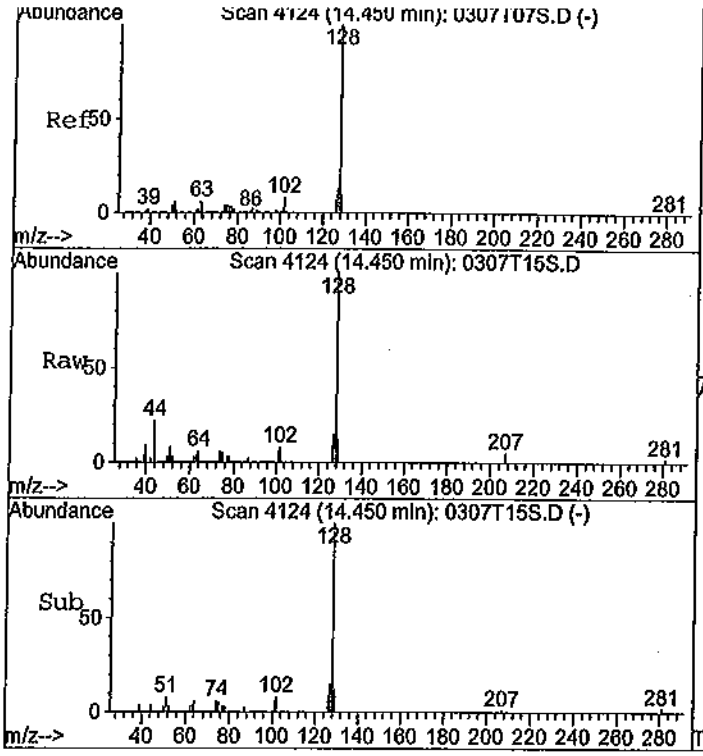


#92
1,2,4-Trichlorobenzene
Concen: 0.57856 ppb
RT: 13.60 min Scan# 3860
Delta R.T. 0.00 min
Lab File: 0307T15S.D
Acq: 7 Mar 12 14:14

Tgt Ion:180 Resp: 2243

Ion	Ratio	Lower	Upper
180	100		
182	109.9	65.0	120.8
145	29.2	18.3	33.9

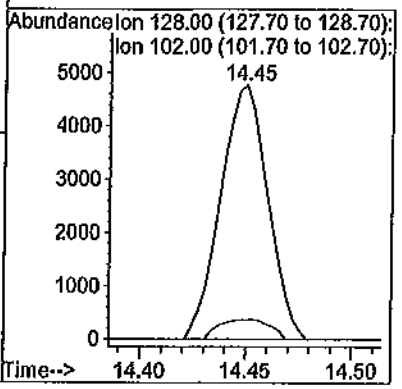


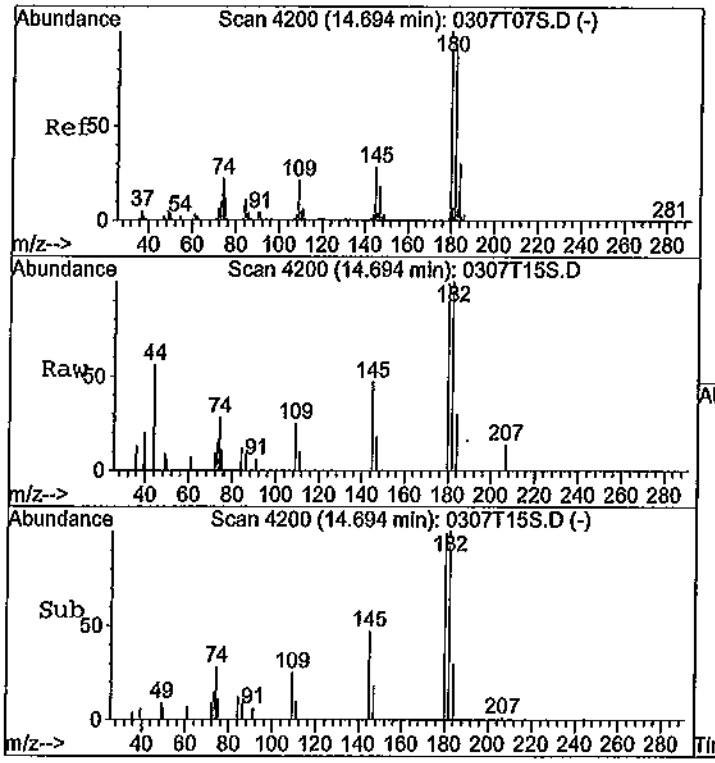


#94
Naphthalene
Concen: 0.94250 ppb
RT: 14.45 min Scan# 4124
Delta R.T. 0.00 min
Lab File: 0307T15S.D
Acq: 7 Mar 12 14:14

Tgt Ion:128 Resp: 7375

Ion	Ratio	Lower	Upper
128	100		
102	7.6	5.5	10.3

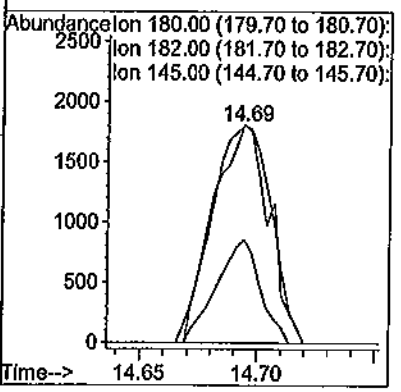




#95
1,2,3-Trichlorobenzene
Concen: 0.84763 ppb
RT: 14.69 min Scan# 4200
Delta R.T. 0.00 min
Lab File: 0307T15S.D
Acq: 7 Mar 12 14:14

Tgt Ion:180 Resp: 3132

Ion	Ratio	Lower	Upper
180	100		
182	100.6	66.8	124.2
145	47.5	21.4	39.7#



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0229C03W.D Vial: 1
Acq On : 29 Feb 12 14:36 Operator: RS, ARS
Sample : 120229A LCS-1WC Inst : Chico
Misc : Water 10mLw/ IS&S:01-31C/01-03E Multiplr: 1.00

Quant Time: Mar 1 8:41 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 10:38:53 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	12.80	96	579961	25.00000 ppb		0.00
54) Chlorobenzene-D5 (IS)	17.99	117	514368	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	22.19	152	281984	25.00000 ppb		0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.39	111	433204	23.07682 ppb		0.00
Spiked Amount 22.609			Recovery = 102.069%			
37) 1,2-DCA-D4(S)	12.18	65	327829	21.18534 ppb		-0.02
Spiked Amount 21.606			Recovery = 98.052%			
55) Toluene-D8(S)	15.45	98	1588372	22.89634 ppb		-0.02
Spiked Amount 24.195			Recovery = 94.630%			
63) 4-Bromofluorobenzene(S)	20.06	95	628508	22.91752 ppb		0.00
Spiked Amount 23.751			Recovery = 96.494%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.09	85	198527	11.08071 ppb		100
3) Freon 114	4.34	85	119116	11.73151 ppb		96
4) Chloromethane	4.57	50	68781	10.92017 ppb		100
5) Vinyl chloride	4.82	62	52280	11.02454 ppb		95
6) Bromomethane	5.72	94	38531	9.60110 ppb		91
7) Chloroethane	5.92	64	37184	10.43403 ppb		97
8) Dichlorofluoromethane	6.00	67	386613	10.41058 ppb		94
9) Trichlorofluoromethane	6.52	103	46616	11.10114 ppb		96
10) Acetonitrile	7.64	41	119655	132.88920 ug/l		100
11) Acrolein	7.14	56	138856	118.35267 ppb		100
12) Acetone	7.26	43	19621	9.72432 ppb		88
13) Freon-113	7.45	101	165962	11.10663 ppb		97
14) 1,1-DCE	7.66	96	160978	9.56672 ppb		96
15) t-Butanol	7.74	59	15467	139.67171 ppb	#	91
16) Methyl Acetate	8.17	43	68825	8.97691 ppb		99
17) Iodomethane	8.14	142	292595	10.60150 ppb		100
18) Acrylonitrile	8.54	53	25818	9.34037 ppb		83
19) Methylene chloride	8.45	84	182023	9.89040 ppb		90
20) Carbon disulfide	8.54	76	139712	9.86531 ppb		98
21) Methyl t-butyl ether (MtBE	8.88	73	322722	9.37029 ppb		95
22) Trans-1,2-DCE	9.07	96	206067	9.75173 ppb		95
23) Diisopropyl Ether	9.73	45	601870	9.66399 ppb		98
24) 1,1-DCA	9.76	63	319421	9.79963 ppb		97
25) Vinyl Acetate	9.40	43	34488	10.41778 ppb		91
26) Ethyl tert Butyl Ether	10.41	59	445576	9.42847 ppb		100
27) MEK (2-Butanone)	10.41	43	19279	8.90700 ppb		93
28) Cis-1,2-DCE	10.78	96	227885	9.90558 ppb		93
29) 2,2-Dichloropropane	10.77	77	258151	10.03664 ppb		96
30) Chloroform	11.06	85	209738	9.61237 ppb		100
31) Bromochloromethane	11.28	128	83198	9.89219 ppb		94
33) 1,1,1-TCA	11.80	97	280332	9.98269 ppb		98
34) Cyclohexane	11.96	56	271508	10.56607 ppb		98
35) 1,1-Dichloropropene	12.07	75	232984	9.69401 ppb		99
36) 2,2,4-Trimethylpentane	12.14	57	474401	11.27347 ppb		99
38) Carbon Tetrachloride	12.25	117	235336	10.17071 ppb		98
39) Tert Amyl Methyl Ether	12.31	73	359078	9.18439 ppb		93
40) 1,2-DCA	12.34	62	163363	9.16602 ppb		100
41) Benzene	12.46	78	732548	9.82186 ppb		99
42) TCE	13.49	95	200476	10.40480 ppb		96

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

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120224\0229C03W.D Vial: 1
Acq On : 29 Feb 12 14:36 Operator: RS, ARS
Sample : 120229A LCS-1WC Inst : Chico
Misc : Water 10mLw/ IS&S:01-31C/01-03E Multiplr: 1.00

Quant Time: Mar 1 8:41 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 10:38:53 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	2-Pentanone	13.16	43	666556	118.89126 ppb		95
44)	1,2-Dichloropropane	13.72	63	179076	9.86648 ppb		97
45)	Bromodichloromethane	14.07	83	213800	9.80415 ppb		95
46)	Methyl Cyclohexane	13.77	83	257733	11.34875 ppb		96
47)	Dibromomethane	14.13	93	90786	10.19221 ppb		95
49)	1-Bromo-2-chloroethane	14.84	63	166438	9.78327 ppb		98
50)	Cis-1,3-Dichloropropene	14.96	75	258509	9.53272 ppb		99
51)	Toluene	15.59	91	793370	10.41679 ppb		98
52)	Trans-1,3-Dichloropropene	15.75	75	186188	9.52041 ppb		96
53)	1,1,2-TCA	16.03	83	89698	9.15785 ppb		98
56)	1,2-EDB	17.28	107	114269	9.04039 ppb	#	95
57)	Tetrachloroethene	16.74	164	188324	9.74966 ppb		97
58)	1-Chlorohexane	17.66	91	279970	9.80977 ppb		95
59)	1,1,1,2-Tetrachloroethane	18.11	131	177934	9.31681 ppb		95
60)	m&p-Xylene	18.31	106	700663	18.98858 ppb		96
61)	o-Xylene	19.05	106	360491	9.92374 ppb		91
62)	Styrene	19.07	104	567228	9.91999 ppb		94
64)	2-Hexanone	16.06	43	45447	8.33506 ppb		92
65)	1,3-Dichloropropane	16.45	76	192147	8.87408 ppb		97
66)	Dibromochloromethane	16.92	129	140161	8.97062 ppb		92
67)	Chlorobenzene	18.06	112	532417	9.65645 ppb		92
68)	Ethylbenzene	18.16	91	898461	9.65247 ppb		98
69)	Bromoform	19.58	173	79424	8.59872 ppb		98
71)	MIBK (methyl isobutyl keto	14.63	43	77016	8.60350 ppb		91
72)	Isopropylbenzene	19.68	105	850153	9.92433 ppb		99
73)	1,1,2,2-Tetrachloroethane	19.85	83	108026	8.81664 ppb		96
74)	1,2,3-Trichloropropane	20.10	110	10182	8.29882 ppb		99
75)	t-1,4-Dichloro-2-Butene	20.17	53	23577	8.27196 ppb		86
76)	Bromobenzene	20.43	156	231942	9.68972 ppb		89
77)	n-Propylbenzene	20.39	91	1013089	9.87976 ppb		99
78)	4-Ethyltoluene	20.58	105	600114	9.79478 ppb		98
79)	2-Chlorotoluene	20.68	91	675156	9.74187 ppb		98
80)	1,3,5-Trimethylbenzene	20.66	105	708155	9.98629 ppb		97
81)	4-Chlorotoluene	20.76	91	583505	9.35631 ppb		98
82)	Tert-Butylbenzene	21.31	119	753100	10.06329 ppb		97
83)	1,2,4-Trimethylbenzene	21.36	105	717798	9.76874 ppb		98
84)	Sec-Butylbenzene	21.69	105	954776	9.95880 ppb		98
85)	p-Isopropyltoluene	21.94	119	786837	10.06749 ppb		99
86)	Benzyl Chloride	22.37	91	187701	8.98401 ppb		95
87)	1,3-DCB	22.07	146	446784	9.96313 ppb		99
88)	1,4-DCB	22.25	146	419786	9.67386 ppb		96
89)	Hexachloroethane	23.55	117	159426	10.66753 ppb		97
90)	n-Butylbenzene	22.64	91	678308	9.98265 ppb		96
91)	1,2-DCB	22.87	146	391358	9.76540 ppb		92
92)	1,2-Dibromo-3-chloropropan	24.09	155	16904	8.05716 ppb		95
93)	1,2,4-Trichlorobenzene	25.53	180	125768	10.12524 ppb		98
94)	Hexachlorobutadiene	25.79	223	113800	9.32118 ppb		96
95)	Naphthalene	25.88	128	398243	8.86106 ppb		97
96)	1,2,3-Trichlorobenzene	26.25	180	103368	9.76164 ppb		97

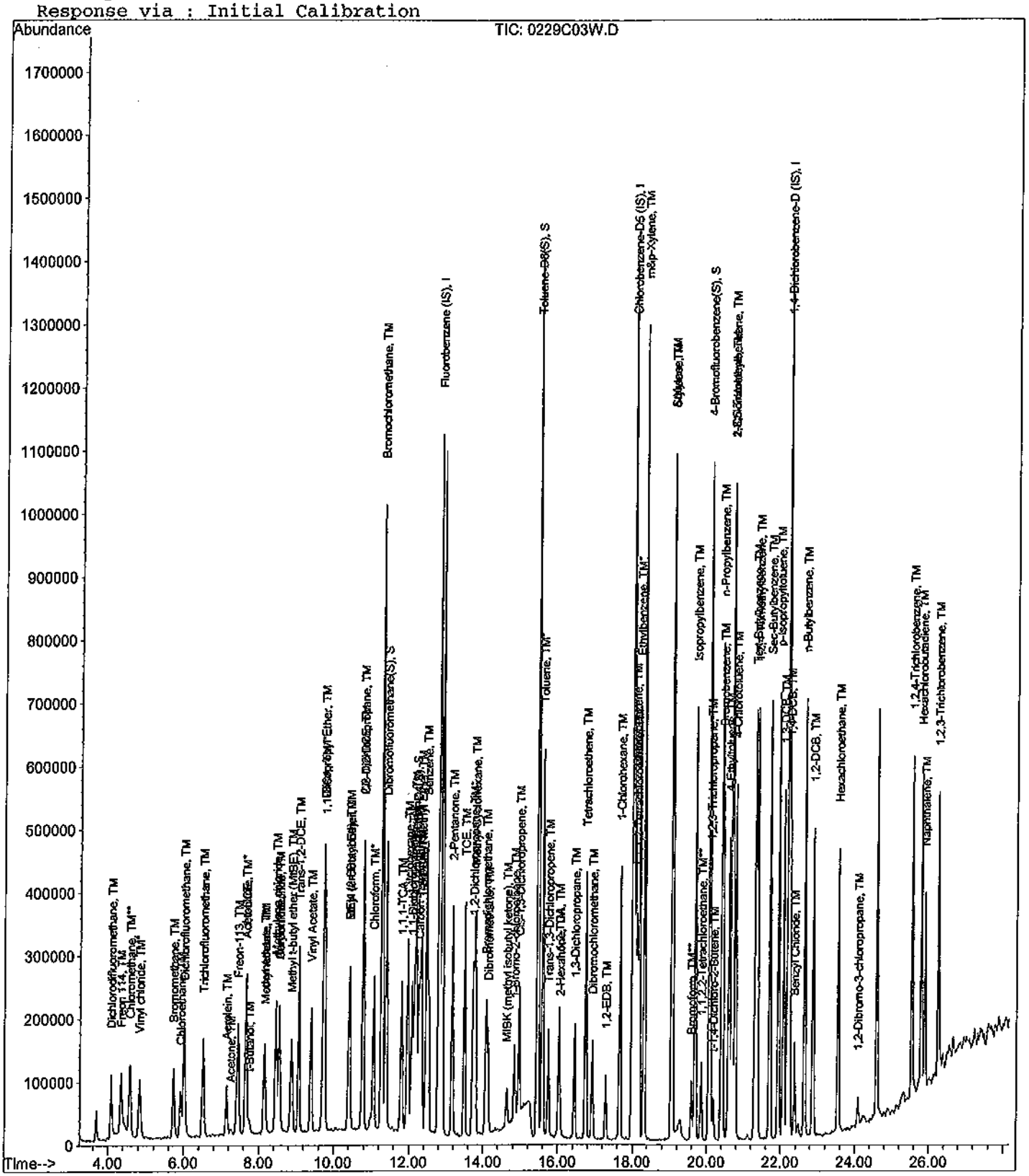
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120224\0229C03W.D Vial: 1
Acq On : 29 Feb 12 14:36 Operator: RS, ARS
Sample : 120229A LCS-1WC Inst : Chico
Misc : Water 10mLw/ IS&S:01-31C/01-03E Multiplr: 1.00

Quant Time: Mar 1 8:41 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Thu Mar 01 08:58:02 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N16S.D Vial: 1
Acq On : 29 Feb 12 20:24 Operator: SV,DG,RS
Sample : 120229A LCS-1SN (SS) Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:22 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.26	96	348992	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.43	117	255104	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.62	152	111496	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.85	111	269823	41.92394 ppb		0.00
Spiked Amount 41.312			Recovery = 101.482%			
34) 1,2-DCA-D4(S)	12.65	65	304442	44.15068 ppb		0.00
Spiked Amount 41.649			Recovery = 106.009%			
52) Toluene-D8(S)	15.90	98	837690	38.17601 ppb		0.00
Spiked Amount 35.274			Recovery = 108.226%			
60) 4-Bromofluorobenzene(S)	20.49	95	296466	40.55048 ppb		0.00
Spiked Amount 35.584			Recovery = 113.957%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.54	85	499418	39.84731 ppb		94
3) Chloromethane	5.05	50	753955	44.47135 ppb		99
4) Vinyl chloride	5.29	62	150464	43.80857 ppb		100
5) Bromomethane	6.23	94	240201	48.88920 ppb		90
6) Chloroethane	6.41	64	325801	49.16708 ppb		97
7) Dichlorofluoromethane	6.51	67	922355	47.48710 ppb		97
8) Trichlorofluoromethane	7.04	101	436531	43.64430 ppb		94
9) Acrolein	7.66	56	232768	247.00248 ppb		97
10) Acetone	7.78	43	134032	47.76011 ppb		87
11) Freon-113	7.94	101	338973	42.52844 ppb		96
12) 1,1-DCE	8.18	96	310792	45.67482 ppb		99
13) t-Butanol	8.30	59	30808	226.74621 ppb	#	89
14) Methyl Acetate	8.66	43	384432	47.02747 ppb		97
15) Iodomethane	8.66	142	252617	49.55265 ppb		97
16) Acrylonitrile	9.05	53	129854	52.27442 ppb		95
17) Methylene chloride	8.96	86	254159	54.99075 ppb		93
18) Carbon disulfide	9.07	76	1340837	45.50768 ppb		100
19) Methyl t-butyl ether (MtBE	9.36	73	930651	59.14317 ppb		96
20) Trans-1,2-DCE	9.57	96	363743	49.23157 ppb		93
21) Diisopropyl Ether	10.21	45	1791842	58.20312 ppb		99
22) 1,1-DCA	10.25	63	785764	52.17028 ppb		99
23) Vinyl Acetate	10.21	43	1390318	57.58712 ppb		98
24) Ethyl tert Butyl Ether	10.89	59	1295841	58.43451 ppb		96
25) MEK (2-Butanone)	10.87	43	318875	46.73025 ppb		96
26) Cis-1,2-DCE	11.26	96	404674	53.49939 ppb		94
27) 2,2-Dichloropropane	11.25	77	540238	46.99320 ppb		99
28) Chloroform	11.53	83	673909	54.10536 ppb		95
29) Bromochloromethane	11.76	128	127042	51.14338 ppb		89
31) 1,1,1-TCA	12.27	97	533764	46.72086 ppb		97
32) Cyclohexane	12.44	56	670844	41.97403 ppb		97
33) 1,1-Dichloropropene	12.53	75	526151	47.01246 ppb		96
35) Carbon Tetrachloride	12.72	117	420991	49.30086 ppb		99
36) Tert Amyl Methyl Ether	12.76	73	999922	59.79772 ppb		96
37) 1,2-DCA	12.80	62	462907	54.04069 ppb		97
38) Benzene	12.92	78	1442661	49.22566 ppb		97
39) TCE	13.95	95	347716	46.98468 ppb		95
40) 2-Pentanone	13.59	43	1541256	253.97274 ppb		96
41) 1,2-Dichloropropane	14.16	63	422245	53.51438 ppb		98
42) Bromodichloromethane	14.52	83	515833	58.12690 ppb	#	93

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120229\0229N16S.D Vial: 1
Acq On : 29 Feb 12 20:24 Operator: SV,DG,RS
Sample : 120229A LCS-1SN (SS) Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 12 13:22 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43) Dibromomethane	14.58	93	222196	55.43449 ppb		98
44) Methyl Cyclohexane	14.23	83	536450	41.83395 ppb		95
45) 2-Chloroethyl vinyl ether	14.95	63	197716	54.52350 ppb		100
46) 1-Bromo-2-chloroethane	15.28	63	470738	53.06981 ppb		95
47) Cis-1,3-Dichloropropene	15.39	75	627514	57.86332 ppb		97
48) Toluene	16.03	91	1438049	51.30999 ppb		99
49) Trans-1,3-Dichloropropene	16.18	75	505598	54.85313 ppb		94
50) 1,1,2-TCA	16.46	83	235643	56.92510 ppb		94
53) 1,2-EDB	17.72	107	274138	53.74122 ppb	#	92
54) Tetrachloroethene	17.18	129	221420	43.51831 ppb		98
55) 1-Chlorohexane	18.08	91	494992	43.61911 ppb		94
56) 1,1,1,2-Tetrachloroethane	18.54	131	285558	54.20577 ppb		95
57) m&p-Xylene	18.74	106	1059565	98.13420 ppb		99
58) o-Xylene	19.49	106	513606	52.09033 ppb		100
59) Styrene	19.50	78	516357	51.20294 ppb		93
61) 2-Hexanone	16.48	43	278706	49.69261 ppb		92
62) 1,3-Dichloropropane	16.88	76	484520	54.66925 ppb		98
63) Dibromochloromethane	17.36	129	323433	53.61001 ppb		98
64) Chlorobenzene	18.50	112	830848	52.63477 ppb		96
65) Ethylbenzene	18.59	91	1545697	48.69569 ppb		98
66) Bromoform	20.03	173	203549	56.34081 ppb		97
68) MIBK (methyl isobutyl keto	15.06	43	389036	49.16985 ppb		99
69) Isopropylbenzene	20.11	105	1316676	47.89121 ppb		98
70) 1,1,2,2-Tetrachloroethane	20.28	83	340818	54.48460 ppb		99
71) 1,2,3-Trichloropropane	20.52	110	75886	52.44994 ppb		98
72) t-1,4-Dichloro-2-Butene	20.59	53	107904	51.32034 ppb		97
73) Bromobenzene	20.87	156	306271	54.15940 ppb		98
74) n-Propylbenzene	20.82	91	1769391	48.41531 ppb		99
75) 2-Chlorotoluene	21.12	91	1137814	49.48084 ppb		99
76) 1,3,5-Trimethylbenzene	21.09	105	1041488	48.66507 ppb		96
77) 4-Chlorotoluene	21.20	91	960900	49.81549 ppb		98
78) Tert-Butylbenzene	21.75	119	1001249	47.31826 ppb		99
79) 1,2,4-Trimethylbenzene	21.81	105	1052711	49.52299 ppb		98
80) Sec-Butylbenzene	22.14	105	1412680	45.70102 ppb		98
81) p-Isopropyltoluene	22.36	119	1087533	46.73587 ppb		97
82) Benzyl Chloride	22.80	91	494074	45.60699 ppb		96
83) 1,3-DCB	22.51	146	524956	50.71185 ppb		97
84) 1,4-DCB	22.67	146	504262	50.06678 ppb		96
85) n-Butylbenzene	23.06	91	1124127	43.04435 ppb		99
86) 1,2-DCB	23.30	146	471498	51.44321 ppb		98
87) 1,2-Dibromo-3-chloropropan	24.50	155	44638	51.58546 ppb		95
88) 1,2,4-Trichlorobenzene	25.94	180	266111	43.20498 ppb		93
89) Hexachlorobutadiene	26.18	225	85872	46.03146 ppb		98
90) Naphthalene	26.28	128	546100	47.77750 ppb		99
91) 1,2,3-Trichlorobenzene	26.65	180	251499	48.76995 ppb		93

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

Quantitation Report

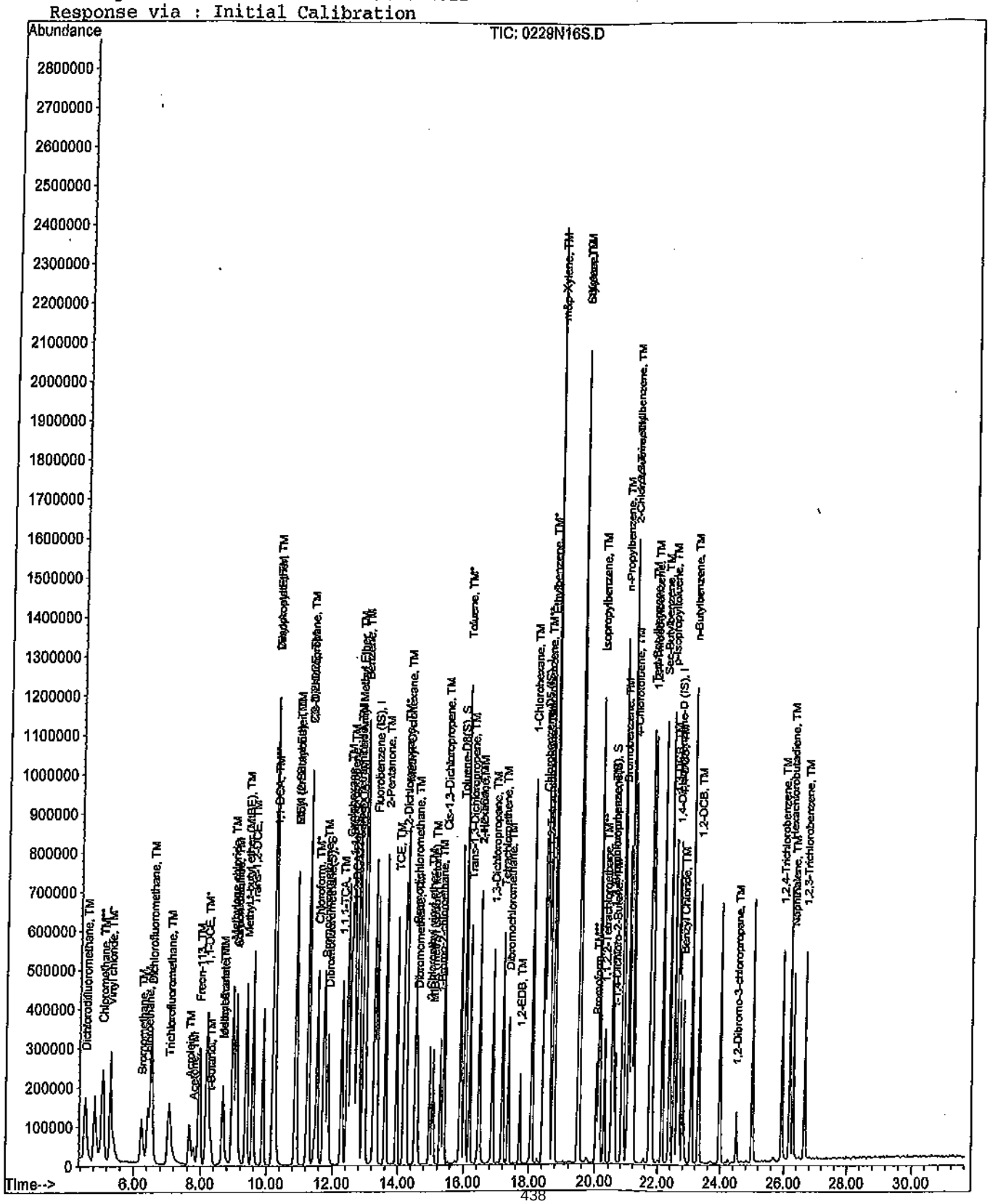
Data File : M:\NEO\DATA\N120229\0229N16S.D
Acq On : 29 Feb 12 20:24
Sample : 120229A LCS-1SN (SS)
Misc : Soil 5mL w/ ISS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 12 13:22 2012

Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Mar 12 13:19:57 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N16S.D
Acq On : 5 Mar 12 20:24
Sample : 120305A LCS-1SN (ss)
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 9:32 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.29	96	321344	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.46	117	209408	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	87496	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.88	111	224234	36.01102 ppb		0.00
Spiked Amount 41.312			Recovery = 87.169%			
34) 1,2-DCA-D4(S)	12.67	65	245270	36.31417 ppb		0.00
Spiked Amount 41.649			Recovery = 87.192%			
52) Toluene-D8(S)	15.93	98	675554	37.32430 ppb		0.00
Spiked Amount 35.274			Recovery = 105.811%			
60) 4-Bromofluorobenzene(S)	20.53	95	230123	35.79651 ppb		0.00
Spiked Amount 35.584			Recovery = 100.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.54	85	335455	56.24657 ppb		87
3) Chloromethane	5.05	50	589631	56.38814 ppb		97
4) Vinyl chloride	5.29	62	126912	52.91497 ppb		100
5) Bromomethane	6.21	94	186170	53.74456 ppb		90
6) Chloroethane	6.42	64	248444	58.49311 ppb		93
7) Dichlorofluoromethane	6.51	67	766843	55.13758 ppb		98
8) Trichlorofluoromethane	7.05	101	340253	57.66144 ppb		100
9) Acrolein	7.67	56	175240	214.89046 ppb		94
10) Acetone	7.79	43	103272	47.43526 ppb		89
11) Freon-113	7.97	101	243228	54.86887 ppb		97
12) 1,1-DCE	8.19	96	245234	56.16417 ppb		92
14) Methyl Acetate	8.68	43	324525	44.85377 ppb		99
15) Iodomethane	8.69	142	203038	58.35031 ppb	#	93
16) Acrylonitrile	9.06	53	97677	45.05894 ppb		81
17) Methylene chloride	8.97	86	208087	52.30935 ppb		98
18) Carbon disulfide	9.08	76	983525	49.94762 ppb		96
19) Methyl t-butyl ether (MtBE	9.39	73	742651	47.14009 ppb		97
20) Trans-1,2-DCE	9.59	96	305791	53.90683 ppb		93
21) Diisopropyl Ether	10.22	45	1474089	50.78299 ppb		99
22) 1,1-DCA	10.27	63	658936	52.98238 ppb		99
23) Vinyl Acetate	10.22	43	1115657	48.52275 ppb		97
24) Ethyl tert Butyl Ether	10.91	59	1066830	49.92267 ppb		95
25) MEK (2-Butanone)	10.90	43	257024	49.24362 ppb		100
26) Cis-1,2-DCE	11.28	96	344420	53.99212 ppb		97
27) 2,2-Dichloropropane	11.27	77	454070	53.34357 ppb		100
28) Chloroform	11.56	83	568244	51.96064 ppb		97
29) Bromochloromethane	11.79	128	104068	46.78457 ppb		92
31) 1,1,1-TCA	12.30	97	459913	58.40539 ppb		93
32) Cyclohexane	12.46	56	515446	56.98736 ppb		97
33) 1,1-Dichloropropene	12.56	75	418844	55.46856 ppb		93
35) Carbon Tetrachloride	12.76	117	346583	57.80661 ppb		98
36) Tert Amyl Methyl Ether	12.79	73	816710	48.54221 ppb		96
37) 1,2-DCA	12.83	62	401913	49.20284 ppb		99
38) Benzene	12.96	78	1242802	51.67268 ppb		97
39) TCE	13.98	95	294836	53.45039 ppb		92
40) 2-Pentanone	13.63	43	1296770	224.28545 ppb		100
41) 1,2-Dichloropropane	14.20	63	373089	51.90957 ppb		100
42) Bromodichloromethane	14.55	83	435736	52.27935 ppb		97
43) Dibromomethane	14.61	93	191968	50.30598 ppb		97
44) Methyl Cyclohexane	14.27	83	389031	55.19992 ppb		92
45) 2-Chloroethyl vinyl ether	14.98	63	167288	47.52565 ppb		98

$\frac{126912 \times 50}{321344 \times 0.37} = 53.0$ mp 3/10/12

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N16S.D
Acq On : 5 Mar 12 20:24
Sample : 120305A LCS-1SN (ss)
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 9:32 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.32	63	411148	49.70315 ppb		100
47)	Cis-1,3-Dichloropropene	15.43	75	530236	51.04770 ppb		97
48)	Toluene	16.06	91	1205585	53.26409 ppb		99
49)	Trans-1,3-Dichloropropene	16.21	75	438758	50.50182 ppb		96
50)	1,1,2-TCA	16.50	83	205180	52.14894 ppb		92
53)	1,2-EDB	17.76	107	229023	48.70315 ppb	#	92
54)	Tetrachloroethene	17.22	129	187966	54.58323 ppb		93
55)	1-Chlorohexane	18.11	91	380392	53.82433 ppb		96
56)	1,1,1,2-Tetrachloroethane	18.58	131	242905	50.71719 ppb		96
57)	m&p-Xylene	18.77	106	867143	107.27563 ppb		98
58)	o-Xylene	19.52	106	418565	51.63688 ppb		93
59)	Styrene	19.53	78	432895	50.20864 ppb		93
61)	2-Hexanone	16.51	43	212617	42.45705 ppb		87
62)	1,3-Dichloropropane	16.91	76	422181	51.48649 ppb		99
63)	Dibromochloromethane	17.40	129	288454	52.16976 ppb		95
64)	Chlorobenzene	18.53	112	665282	50.54590 ppb		95
65)	Ethylbenzene	18.64	91	1281539	53.43677 ppb		96
66)	Bromoform	20.06	173	166539	49.68715 ppb		98
68)	MIBK (methyl isobutyl keto	15.08	43	321677	44.62852 ppb		98
69)	Isopropylbenzene	20.15	105	1069912	52.99259 ppb		98
70)	1,1,2,2-Tetrachloroethane	20.31	83	281012	47.18320 ppb		97
71)	1,2,3-Trichloropropane	20.56	110	61600	48.49258 ppb		97
72)	t-1,4-Dichloro-2-Butene	20.63	53	85409	46.47239 ppb		99
73)	Bromobenzene	20.90	156	243621	47.28890 ppb		91
74)	n-Propylbenzene	20.86	91	1444105	53.64680 ppb		98
75)	2-Chlorotoluene	21.15	91	986065	53.58438 ppb		99
76)	1,3,5-Trimethylbenzene	21.13	105	902568	54.09371 ppb		99
77)	4-Chlorotoluene	21.23	91	737425	45.45423 ppb		97
78)	Tert-Butylbenzene	21.78	119	808680	51.86856 ppb		98
79)	1,2,4-Trimethylbenzene	21.84	105	847006	49.73673 ppb		98
80)	Sec-Butylbenzene	22.18	105	1160049	53.48817 ppb		97
81)	p-Isopropyltoluene	22.39	119	825975	49.44794 ppb		100
82)	Benzyl Chloride	22.83	91	376690	39.02749 ppb		96
83)	1,3-DCB	22.54	146	420416	47.85082 ppb		96
84)	1,4-DCB	22.71	146	410437	46.19495 ppb		98
85)	n-Butylbenzene	23.09	91	897160	50.83819 ppb		98
86)	1,2-DCB	23.33	146	395545	49.13930 ppb		100
87)	1,2-Dibromo-3-chloropropan	24.53	155	35921	51.55985 ppb		75
88)	1,2,4-Trichlorobenzene	25.97	180	228769	43.48270 ppb		98
89)	Hexachlorobutadiene	26.21	225	170824	54.27756 ppb		91
90)	Naphthalene	26.31	128	501145	46.67934 ppb		100
91)	1,2,3-Trichlorobenzene	26.69	180	224049	52.24692 ppb		96

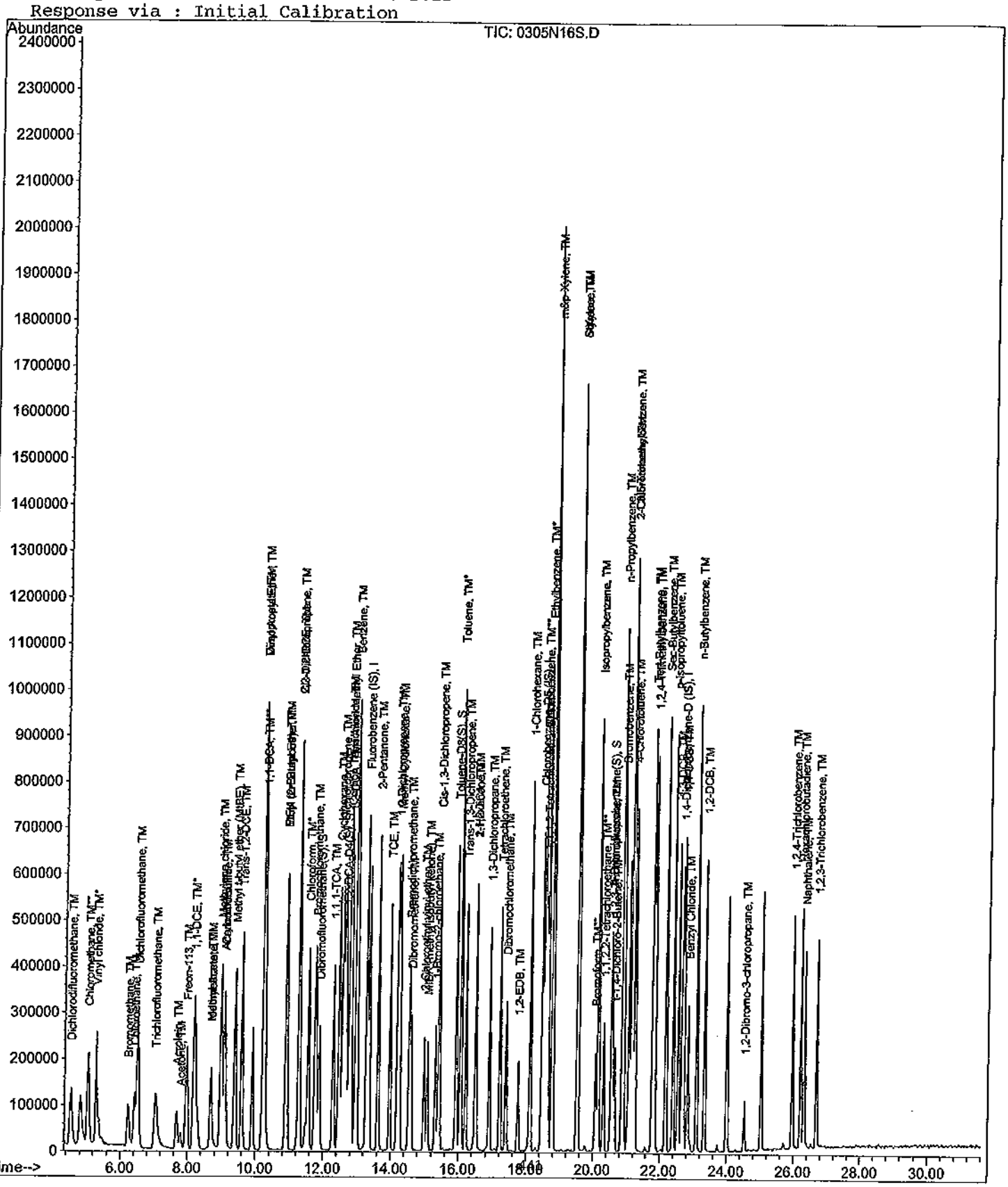
(#) = qualifier out of range (m) = manual integration
0305N16S.D NALLS.M Fri Mar 09 10:08:34 2012 Page 2

Data File : M:\NEO\DATA\N120305\0305N16S.D
Acq On : 5 Mar 12 20:24
Sample : 120305A LCS-1SN (ss)
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 9:32 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Data File : M:\THOR\DATA\T120307\0307T13S.D Vial: 13
Acq On : 7 Mar 12 13:30 Operator: DG,RS,HW,ARS,SV
Sample : 120306A LCS-1ST Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 13:53 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 12:38:41 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	454080	50.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	369536	50.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.21	152	216640	50.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.96	111	212930	75.81296 ppb	0.00
Spiked Amount 74.267			Recovery = 102.082%		
36) 1,2-DCA-D4(S)	6.35	65	215789	67.06089 ppb	0.00
Spiked Amount 65.341			Recovery = 102.633%		
56) Toluene-D8(S)	8.44	98	797795	86.16210 ppb	0.00
Spiked Amount 83.313			Recovery = 103.419%		
64) 4-Bromofluorobenzene(S)	11.06	95	300331	73.31316 ppb	0.00
Spiked Amount 77.736			Recovery = 94.310%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.29	85	71360	34.65835 ppb	98
3) Freon 114	1.41	85	56321	34.15654 ppb	94
4) Chloromethane	1.45	50	124610	41.76117 ppb	99
5) Vinyl chloride	1.56	62	75544	38.72612 ppb	96
6) Bromomethane	1.86	96	91905	41.80592 ppb	98
7) Chloroethane	1.97	49	10796	39.33689 ppb	99
8) Dichlorofluoromethane	2.19	67	213194	44.96196 ppb	99
9) Trichlorofluoromethane	2.24	101	114194	36.91798 ppb	98
10) Acrolein	2.71	56	33544	232.07447 ppb	99
11) Acetone	2.91	43	35324	47.56124 ppb	97
12) Freon-113	2.86	101	70352	36.82452 ppb	96
13) 1,1-DCE	2.82	96	78598	41.54179 ppb	91
14) t-Butanol	3.78	59	55431	236.26172 ppb	100
15) Methyl Acetate	3.37	43	114035	48.06286 ppb	99
16) Iodomethane	2.98	142	165131	51.46545 ppb	99
17) Acrylonitrile	3.84	53	43398	50.81908 ppb	92
18) Methylene chloride	3.46	84	147651	48.76814 ppb	97
19) Carbon disulfide	3.06	76	287018	41.61819 ppb	100
20) Methyl t-butyl ether (MtBE	3.95	73	346296	49.50473 ppb	99
21) Trans-1,2-DCE	3.88	96	110794	44.90169 ppb	95
22) Diisopropyl Ether	4.74	45	395432	49.88410 ppb	97
23) 1,1-DCA	4.53	63	200995	46.25635 ppb	98
24) Vinyl Acetate	4.75	87	109117	49.80516 ppb	100
25) Ethyl tert Butyl Ether	5.24	59	342215	51.14382 ppb	97
26) MEK (2-Butanone)	5.42	43	44541	48.93436 ppb	92
27) Cis-1,2-DCE	5.35	96	143961	46.87014 ppb	100
28) 2,2-Dichloropropane	5.34	77	127859	42.78721 ppb	99
29) Chloroform	5.77	83	226912	47.37464 ppb	100
30) Bromochloromethane	5.64	128	79434	49.80869 ppb	97
32) 1,1,1-TCA	5.97	97	140827	44.79849 ppb	98
33) Cyclohexane	6.04	41	59605	37.07805 ppb	97
34) 1,1-Dichloropropene	6.18	75	114909	43.10406 ppb	99
35) 2,2,4-Trimethylpentane	6.56	57	257058	34.88657 ppb	99
37) Carbon Tetrachloride	6.18	117	111614	41.22545 ppb	99
38) Tert Amyl Methyl Ether	6.61	73	337999	52.84636 ppb	99
39) 1,2-DCA	6.44	62	186583	48.59941 ppb	100
40) Benzene	6.41	78	478238	46.72802 ppb	98
41) TCE	7.16	95	116705	43.11260 ppb	99
42) 2-Pentanone	7.39	43	392035	241.91111 ppb	100
43) 1,2-Dichloropropane	7.39	63	142358	48.09548 ppb	98
44) Bromodichloromethane	7.69	83	183036	49.73621 ppb	98

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

Data File : M:\THOR\DATA\T120307\0307T13S.D Vial: 13
Acq On : 7 Mar 12 13:30 Operator: DG,RS,HW,ARS,SV
Sample : 120306A LCS-1ST Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 13:53 2012 Quant Results File: TALLS.RES

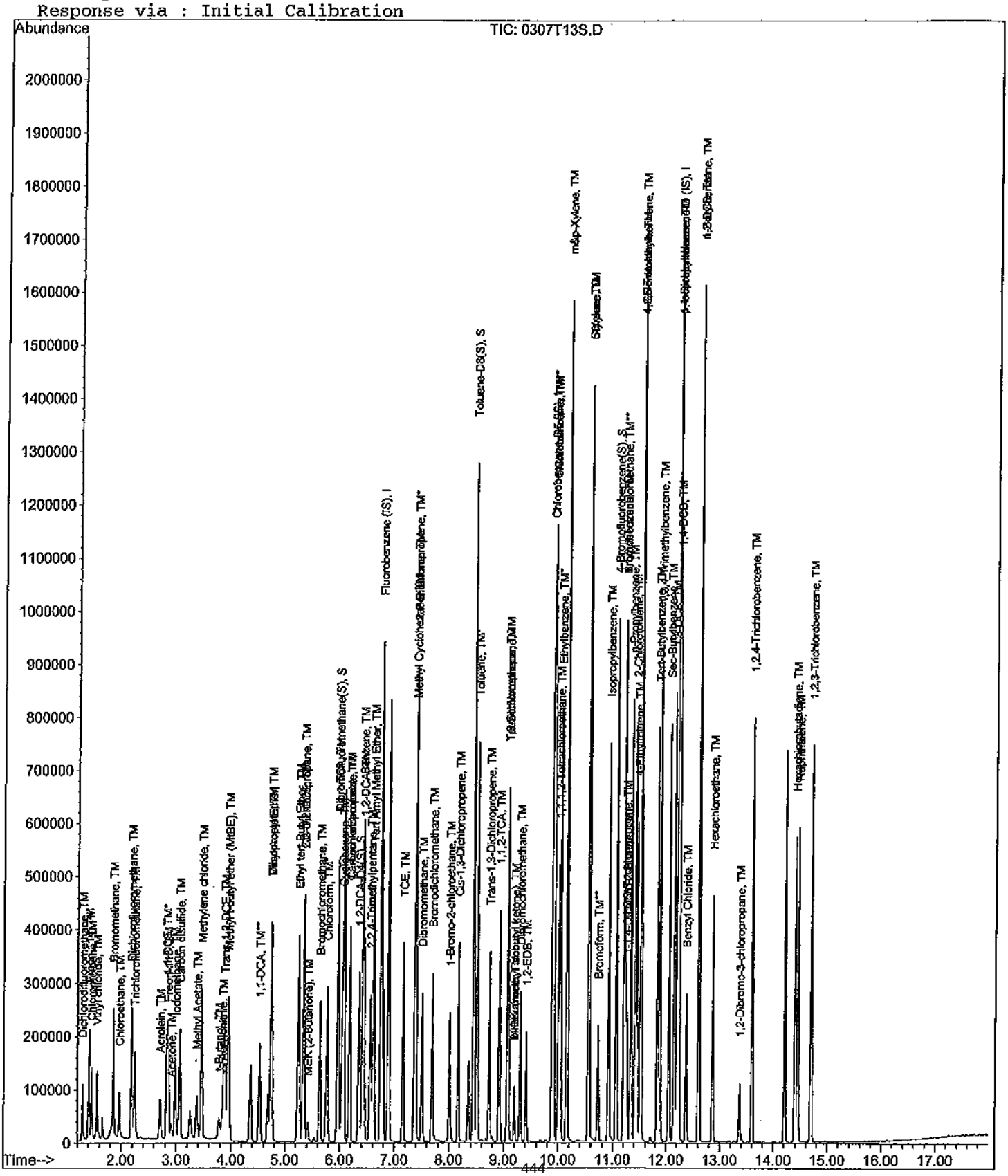
Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 12:38:41 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
45) Methyl Cyclohexane	7.37	83	112224	37.97615 ppb	99
46) Dibromomethane	7.51	93	91165	50.80854 ppb	96
48) MIBK (methyl isobutyl ket	9.20	43	61721	48.83931 ppb	97
49) 1-Bromo-2-chloroethane	8.00	63	114776	52.71407 ppb	98
50) Cis-1,3-Dichloropropene	8.17	75	196062	49.44395 ppb	98
51) Toluene	8.51	91	320448	46.76331 ppb	100
52) Trans-1,3-Dichloropropene	8.74	75	176378	51.52539 ppb	100
53) 1,1,2-TCA	8.92	83	109086	49.68485 ppb	97
54) 2-Hexanone	9.20	43	61721	48.83931 ppb	97
57) 1,2-EDB	9.41	107	126720	51.31181 ppb	99
58) Tetrachloroethene	9.07	164	93848	42.03327 ppb	93
59) 1-Chlorohexane	9.92	91	114275	41.05658 ppb	99
60) 1,1,1,2-Tetrachloroethane	10.00	131	137128	49.00003 ppb	97
61) m&p-Xylene	10.16	106	432765	96.46232 ppb	97
62) o-Xylene	10.55	106	221413	49.12731 ppb	98
63) Styrene	10.56	104	410022	44.35758 ppb	100
65) 1,3-Dichloropropane	9.08	76	210678	50.10758 ppb	98
66) Dibromochloromethane	9.31	129	141395	49.67193 ppb	98
67) Chlorobenzene	9.92	112	380684	46.03811 ppb	100
68) Ethylbenzene	10.04	91	542611	46.31077 ppb	99
69) Bromoform	10.73	173	99103	51.10104 ppb	99
71) Isopropylbenzene	10.92	105	460554	44.92326 ppb	99
72) 1,1,2,2-Tetrachloroethane	11.20	83	162169	49.37629 ppb	100
73) 1,2,3-Trichloropropane	11.24	110	47989	50.22600 ppb	96
74) t-1,4-Dichloro-2-Butene	11.26	53	35940	52.25611 ppb	98
75) Bromobenzene	11.21	156	185118	47.01903 ppb	98
76) n-Propylbenzene	11.33	91	607200	45.13191 ppb	100
77) 4-Ethyltoluene	11.45	105	372652	46.48552 ppb	98
78) 2-Chlorotoluene	11.41	91	465598	46.84259 ppb	98
79) 1,3,5-Trimethylbenzene	11.51	105	474129	47.97440 ppb	100
80) 4-Chlorotoluene	11.51	91	502359	47.33679 ppb	99
81) Tert-Butylbenzene	11.83	119	356093	44.93703 ppb	99
82) 1,2,4-Trimethylbenzene	11.88	105	500642	49.39870 ppb	99
83) Sec-Butylbenzene	12.05	105	520860	44.57802 ppb	99
84) p-Isopropyltoluene	12.20	119	464123	46.07490 ppb	100
85) Benzyl Chloride	12.37	91	193480	49.47637 ppb	98
86) 1,3-DCB	12.15	146	345490	45.22066 ppb	98
87) 1,4-DCB	12.24	146	362706	45.54694 ppb	99
88) n-Butylbenzene	12.61	91	429556	44.79087 ppb	98
89) 1,2-DCB	12.60	146	342955	46.88290 ppb	98
90) Hexachloroethane	12.87	117	79474	41.03796 ppb	99
91) 1,2-Dibromo-3-chloropropan	13.37	157	31373	52.47771 ppb	99
92) 1,2,4-Trichlorobenzene	13.60	180	267661	45.69911 ppb	100
93) Hexachlorobutadiene	14.40	225	117690	41.98382 ppb	99
94) Naphthalene	14.45	128	474372	47.72861 ppb	99
95) 1,2,3-Trichlorobenzene	14.69	180	243530	50.40778 ppb	96

Data File : M:\THOR\DATA\T120307\0307T13S.D Vial: 13
Acq On : 7 Mar 12 13:30 Operator: DG,RS,HW,ARS,SV
Sample : 120306A LCS-1ST Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 7 13:53 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration



Data File : M:\THOR\DATA\T120307\0308T22S.D Vial: 22
Acq On : 7 Mar 12 16:48 Operator: DG,RS,HW,ARS,SV
Sample : AY55855S01 5.010 MS-1ST Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 8 7:26 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	442624	50.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	353280	50.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.21	152	199552	50.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.97	111	210893	77.03111 ppb	0.00
Spiked Amount 74.267			Recovery = 103.722%		
36) 1,2-DCA-D4(S)	6.35	65	217723	69.41315 ppb	0.00
Spiked Amount 65.341			Recovery = 106.232%		
56) Toluene-D8(S)	8.45	98	784534	88.62871 ppb	0.00
Spiked Amount 83.313			Recovery = 106.380%		
64) 4-Bromofluorobenzene(S)	11.06	95	287347	73.36956 ppb	0.00
Spiked Amount 77.736			Recovery = 94.383%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.30	85	217896	112.53176 ppb	97
3) Freon 114	1.42	85	167326	103.89715 ppb	92
4) Chloromethane	1.46	50	199986	68.62084 ppb	98
5) Vinyl chloride	1.57	62	178112	93.48327 ppb	99
6) Bromomethane	1.87	96	120402	56.07496 ppb	96
7) Chloroethane	1.98	49	21656	80.78896 ppb	93
8) Dichlorofluoromethane	2.20	67	351778	75.95837 ppb	100
9) Trichlorofluoromethane	2.26	101	279452	92.49931 ppb	97
10) Acrolein	2.72	56	32888	232.96283 ppb	97
11) Acetone	2.93	43	38603	54.32791 ppb	99
12) Freon-113	2.87	101	175272	93.93118 ppb	99
13) 1,1-DCE	2.84	96	159167	86.13179 ppb	97
14) t-Butanol	3.79	59	56844	248.06297 ppb	98
15) Methyl Acetate	3.38	43	116057	50.30591 ppb	98
16) Iodomethane	3.00	142	259510	82.80907 ppb	100
17) Acrylonitrile	3.85	53	38952	46.70071 ppb	96
18) Methylene chloride	3.47	84	189092	64.32079 ppb	99
19) Carbon disulfide	3.07	76	508482	75.48946 ppb	99
20) Methyl t-butyl ether (MtBE	3.96	73	366382	53.62533 ppb	100
21) Trans-1,2-DCE	3.89	96	175015	72.62036 ppb	98
22) Diisopropyl Ether	4.75	45	449862	58.10404 ppb	98
23) 1,1-DCA	4.54	63	290745	68.50701 ppb	100
24) Vinyl Acetate	4.75	87	124898	58.36790 ppb	95
25) Ethyl tert Butyl Ether	5.25	59	369185	56.49042 ppb	98
26) MEK (2-Butanone)	5.42	43	45660	51.44008 ppb	94
27) Cis-1,2-DCE	5.35	96	188065	62.68968 ppb	98
28) 2,2-Dichloropropane	5.34	77	235573	80.71324 ppb	96
29) Chloroform	5.78	83	295255	63.11352 ppb	100
30) Bromochloromethane	5.65	128	85555	54.92635 ppb	98
32) 1,1,1-TCA	5.98	97	256680	83.59998 ppb	98
33) Cyclohexane	6.05	41	140961	89.77797 ppb	92
34) 1,1-Dichloropropene	6.19	75	222435	85.42873 ppb	98
35) 2,2,4-Trimethylpentane	6.56	57	564899	72.93884 ppb	100
37) Carbon Tetrachloride	6.18	117	226175	85.53187 ppb	100
38) Tert Amyl Methyl Ether	6.62	73	358667	57.41531 ppb	98
39) 1,2-DCA	6.44	62	201418	53.71479 ppb	100
40) Benzene	6.42	78	676260	67.65246 ppb	99
41) TCE	7.16	95	184278	69.69873 ppb	99
42) 2-Pentanone	7.39	43	407140	257.22395 ppb	99
43) 1,2-Dichloropropane	7.39	63	174457	60.34585 ppb	100
44) Bromodichloromethane	7.70	83	209370	58.24884 ppb	98

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

Data File : M:\THOR\DATA\T120307\0308T22S.D Vial: 22
Acq On : 7 Mar 12 16:48 Operator: DG,RS,HW,ARS,SV
Sample : AY55855S01 5.010 MS-1ST Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 8 7:26 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

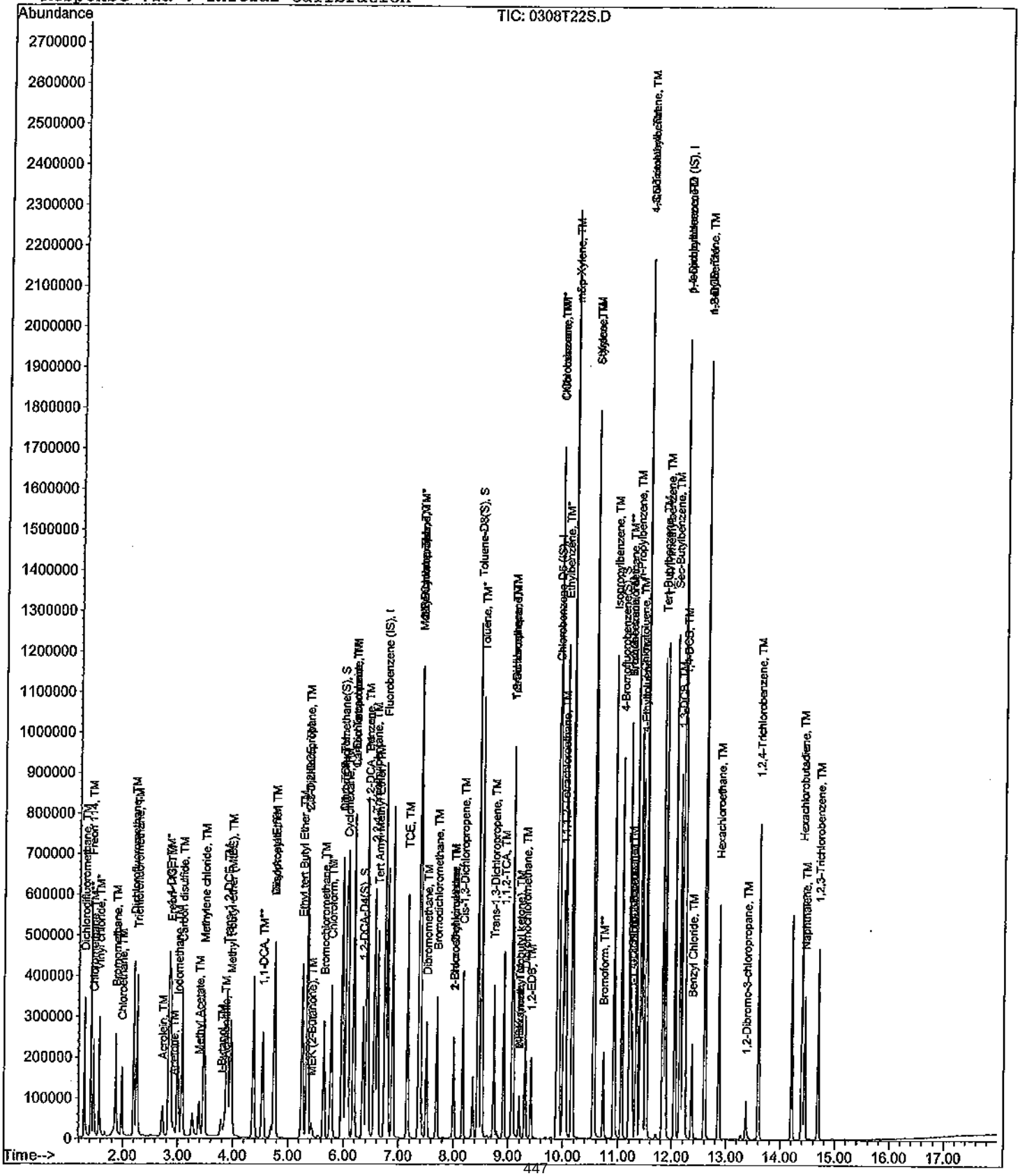
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45) Methyl Cyclohexane	7.37	83	271894	94.20230 ppb		100
46) Dibromomethane	7.51	93	92269	52.65033 ppb		97
47) 2-Chloroethyl vinyl ether	8.01	106	3512	42.23390 ppb	#	89
48) MIBK (methyl isobutyl ket	9.20	43	63700	51.60748 ppb		98
49) 1-Bromo-2-chloroethane	8.01	63	116264	54.67105 ppb		100
50) Cis-1,3-Dichloropropene	8.17	75	217462	56.14871 ppb		100
51) Toluene	8.51	91	464000	69.32699 ppb		100
52) Trans-1,3-Dichloropropene	8.74	75	182126	54.47353 ppb		99
53) 1,1,2-TCA	8.92	83	113316	52.84244 ppb		98
54) 2-Hexanone	9.20	43	63700	51.60748 ppb		98
57) 1,2-EDB	9.41	107	124689	52.70809 ppb		99
58) Tetrachloroethene	9.07	164	165636	77.44615 ppb		95
59) 1-Chlorohexane	9.92	91	220845	82.83160 ppb		96
60) 1,1,1,2-Tetrachloroethane	10.00	131	159047	59.32977 ppb		99
61) m&p-Xylene	10.16	106	628722	146.29894 ppb		98
62) o-Xylene	10.55	106	286643	66.39542 ppb		97
63) Styrene	10.56	104	482365	53.80284 ppb		98
65) 1,3-Dichloropropane	9.08	76	217389	53.97576 ppb		98
66) Dibromochloromethane	9.31	129	145710	53.43715 ppb		98
67) Chlorobenzene	9.92	112	470477	59.39751 ppb		98
68) Ethylbenzene	10.04	91	815610	72.66962 ppb		100
69) Bromoform	10.73	173	96093	51.72632 ppb		99
71) Isopropylbenzene	10.92	105	731971	77.35820 ppb		100
72) 1,1,2,2-Tetrachloroethane	11.20	83	154809	51.07033 ppb		100
73) 1,2,3-Trichloropropane	11.24	110	43679	49.53149 ppb		95
74) t-1,4-Dichloro-2-Butene	11.26	53	32665	51.45925 ppb		99
75) Bromobenzene	11.21	156	200513	55.18097 ppb		98
76) n-Propylbenzene	11.33	91	935329	75.32483 ppb		100
77) 4-Ethyltoluene	11.45	105	545581	73.73866 ppb		99
78) 2-Chlorotoluene	11.41	91	594008	64.75061 ppb		98
79) 1,3,5-Trimethylbenzene	11.51	105	661645	72.53705 ppb		100
80) 4-Chlorotoluene	11.51	91	617101	63.00322 ppb		100
81) Tert-Butylbenzene	11.83	119	547621	74.87604 ppb		99
82) 1,2,4-Trimethylbenzene	11.88	105	639076	68.32232 ppb		99
83) Sec-Butylbenzene	12.05	105	817968	75.85040 ppb		99
84) p-Isopropyltoluene	12.20	119	683910	73.56175 ppb		100
85) Benzyl Chloride	12.37	91	159651	44.23390 ppb		99
86) 1,3-DCB	12.15	146	374561	53.11849 ppb		99
87) 1,4-DCB	12.24	146	377375	51.34514 ppb		99
88) n-Butylbenzene	12.61	91	610667	68.99156 ppb		99
89) 1,2-DCB	12.60	146	333094	49.33623 ppb		98
90) Hexachloroethane	12.87	117	97674	54.64640 ppb		98
91) 1,2-Dibromo-3-chloropropan	13.37	157	25204	45.67832 ppb		98
92) 1,2,4-Trichlorobenzene	13.60	180	258394	47.79988 ppb		100
93) Hexachlorobutadiene	14.40	225	123766	47.83718 ppb		99
94) Naphthalene	14.45	128	273910	31.45475 ppb		100
95) 1,2,3-Trichlorobenzene	14.69	180	155118	34.78797 ppb		99

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

Data File : M:\THOR\DATA\T120307\0308T22S.D Vial: 22
Acq On : 7 Mar 12 16:48 Operator: DG,RS,HW,ARS,SV
Sample : AY55855S01 5.010 MS-1ST Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 8 7:26 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration



Data File : M:\THOR\DATA\T120307\0308T23S.D Vial: 23
Acq On : 7 Mar 12 17:10 Operator: DG,RS,HW,ARS,SV
Sample : AY55855S01 5.012 MSD-1ST Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 8 7:26 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	451648	50.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	351744	50.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.21	152	200768	50.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.96	111	212111	75.92802 ppb	0.00
Spiked Amount 74.267			Recovery = 102.237%		
36) 1,2-DCA-D4(S)	6.35	65	211914	66.21128 ppb	0.00
Spiked Amount 65.341			Recovery = 101.332%		
56) Toluene-D8(S)	8.44	98	782177	88.74830 ppb	0.00
Spiked Amount 83.313			Recovery = 106.523%		
64) 4-Bromofluorobenzene(S)	11.06	95	289298	74.16589 ppb	0.00
Spiked Amount 77.736			Recovery = 95.407%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.41	85	177190	89.64854 ppb	97
3) Freon 114	1.41	85	166295	101.15738 ppb	97
4) Chloromethane	1.45	50	161163	54.17513 ppb	97
5) Vinyl chloride	1.56	62	128616	66.13234 ppb	99
6) Bromomethane	1.86	96	104031	47.46530 ppb	95
7) Chloroethane	1.97	49	16696	61.01890 ppb	95
8) Dichlorofluoromethane	2.19	67	344822	72.94241 ppb	98
9) Trichlorofluoromethane	2.24	101	209016	67.77804 ppb	98
10) Acrolein	2.71	56	31232	216.73405 ppb	97
11) Acetone	2.91	43	44555	62.73446 ppb	99
12) Freon-113	2.86	101	176495	92.66332 ppb	97
13) 1,1-DCE	2.82	96	151696	80.41975 ppb	99
14) t-Butanol	3.78	59	61688	263.72797 ppb	94
15) Methyl Acetate	3.37	43	114314	48.36643 ppb	100
16) Iodomethane	2.98	142	241041	75.35168 ppb	97
17) Acrylonitrile	3.84	53	36578	42.96273 ppb	96
18) Methylene chloride	3.46	84	174600	58.06991 ppb	99
19) Carbon disulfide	3.06	76	455703	66.27822 ppb	99
20) Methyl t-butyl ether (MtBE	3.95	73	359046	51.48303 ppb	99
21) Trans-1,2-DCE	3.88	96	163904	66.62709 ppb	98
22) Diisopropyl Ether	4.74	45	438406	55.47300 ppb	99
23) 1,1-DCA	4.53	63	282824	65.28557 ppb	98
24) Vinyl Acetate	4.75	87	124505	57.00114 ppb	100
25) Ethyl tert Butyl Ether	5.25	59	359492	53.88876 ppb	95
26) MEK (2-Butanone)	5.42	43	52026	57.60052 ppb	100
27) Cis-1,2-DCE	5.35	96	180750	59.02617 ppb	98
28) 2,2-Dichloropropane	5.34	77	228526	76.70666 ppb	96
29) Chloroform	5.78	83	285067	59.69669 ppb	99
30) Bromochloromethane	5.64	128	83206	52.33210 ppb	98
32) 1,1,1-TCA	5.98	97	247559	78.98980 ppb	100
33) Cyclohexane	6.04	41	142395	88.84720 ppb	97
34) 1,1-Dichloropropene	6.18	75	219454	82.57004 ppb	99
35) 2,2,4-Trimethylpentane	6.56	57	563836	71.41787 ppb	99
37) Carbon Tetrachloride	6.18	117	220725	81.77359 ppb	99
38) Tert Amyl Methyl Ether	6.62	73	350163	54.91421 ppb	98
39) 1,2-DCA	6.44	62	192302	50.24092 ppb	99
40) Benzene	6.41	78	660002	64.68348 ppb	100
41) TCE	7.16	95	177859	65.90304 ppb	98
42) 2-Pentanone	7.39	43	430647	266.54298 ppb	98
43) 1,2-Dichloropropane	7.39	63	170424	57.75212 ppb	100
44) Bromodichloromethane	7.69	83	201473	54.91208 ppb	99

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

Data File : M:\THOR\DATA\T120307\0308T23S.D Vial: 23
Acq On : 7 Mar 12 17:10 Operator: DG,RS,HW,ARS,SV
Sample : AY55855S01 5.012 MSD-1ST Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 8 7:26 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

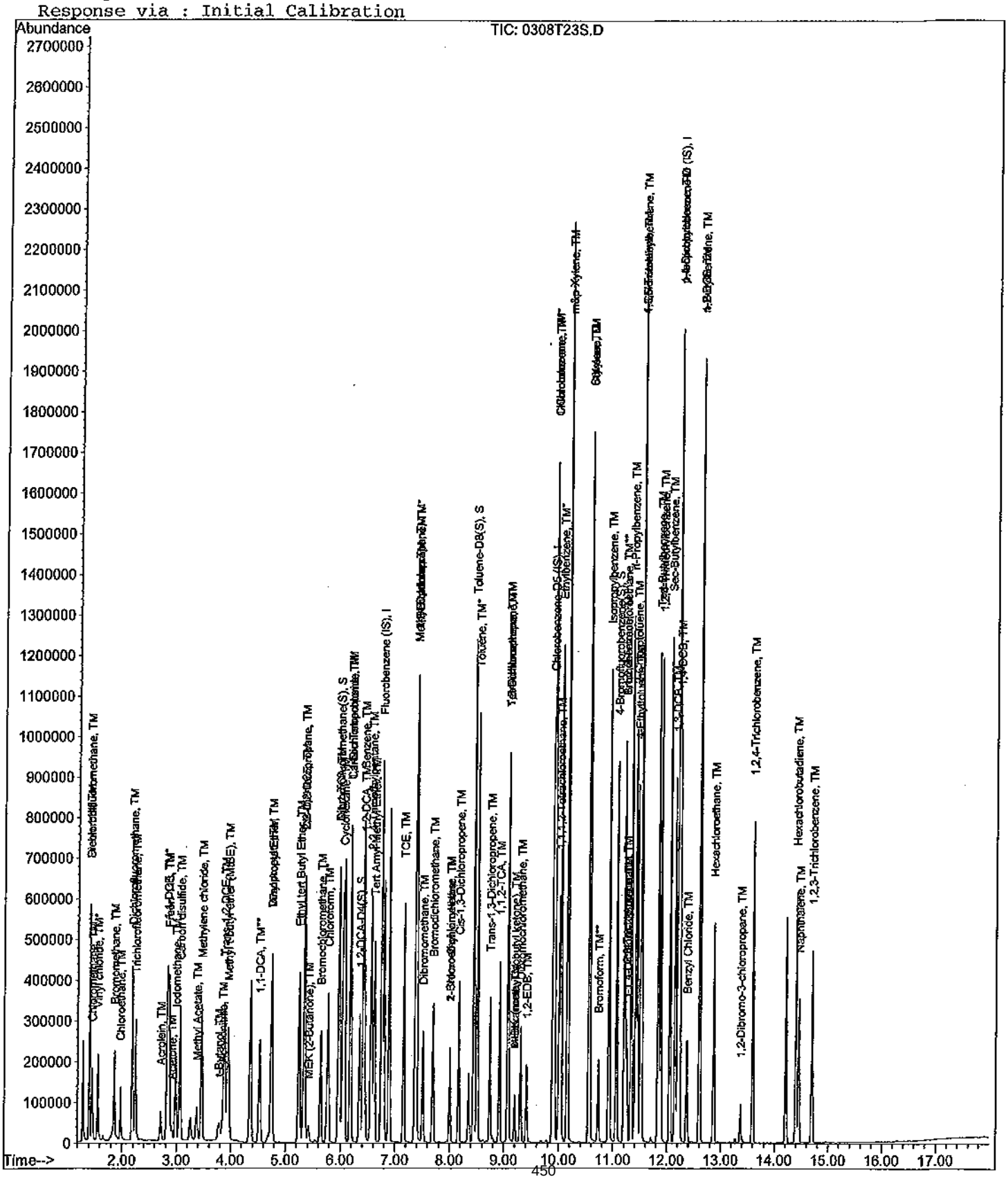
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	Methyl Cyclohexane	7.37	83	278076	94.38513 ppb		100
46)	Dibromomethane	7.51	93	89183	49.85463 ppb		97
47)	2-Chloroethyl vinyl ether	8.00	106	3259	38.39451 ppb	#	88
48)	MIBK (methyl isobutyl ket	9.20	43	69434	55.10913 ppb		99
49)	1-Bromo-2-chloroethane	8.00	63	109088	50.25361 ppb		100
50)	Cis-1,3-Dichloropropene	8.17	75	209902	53.09470 ppb		99
51)	Toluene	8.51	91	454208	66.48403 ppb		100
52)	Trans-1,3-Dichloropropene	8.74	75	173095	50.71965 ppb		99
53)	1,1,2-TCA	8.92	83	108154	49.40972 ppb		96
54)	2-Hexanone	9.20	43	69434	55.10913 ppb		99
57)	1,2-EDB	9.41	107	118963	50.48900 ppb		99
58)	Tetrachloroethene	9.07	164	162420	76.24656 ppb		98
59)	1-Chlorohexane	9.92	91	221649	83.46606 ppb		96
60)	1,1,1,2-Tetrachloroethane	10.00	131	156221	58.50894 ppb		98
61)	m&p-Xylene	10.16	106	620123	144.87586 ppb		99
62)	o-Xylene	10.55	106	286073	66.52875 ppb		99
63)	Styrene	10.56	104	473654	53.08304 ppb		99
65)	1,3-Dichloropropane	9.08	76	210728	52.53142 ppb		99
66)	Dibromochloromethane	9.31	129	141862	52.23429 ppb		100
67)	Chlorobenzene	9.92	112	456590	57.87512 ppb		99
68)	Ethylbenzene	10.04	91	807511	72.23613 ppb		100
69)	Bromoform	10.73	173	93143	50.33914 ppb		99
71)	Isopropylbenzene	10.92	105	728116	76.45713 ppb		99
72)	1,1,2,2-Tetrachloroethane	11.20	83	150350	49.28115 ppb		97
73)	1,2,3-Trichloropropane	11.24	110	42691	48.10053 ppb		97
74)	t-1,4-Dichloro-2-Butene	11.26	53	32181	50.37154 ppb		99
75)	Bromobenzene	11.21	156	195164	53.36437 ppb		99
76)	n-Propylbenzene	11.33	91	943599	75.50333 ppb		99
77)	4-Ethyltoluene	11.45	105	550670	73.94901 ppb		99
78)	2-Chlorotoluene	11.41	91	601039	65.09672 ppb		98
79)	1,3,5-Trimethylbenzene	11.51	105	661744	72.08249 ppb		100
80)	4-Chlorotoluene	11.51	91	623375	63.23547 ppb		99
81)	Tert-Butylbenzene	11.83	119	568701	77.25946 ppb		98
82)	1,2,4-Trimethylbenzene	11.88	105	644479	68.45793 ppb		99
83)	Sec-Butylbenzene	12.05	105	834752	76.91020 ppb		99
84)	p-Isopropyltoluene	12.20	119	700577	74.87104 ppb		99
85)	Benzyl Chloride	12.37	91	177636	48.90119 ppb		97
86)	1,3-DCB	12.15	146	375840	52.95794 ppb		100
87)	1,4-DCB	12.24	146	373822	50.53543 ppb		99
88)	n-Butylbenzene	12.61	91	626305	70.30436 ppb		100
89)	1,2-DCB	12.60	146	330750	48.67477 ppb		99
90)	Hexachloroethane	12.87	117	90015	50.03828 ppb		98
91)	1,2-Dibromo-3-chloropropan	13.37	157	25267	45.49873 ppb		98
92)	1,2,4-Trichlorobenzene	13.60	180	261399	48.04556 ppb		100
93)	Hexachlorobutadiene	14.40	225	122915	47.20348 ppb		98
94)	Naphthalene	14.45	128	282468	32.12262 ppb		99
95)	1,2,3-Trichlorobenzene	14.69	180	153383	34.17819 ppb		96

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

Data File : M:\THOR\DATA\T120307\0308T23S.D Vial: 23
Acq On : 7 Mar 12 17:10 Operator: DG,RS,HW,ARS,SV
Sample : AY55855S01 5.012 MSD-1ST Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 1.00

Quant Time: Mar 8 7:26 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\CHICO\DATA\C120224\0229C10W.D
Acq On : 29 Feb 12 18:56
Sample : AY55845W01
Misc : Water 10mLw/ IS&S:01-31C/01-03E

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Mar 1 11:55 2012

Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 10:38:53 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	12.80	96	599948	25.00000 ppb	-0.01
54) Chlorobenzene-D5 (IS)	17.99	117	506752	25.00000 ppb	-0.01
70) 1,4-Dichlorobenzene-D (IS)	22.18	152	288320	25.00000 ppb	-0.01
System Monitoring Compounds					
32) Dibromofluoromethane(S)	11.39	111	417343	21.49126 ppb	-0.01
Spiked Amount 22.609			Recovery =	95.054%	
37) 1,2-DCA-D4(S)	12.19	65	331370	20.70077 ppb	-0.01
Spiked Amount 21.606			Recovery =	95.812%	
55) Toluene-D8(S)	15.46	98	1612590	23.59480 ppb	-0.01
Spiked Amount 24.195			Recovery =	97.519%	
63) 4-Bromofluorobenzene(S)	20.06	95	636555	23.55978 ppb	-0.01
Spiked Amount 23.751			Recovery =	99.197%	

Target Compounds Qvalue

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

Quantitation Report

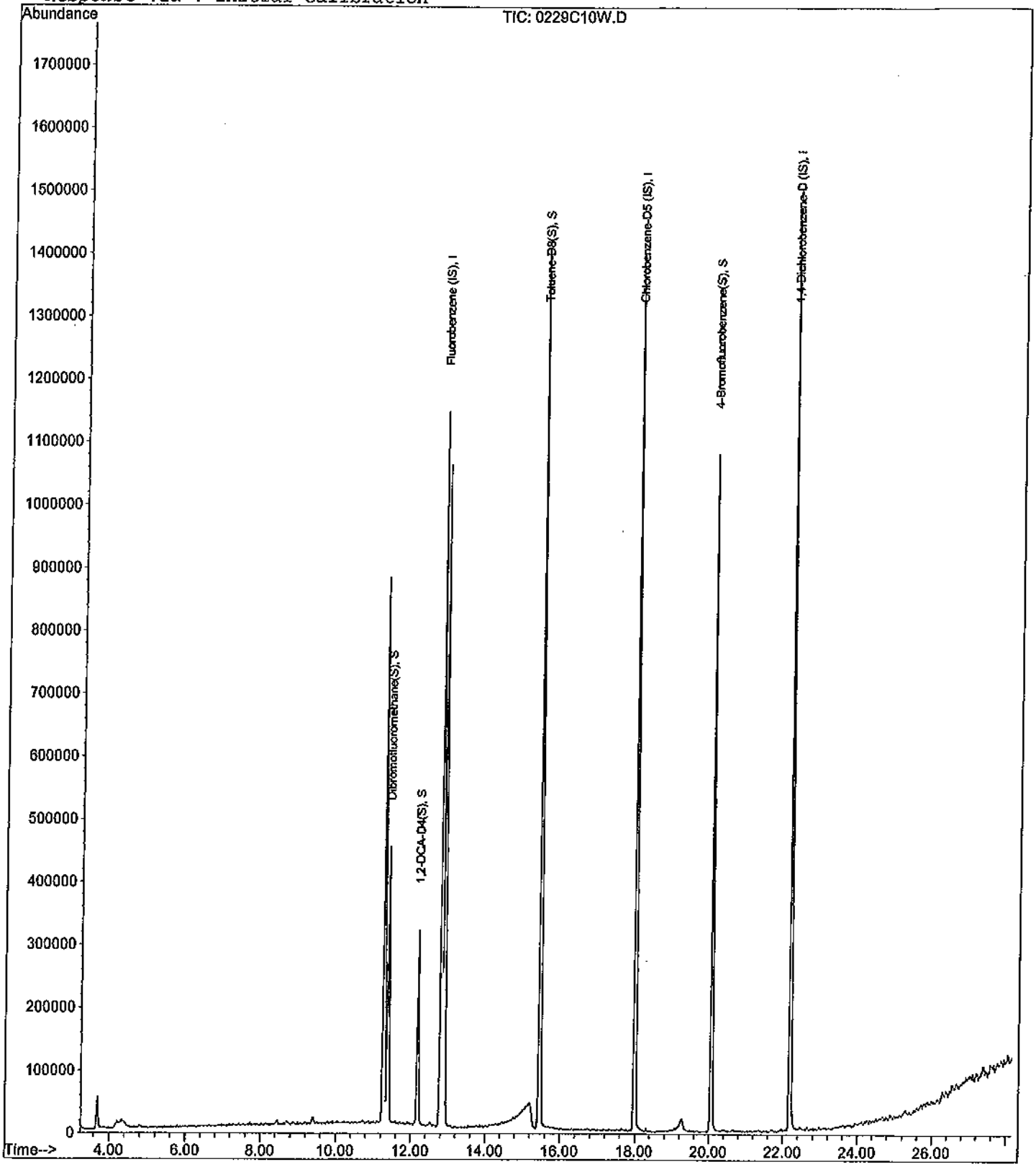
Data File : M:\CHICO\DATA\C120224\0229C10W.D
Acq On : 29 Feb 12 18:56
Sample : AY55845W01
Misc : Water 10mLw/ IS&S:01-31C/01-03E

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Mar 1 11:55 2012

Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Feb 27 10:38:53 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120305\0305N22S.D Vial: 1
Acq On : 6 Mar 12 00:13 Operator: SV,DG,RS
Sample : AY55846S01 5.015 Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 11:23 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.29	96	306560	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.46	117	176000	50.00000 ppb	0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	76264	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.89	111	217506	36.61508 ppb	0.01
Spiked Amount 41.312			Recovery = 88.631%		
34) 1,2-DCA-D4(S)	12.68	65	225461	34.99112 ppb	0.00
Spiked Amount 41.649			Recovery = 84.015%		
52) Toluene-D8(S)	15.93	98	633118	41.61950 ppb	0.00
Spiked Amount 35.274			Recovery = 117.987%		
60) 4-Bromofluorobenzene(S)	20.53	95	209084	38.75041 ppb	0.00
Spiked Amount 35.584			Recovery = 108.898%		

Target Compounds					Qvalue		
17) Methylene chloride	8.98	86	7405	1.15039 ppb	✓	90	<RL
54) Tetrachloroethene	17.22	129	3369	1.16054 ppb	# ✓	67	<RL
90) Naphthalene	26.32	128	3371	0.35916 ppb	✓	95	<RL

(#) = qualifier out of range (m) = manual integration
0305N22S.D NALLS.M Tue Mar 06 11:31:31 2012 Page 1

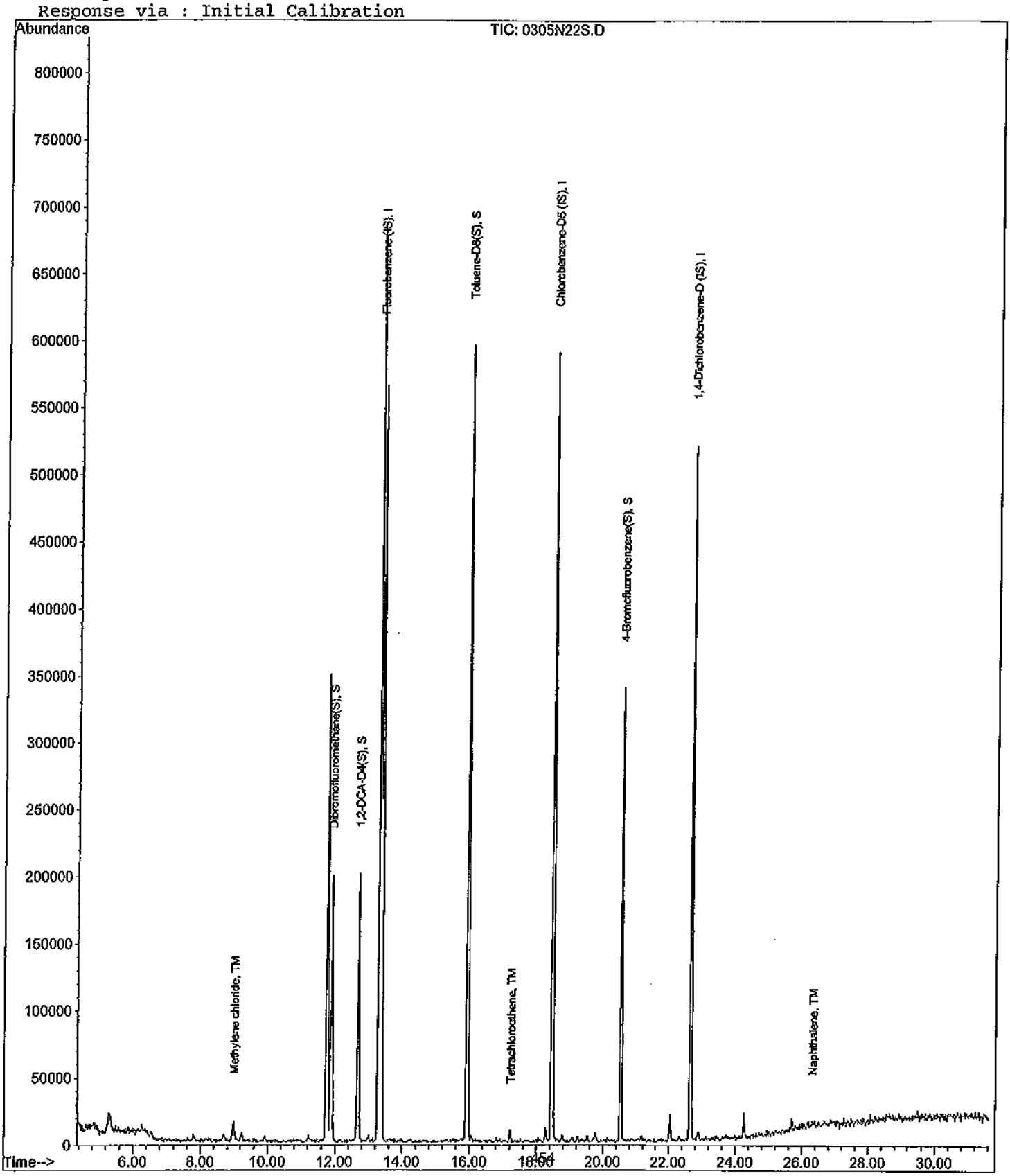
Quantitation Report

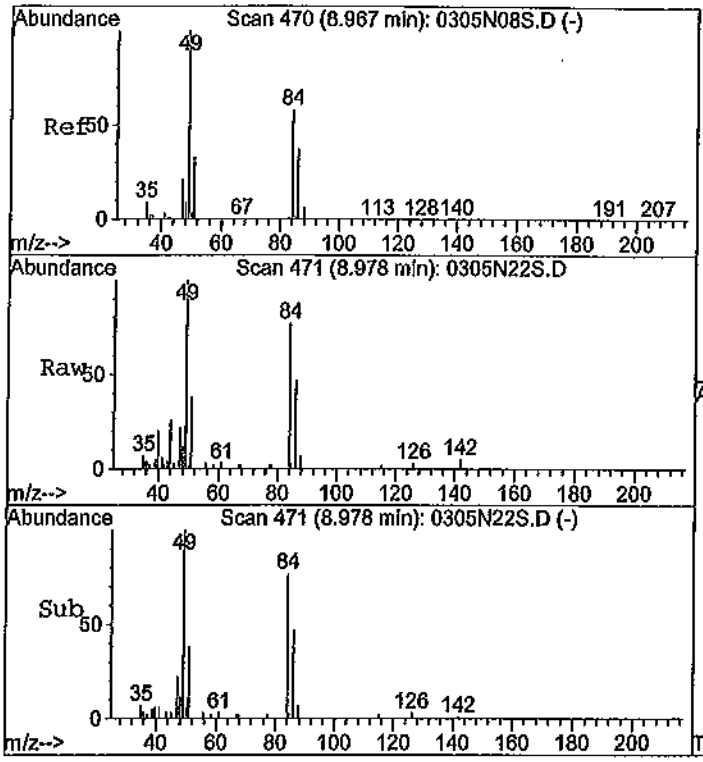
Data File : M:\NEO\DATA\N120305\0305N22S.D
Acq On : 6 Mar 12 00:13
Sample : AY55846S01 5.015
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 11:23 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:39:29 2012
Response via : Initial Calibration

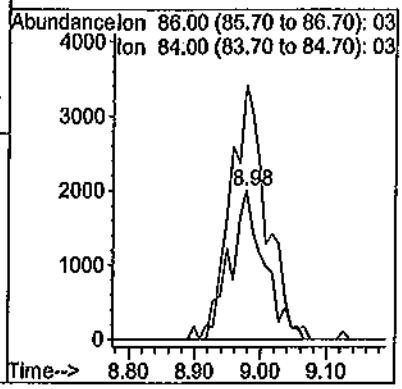


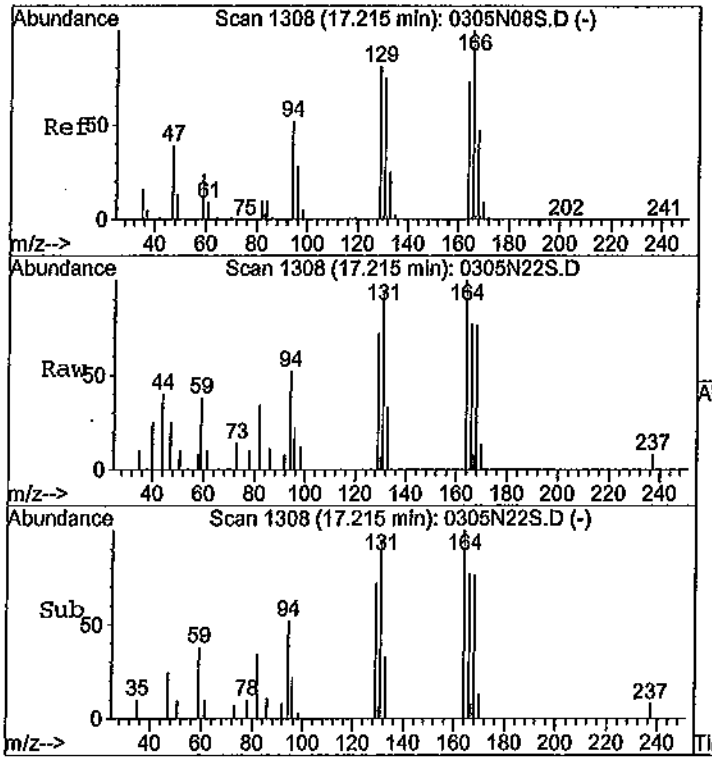


#17
Methylene chloride
Concen: 1.15039 ppb
RT: 8.98 min Scan# 471
Delta R.T. 0.01 min
Lab File: 0305N22S.D
Acq: 6 Mar 12 00:13

Tgt Ion: 86 Resp: 7405

Ion	Ratio	Lower	Upper
86	100		
84	170.1	125.5	188.3

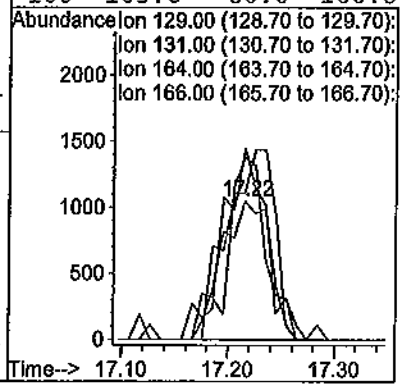


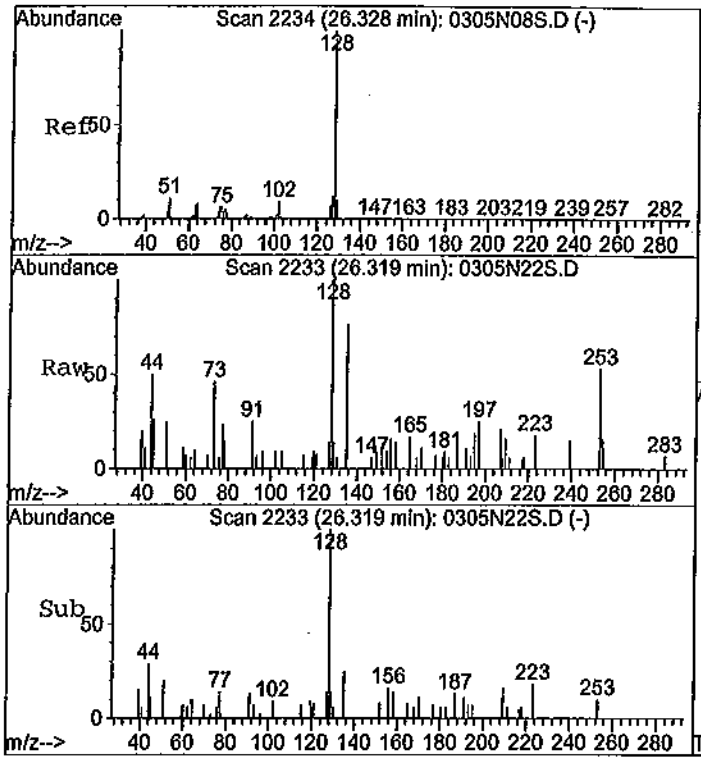


#54
Tetrachloroethene
Concen: 1.16054 ppb
RT: 17.22 min Scan# 1308
Delta R.T. 0.00 min
Lab File: 0305N22S.D
Acq: 6 Mar 12 00:13

Tgt Ion:129 Resp: 3369

Ion	Ratio	Lower	Upper
129	100		
131	131.5	65.3	121.3#
164	138.0	63.5	117.9#
166	105.6	86.6	160.8

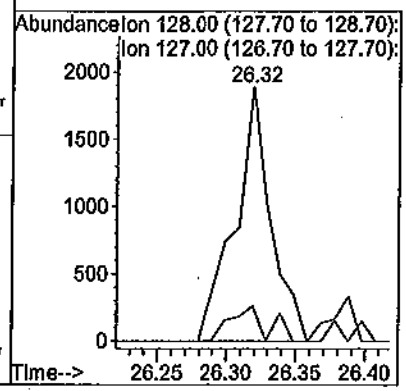




#90
Naphthalene
Concen: 0.35916 ppb
RT: 26.32 min Scan# 2233
Delta R.T. -0.01 min
Lab File: 0305N22S.D
Acq: 6 Mar 12 00:13

Tgt Ion:128 Resp: 3371

Ion	Ratio	Lower	Upper
128	100		
127	13.8	8.3	15.3



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120305\0305N23S.D Vial: 1
Acq On : 6 Mar 12 00:51 Operator: SV,DG,RS
Sample : AY55847S01 5.023 Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 11:27 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.32	96	414464	50.00000 ppb	0.03
51) Chlorobenzene-D5 (IS)	18.47	117	296000	50.00000 ppb	0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	117304	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.93	111	345492	43.01851 ppb	0.05
Spiked Amount 41.312			Recovery = 104.133%		
34) 1,2-DCA-D4(S)	12.71	65	366370	42.05668 ppb	0.03
Spiked Amount 41.649			Recovery = 100.981%		
52) Toluene-D8(S)	15.95	98	1005928	39.31878 ppb	0.01
Spiked Amount 35.274			Recovery = 111.466%		
60) 4-Bromofluorobenzene(S)	20.53	95	327453	36.03992 ppb	0.00
Spiked Amount 35.584			Recovery = 101.283%		
Target Compounds					Qvalue
17) Methylene chloride	9.06	86	15162	2.16365 ppb ✓	86
54) Tetrachloroethene	17.22	129	3847	0.78670 ppb ✓	89

(#) = qualifier out of range (m) = manual integration
0305N23S.D NALLS.M Tue Mar 06 11:31:34 2012 Page 1

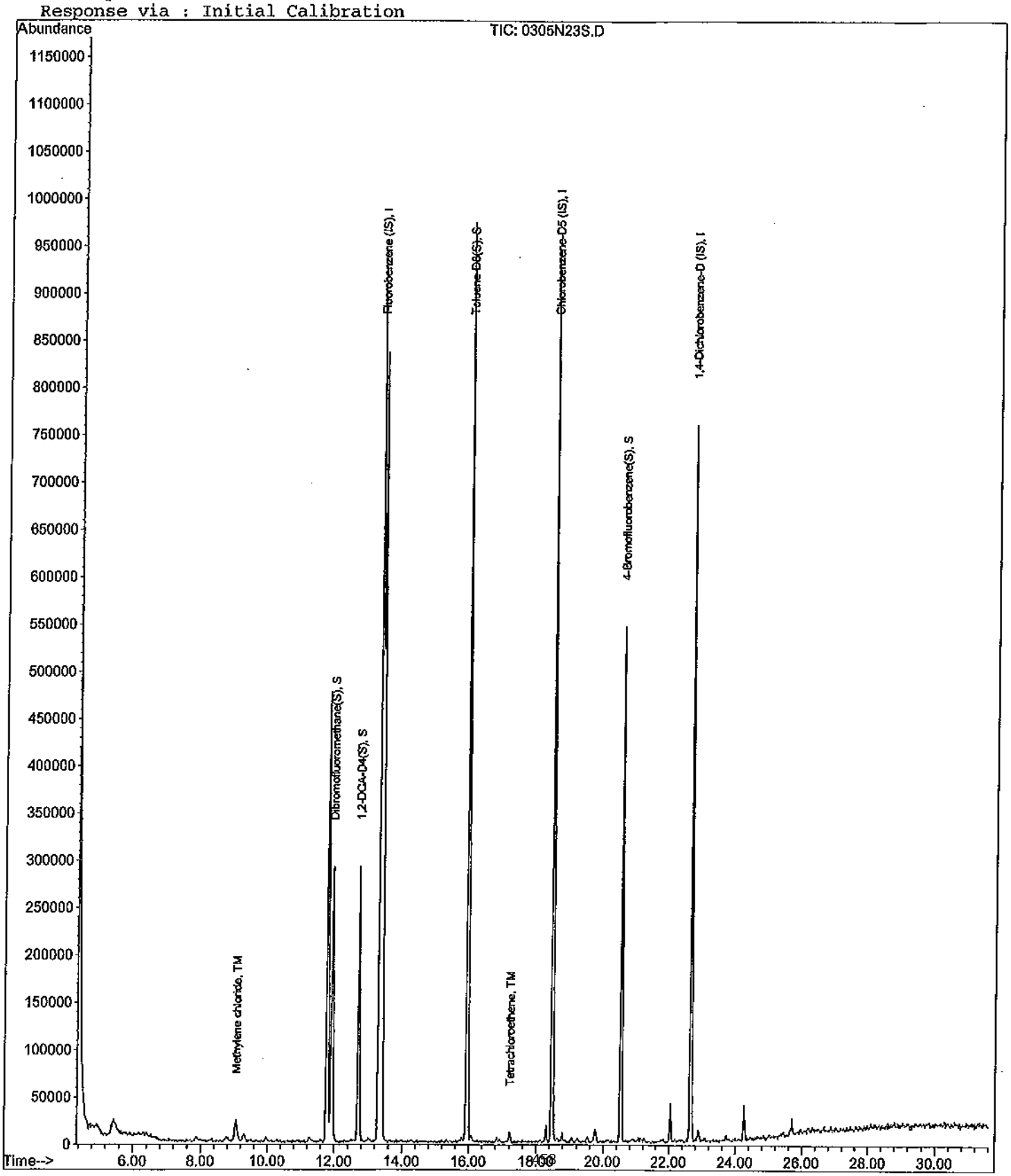
Quantitation Report

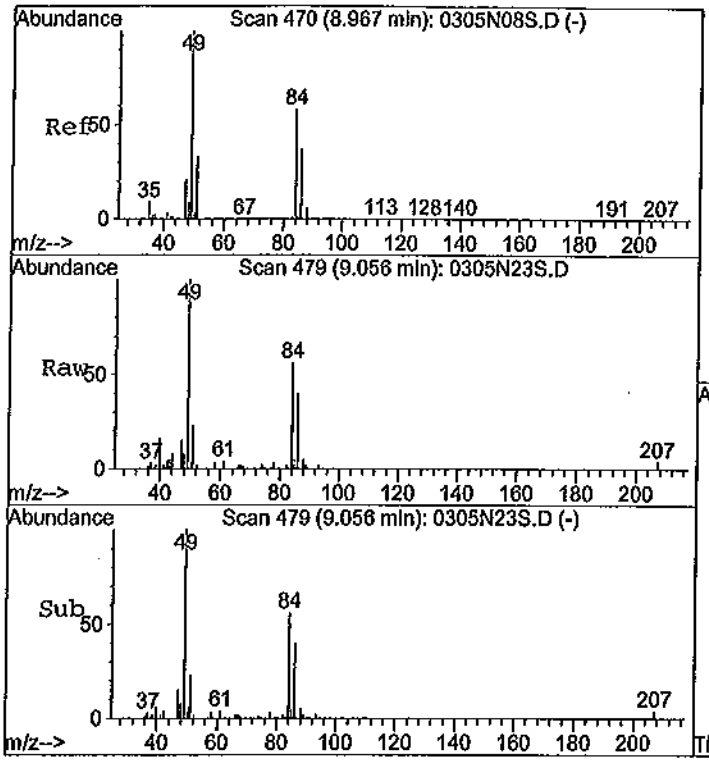
Data File : M:\NEO\DATA\N120305\0305N23S.D
Acq On : 6 Mar 12 00:51
Sample : AY55847S01 5.023
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 11:27 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:39:29 2012
Response via : Initial Calibration

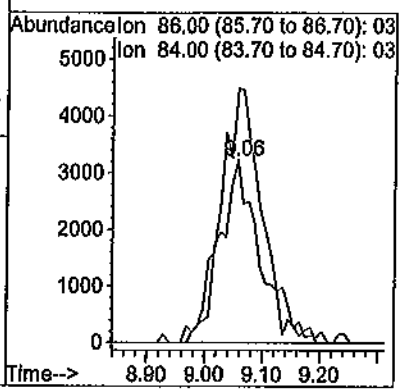


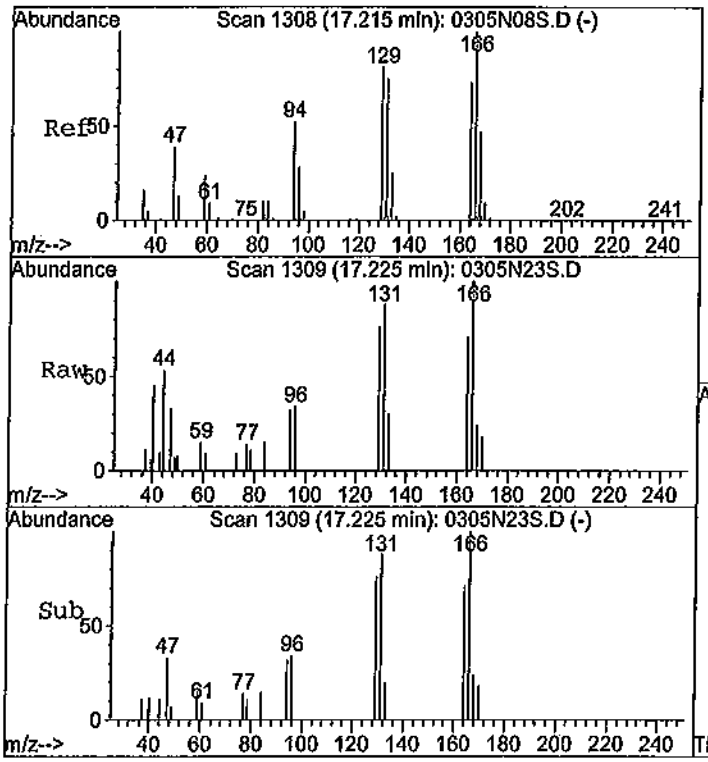


#17
Methylene chloride
Concen: 2.16365 ppb
RT: 9.06 min Scan# 479
Delta R.T. 0.09 min
Lab File: 0305N23S.D
Acq: 6 Mar 12 00:51

Tgt Ion: 86 Resp: 15162

Ion	Ratio	Lower	Upper
86	100		
84	139.1	125.5	188.3

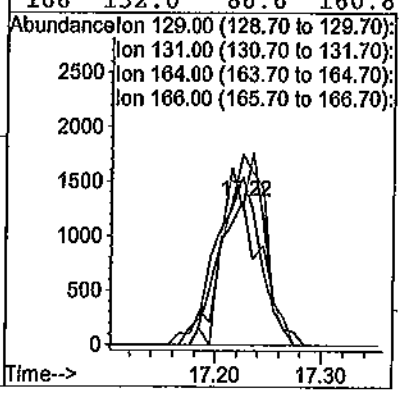




#54
Tetrachloroethene
Concen: 0.78670 ppb
RT: 17.22 min Scan# 1309
Delta R.T. 0.01 min
Lab File: 0305N23S.D
Acq: 6 Mar 12 00:51

Tgt Ion:129 Resp: 3847

Ion	Ratio	Lower	Upper
129	100		
131	116.4	65.3	121.3
164	93.5	63.5	117.9
166	132.0	86.6	160.8



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120229\0229N21S.D Vial: 1
Acq On : 29 Feb 12 23:34 Operator: SV,DG,RS
Sample : AY55848S01 5.034g Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 0.99

Quant Time: Mar 6 13:23 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Mar 01 11:14:17 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.25	96	273280	50.00000 ppb	-0.01
51) Chlorobenzene-D5 (IS)	18.43	117	205632	50.00000 ppb	-0.01
67) 1,4-Dichlorobenzene-D (IS)	22.61	152	84848	50.00000 ppb	-0.01
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.85	111	241924	46.64854 ppb	-0.01
Spiked Amount 39.047			Recovery = 119.468%		
34) 1,2-DCA-D4(S)	12.65	65	255657	46.48800 ppb	-0.01
Spiked Amount 36.407			Recovery = 127.691%		
52) Toluene-D8(S)	15.90	98	728785	39.12915 ppb	-0.01
Spiked Amount 40.407			Recovery = 96.837%		
60) 4-Bromofluorobenzene(S)	20.49	95	234790	37.78925 ppb	-0.01
Spiked Amount 38.527			Recovery = 98.084%		

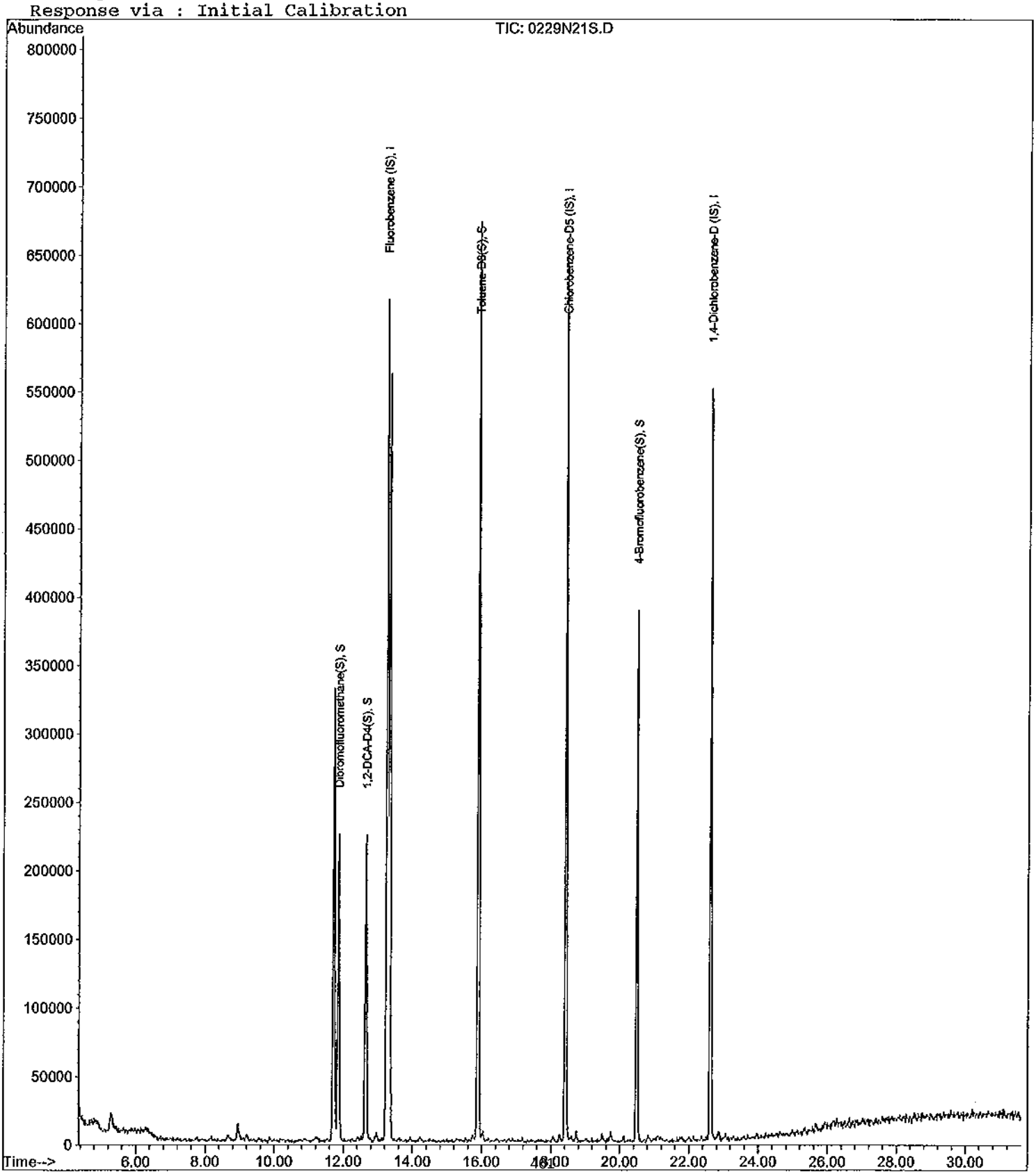
Target Compounds Qvalue

Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N21S.D Vial: 1
Acq On : 29 Feb 12 23:34 Operator: SV,DG,RS
Sample : AY55848S01 5.034g Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 0.99

Quant Time: Mar 6 13:23 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:39:29 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120229\0229N22S.D Vial: 1
Acq On : 1 Mar 12 00:11 Operator: SV,DG,RS
Sample : AY55849S01 5.035g Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 0.99

Quant Time: Mar 6 13:26 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Mar 01 11:14:17 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.25	96	288064	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.42	117	200256	50.00000 ppb	-0.02
67) 1,4-Dichlorobenzene-D (IS)	22.61	152	81984	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.85	111	248699	45.52232 ppb	0.00
Spiked Amount 39.047			Recovery = 116.582%		
34) 1,2-DCA-D4(S)	12.65	65	260951	45.04472 ppb	0.00
Spiked Amount 36.407			Recovery = 123.727%		
52) Toluene-D8(S)	15.89	98	756109	41.59401 ppb	-0.02
Spiked Amount 40.407			Recovery = 102.937%		
60) 4-Bromofluorobenzene(S)	20.48	95	236563	39.10448 ppb	-0.02
Spiked Amount 38.527			Recovery = 101.497%		
Target Compounds					Qvalue

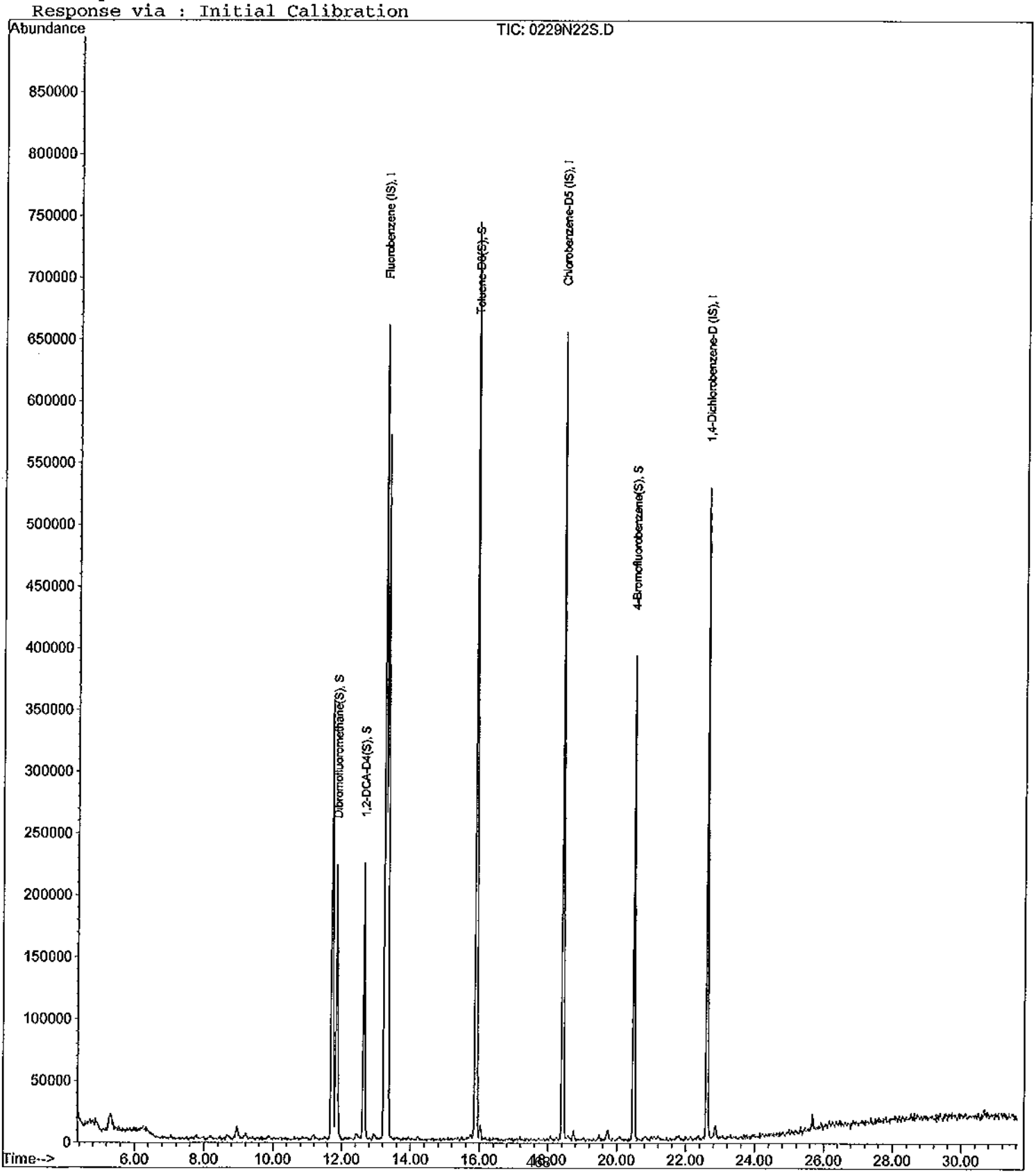
Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N22S.D
Acq On : 1 Mar 12 00:11
Sample : AY55849S01 5.035g
Misc : Soil 5mL w/ ISS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 0.99

Quant Time: Mar 6 13:26 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:39:29 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120229\0229N23S.D
Acq On : 1 Mar 12 00:49
Sample : AY55850S01 5.038g
Misc : Soil 5mL w/ ISS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 0.99

Quant Time: Mar 6 13:29 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Mar 01 11:14:17 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.25	96	314496	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.42	117	230912	50.00000 ppb	-0.02
67) 1,4-Dichlorobenzene-D (IS)	22.61	152	91016	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.85	111	280441	46.98028 ppb	-0.02
Spiked Amount 39.047			Recovery = 120.316%		
34) 1,2-DCA-D4(S)	12.63	65	291107	46.00668 ppb	-0.02
Spiked Amount 36.407			Recovery = 126.370%		
52) Toluene-D8(S)	15.89	98	851518	40.65653 ppb	-0.02
Spiked Amount 40.407			Recovery = 100.618%		
60) 4-Bromofluorobenzene(S)	20.49	95	265998	38.12711 ppb	-0.02
Spiked Amount 38.527			Recovery = 98.961%		
Target Compounds					Qvalue

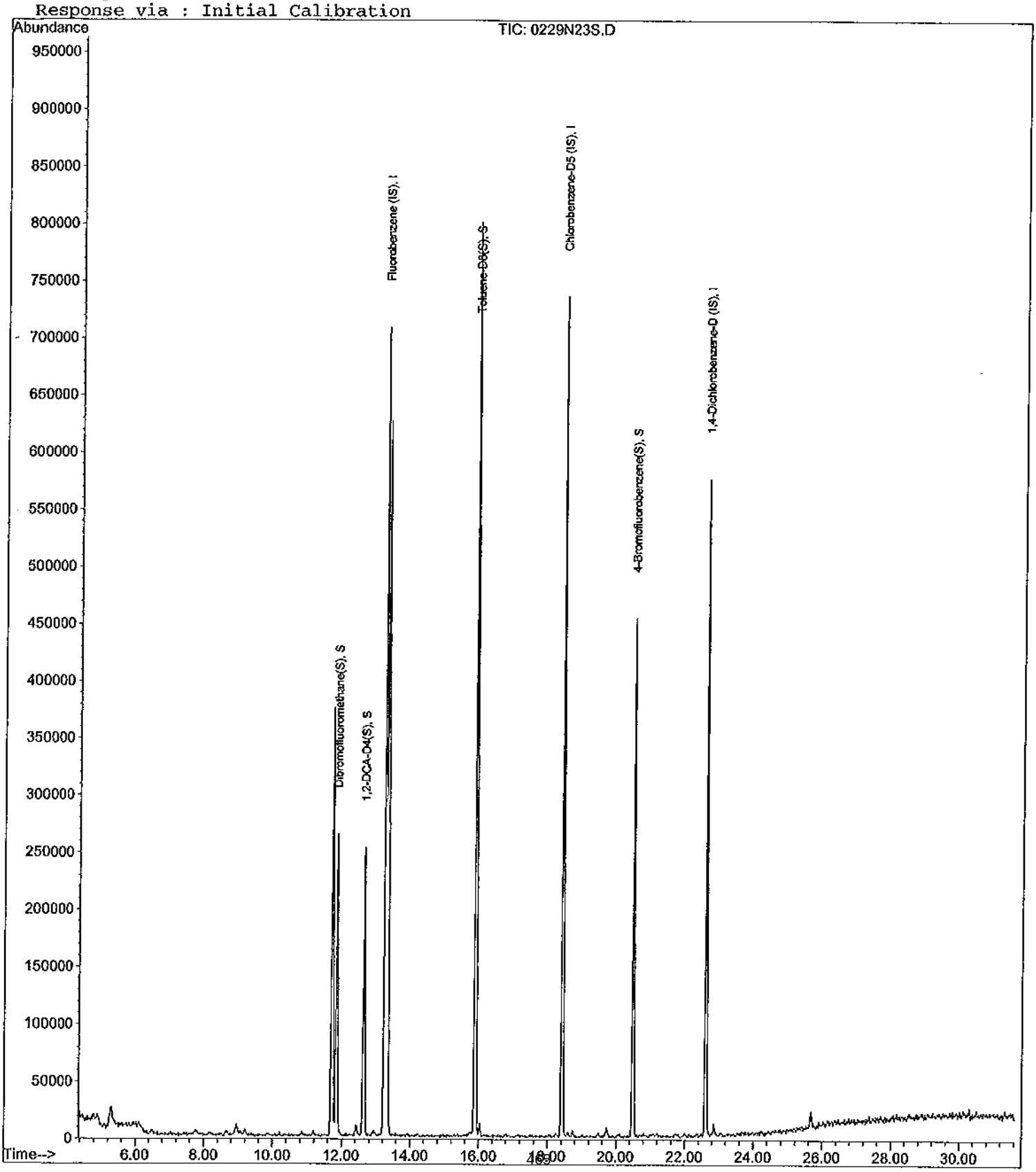
Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N23S.D
Acq On : 1 Mar 12 00:49
Sample : AY55850S01 5.038g
Misc : Soil 5mL w/ ISS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 0.99

Quant Time: Mar 6 13:29 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:39:29 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120229\0229N24S.D
Acq On : 1 Mar 12 1:27
Sample : AY55851S01 5.033g
Misc : Soil 5mL w/ ISS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 0.99

Quant Time: Mar 6 13:32 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Mar 01 11:14:17 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.25	96	334208	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.42	117	254016	50.00000 ppb	-0.02
67) 1,4-Dichlorobenzene-D (IS)	22.61	152	106400	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.86	111	263872	41.72945 ppb	0.00
Spiked Amount 39.047			Recovery = 106.868%		
34) 1,2-DCA-D4(S)	12.64	65	280114	41.74578 ppb	-0.01
Spiked Amount 36.407			Recovery = 114.666%		
52) Toluene-D8(S)	15.89	98	807669	35.24945 ppb	-0.02
Spiked Amount 40.407			Recovery = 87.235%		
60) 4-Bromofluorobenzene(S)	20.49	95	275814	35.92545 ppb	-0.02
Spiked Amount 38.527			Recovery = 93.246%		

Target Compounds Qvalue

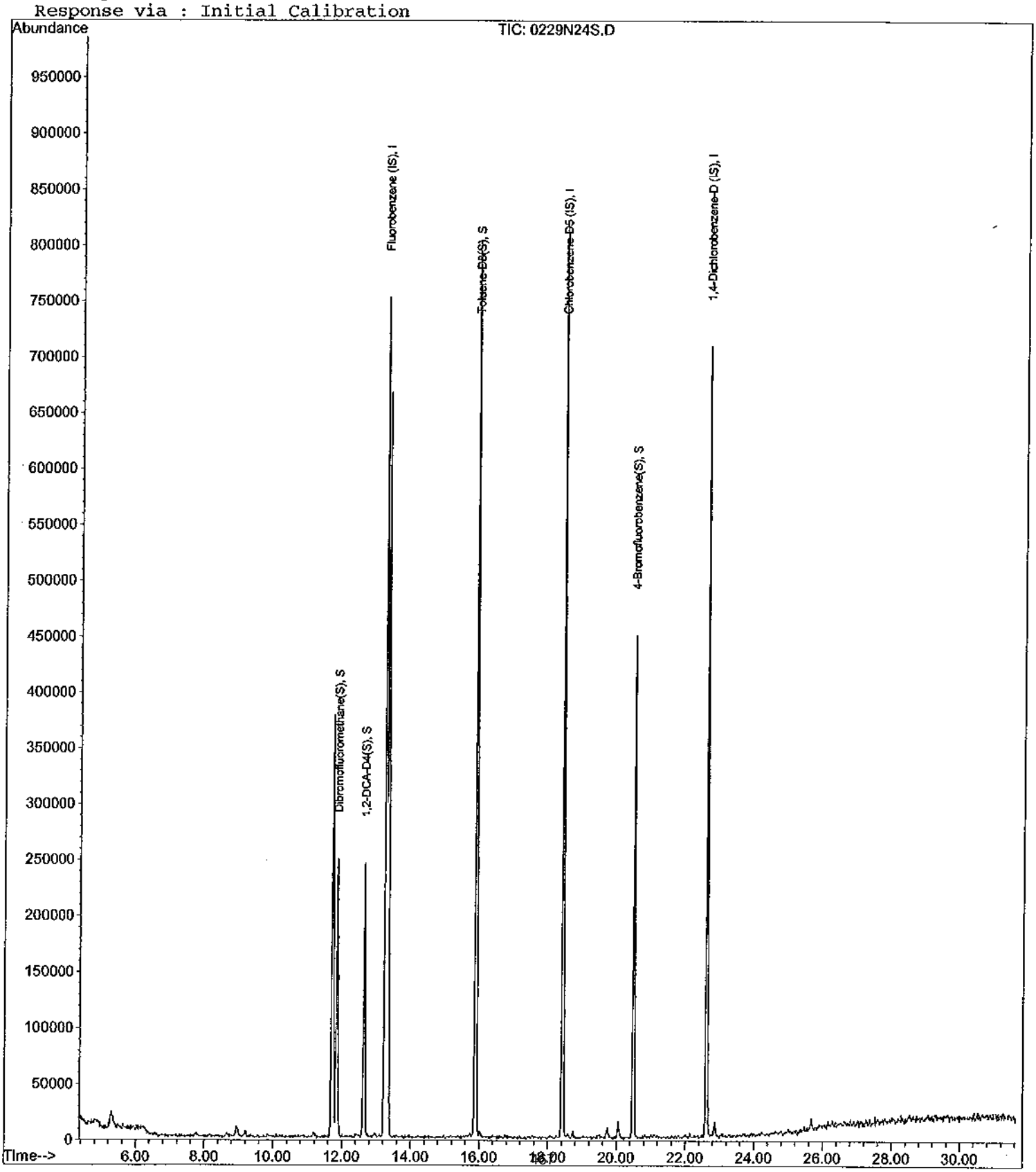
Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N24S.D
Acq On : 1 Mar 12 1:27
Sample : AY55851S01 5.033g
Misc : Soil 5mL w/ ISS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 0.99

Quant Time: Mar 6 13:32 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:39:29 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120229\0229N25S.D Vial: 1
Acq On : 1 Mar 12 2:05 Operator: SV,DG,RS
Sample : AY55852S01 5.022g Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 13:34 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Mar 01 11:14:17 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.26	96	280960	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.42	117	186880	50.00000 ppb	-0.01
67) 1,4-Dichlorobenzene-D (IS)	22.61	152	87088	50.00000 ppb	-0.01
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.86	111	235248	44.18377 ppb	0.00
Spiked Amount 39.047			Recovery = 113.155%		
34) 1,2-DCA-D4(S)	12.65	65	239227	42.39451 ppb	-0.01
Spiked Amount 36.407			Recovery = 116.448%		
52) Toluene-D8(S)	15.90	98	721504	42.49949 ppb	-0.01
Spiked Amount 40.407			Recovery = 105.177%		
60) 4-Bromofluorobenzene(S)	20.49	95	235530	41.73537 ppb	-0.01
Spiked Amount 38.527			Recovery = 108.326%		

Target Compounds Qvalue

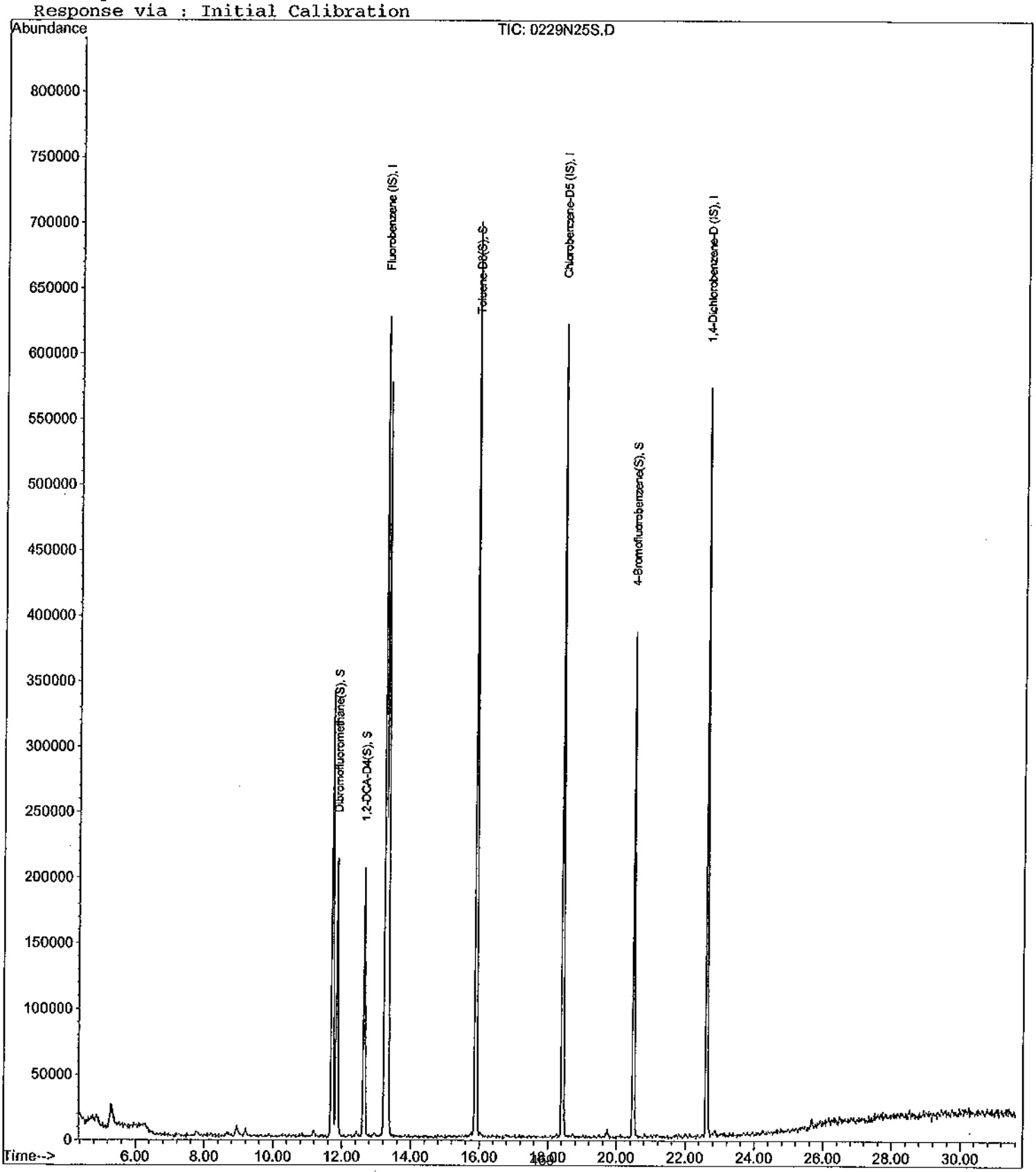
Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N25S.D
Acq On : 1 Mar 12 2:05
Sample : AY55852S01 5.022g
Misc : Soil 5mL w/ ISS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 13:34 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:39:29 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120229\0229N26S.D Vial: 1
Acq On : 1 Mar 12 2:43 Operator: SV,DG,RS
Sample : AY55853S01 5.053g Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 0.99

Quant Time: Mar 6 13:36 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Mar 01 11:14:17 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.26	96	270336	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.43	117	206016	50.00000 ppb	-0.01
67) 1,4-Dichlorobenzene-D (IS)	22.62	152	87360	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.85	111	249301	48.54640 ppb	-0.01
Spiked Amount 39.047			Recovery = 124.326%		
34) 1,2-DCA-D4(S)	12.65	65	268820	49.35559 ppb	0.00
Spiked Amount 36.407			Recovery = 135.568%		
52) Toluene-D8(S)	15.90	98	776953	41.54730 ppb	-0.01
Spiked Amount 40.407			Recovery = 102.821%		
60) 4-Bromofluorobenzene(S)	20.49	95	253486	40.73965 ppb	-0.01
Spiked Amount 38.527			Recovery = 105.743%		
Target Compounds					Qvalue

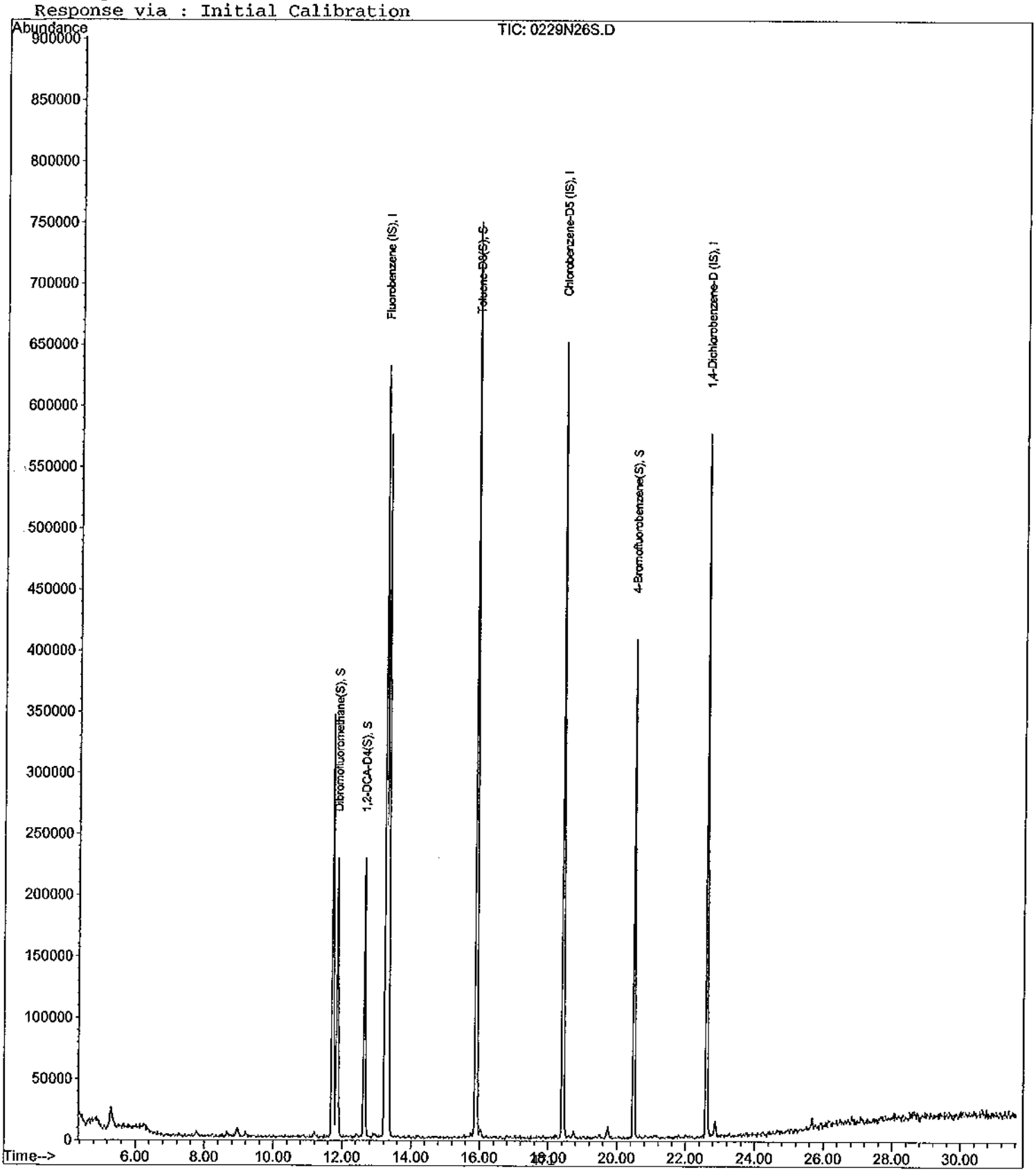
Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N26S.D
Acq On : 1 Mar 12 2:43
Sample : AY55853S01 5.053g
Misc : Soil 5mL w/ ISS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 0.99

Quant Time: Mar 6 13:36 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:39:29 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120229\0229N27S.D Vial: 1
Acq On : 1 Mar 12 3:21 Operator: SV,DG,RS
Sample : AY55854S01 5.034g Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 0.99

Quant Time: Mar 6 13:37 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Mar 01 11:14:17 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.26	96	283584	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.43	117	199424	50.00000 ppb	-0.01
67) 1,4-Dichlorobenzene-D (IS)	22.62	152	81200	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.85	111	240853	44.80137 ppb	0.00
Spiked Amount 39.047			Recovery = 114.735%		
34) 1,2-DCA-D4(S)	12.65	65	261324	45.80576 ppb	0.00
Spiked Amount 36.407			Recovery = 125.818%		
52) Toluene-D8(S)	15.90	98	713422	39.48347 ppb	-0.01
Spiked Amount 40.407			Recovery = 97.713%		
60) 4-Bromofluorobenzene(S)	20.49	95	211926	35.15564 ppb	-0.01
Spiked Amount 38.527			Recovery = 91.250%		

Target Compounds Qvalue

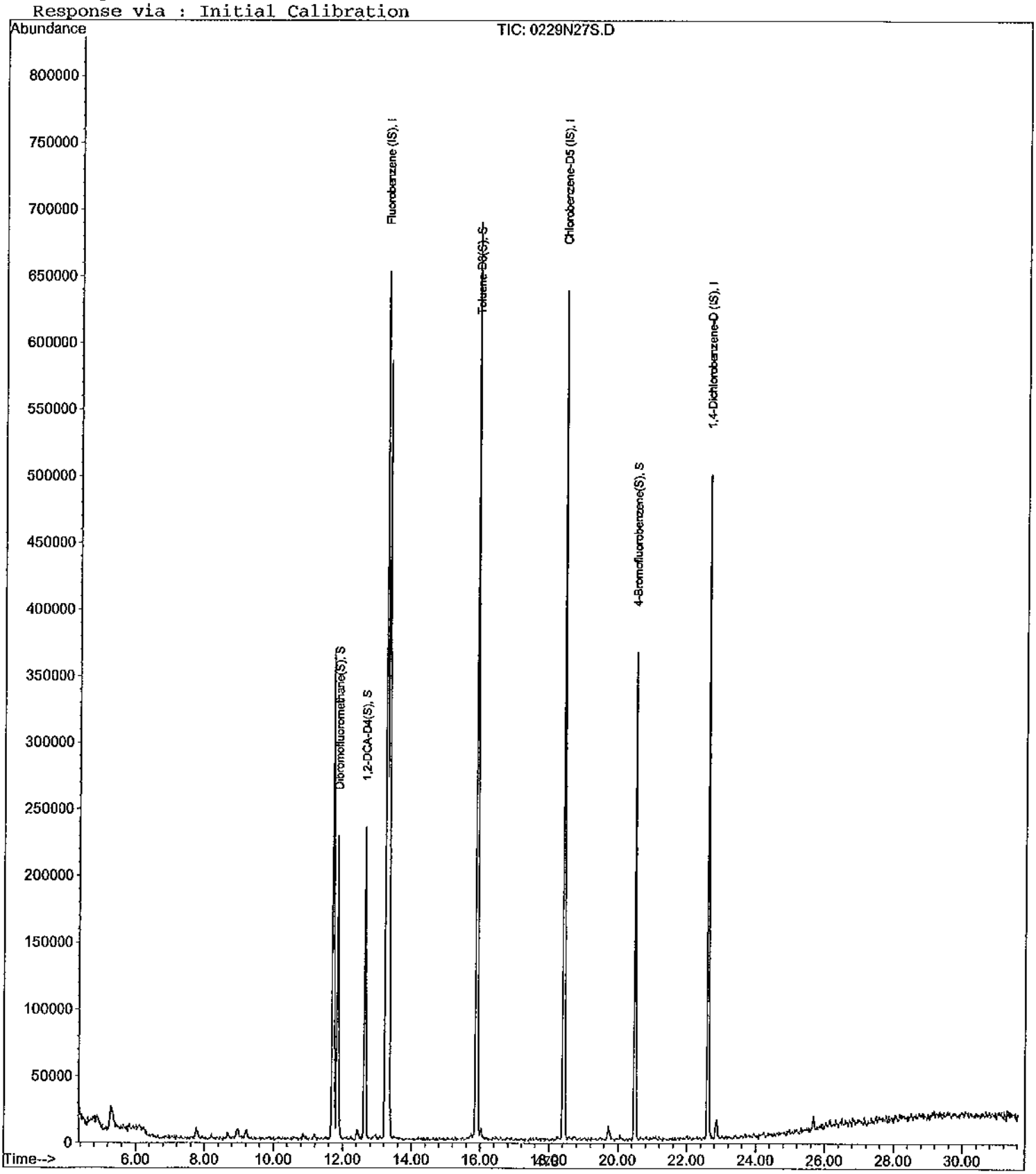
Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N27S.D
Acq On : 1 Mar 12 3:21
Sample : AY55854S01 5.034g
Misc : Soil 5mL w/ ISS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 0.99

Quant Time: Mar 6 13:37 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:39:29 2012
Response via : Initial Calibration



Data File : M:\THOR\DATA\T120307\0307T17S.D Vial: 17
Acq On : 7 Mar 12 14:58 Operator: DG,RS,HW,ARS,SV
Sample : AY55855S01 5.053 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 0.99

Quant Time: Mar 7 15:56 2012 Quant Results File: TALLS.RES

Quant Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 08 09:48:07 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

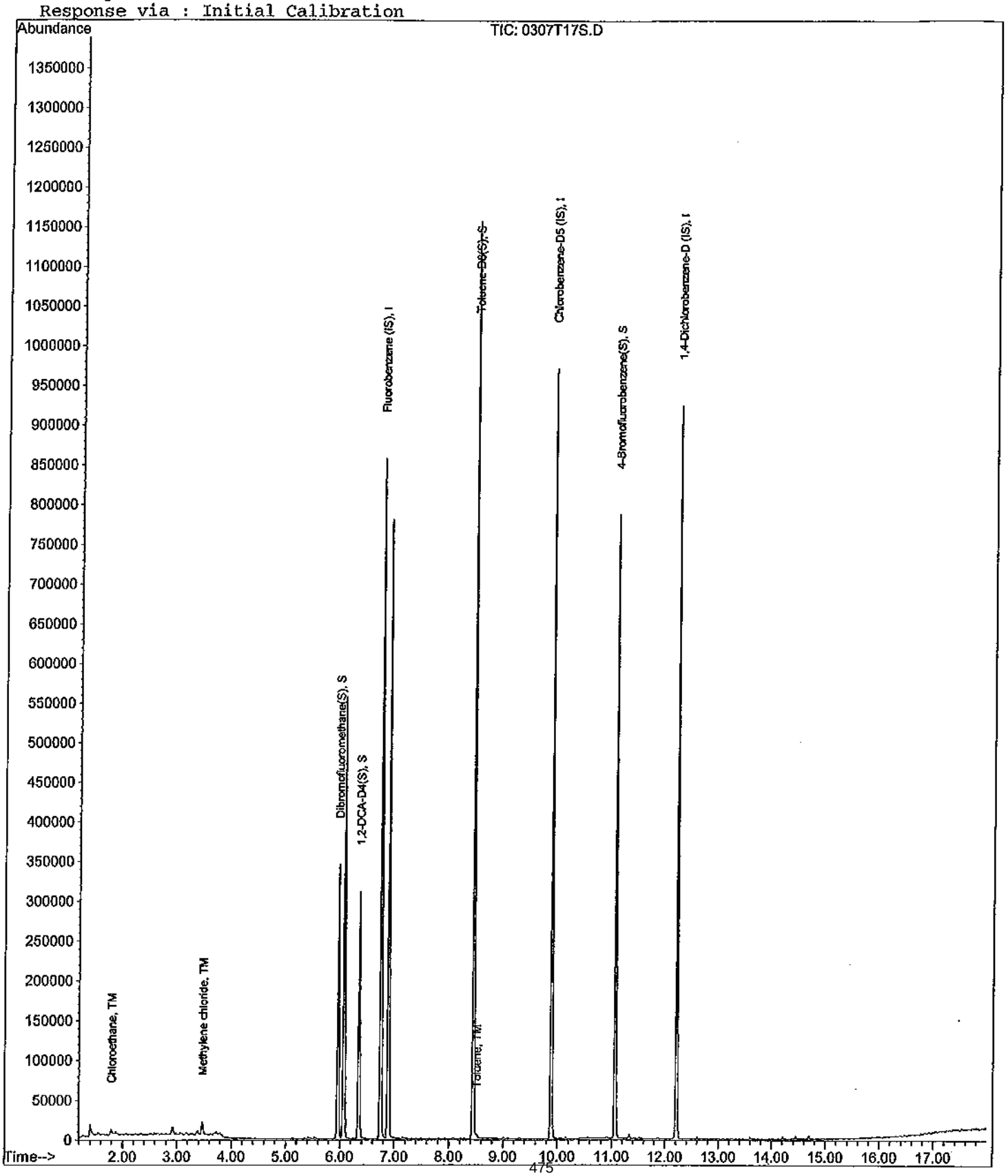
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	417280	50.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	338176	50.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	163392	50.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.97	111	202772	76.98609 ppb	0.00
Spiked Amount 74.267			Recovery = 103.661%		
36) 1,2-DCA-D4(S)	6.35	65	209427	68.09343 ppb	0.00
Spiked Amount 65.341			Recovery = 104.212%		
56) Toluene-D8(S)	8.45	98	720310	85.16980 ppb	0.00
Spiked Amount 83.313			Recovery = 102.229%		
64) 4-Bromofluorobenzene(S)	11.06	95	240221	69.18483 ppb	0.00
Spiked Amount 77.736			Recovery = 89.000%		
Target Compounds					Qvalue
7) Chloroethane	1.80	49	529	2.06126 ppb #	84 <RL
18) Methylene chloride	3.47	84	8314	1.23861 ppb	96 <RL
51) Toluene	8.51	91	1501	0.24668 ppb	93 <MRL

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

Data File : M:\THOR\DATA\T120307\0307T17S.D Vial: 17
Acq On : 7 Mar 12 14:58 Operator: DG,RS,HW,ARS,SV
Sample : AY55855S01 5.053 Inst : Thor
Misc : 5ml w/5ul of IS: 12-25-11 | GF=5 | 150:1 Multiplr: 0.99

Quant Time: Mar 7 15:56 2012 Quant Results File: TALLS.RES

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Mar 07 14:10:30 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120229\0229N28S.D Vial: 1
Acq On : 1 Mar 12 3:59 Operator: SV,DG,RS
Sample : AY55856S01 5.011g Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 13:39 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Mar 01 11:14:17 2012
Response via : Initial Calibration
DataAcq Meth : V8260

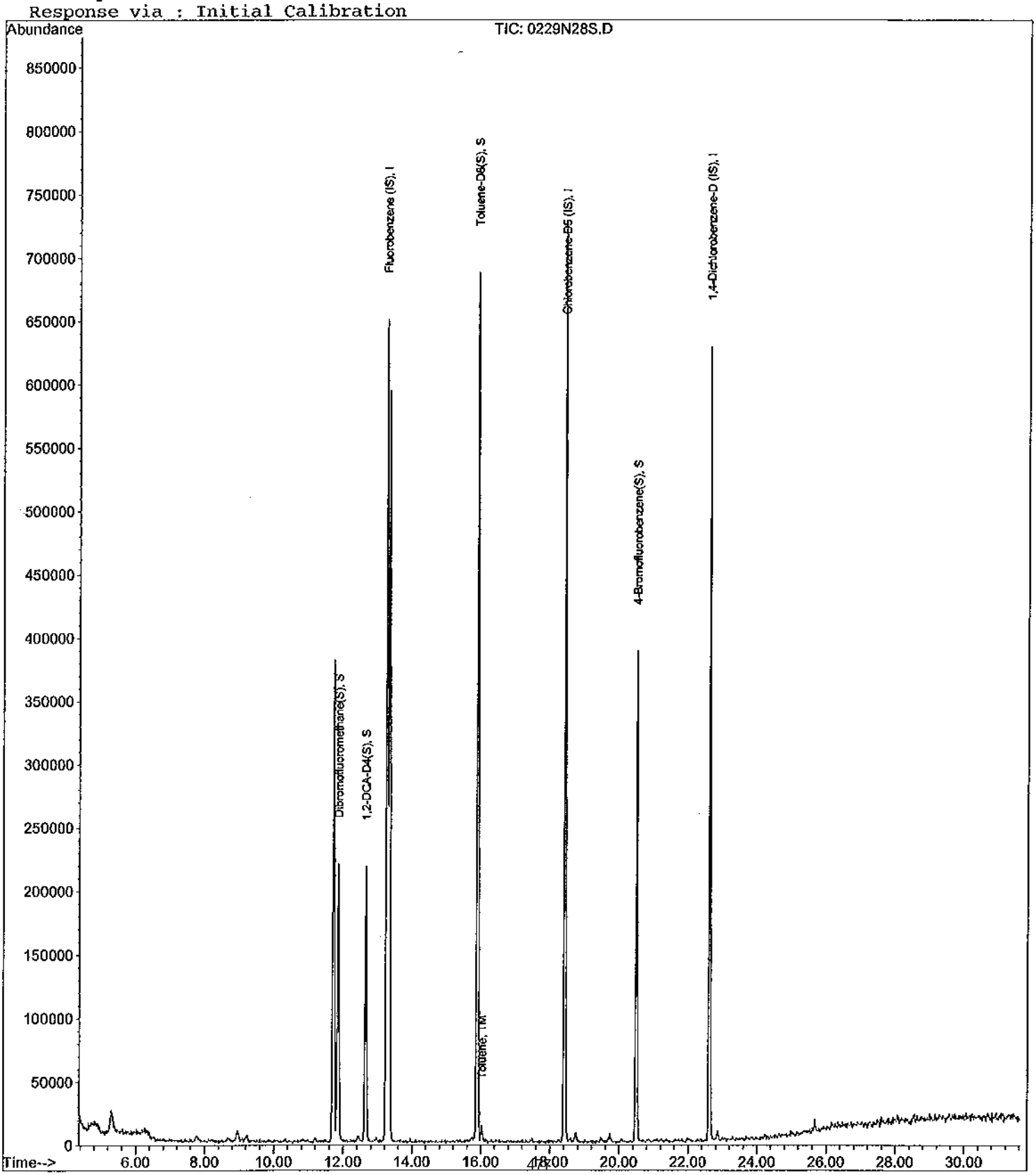
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.25	96	284608	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.42	117	222976	50.00000 ppb	-0.02
67) 1,4-Dichlorobenzene-D (IS)	22.61	152	96144	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.86	111	240912	44.65498 ppb	0.00
Spiked Amount 39.047			Recovery = 114.362%		
34) 1,2-DCA-D4(S)	12.64	65	253602	44.32287 ppb	-0.01
Spiked Amount 36.407			Recovery = 121.744%		
52) Toluene-D8(S)	15.89	98	722614	35.90051 ppb	-0.02
Spiked Amount 40.407			Recovery = 88.848%		
60) 4-Bromofluorobenzene(S)	20.49	95	233684	34.66733 ppb	-0.02
Spiked Amount 38.527			Recovery = 89.981%		
Target Compounds					Qvalue
48) Toluene	16.02	91	13442	0.59561 ppb	89

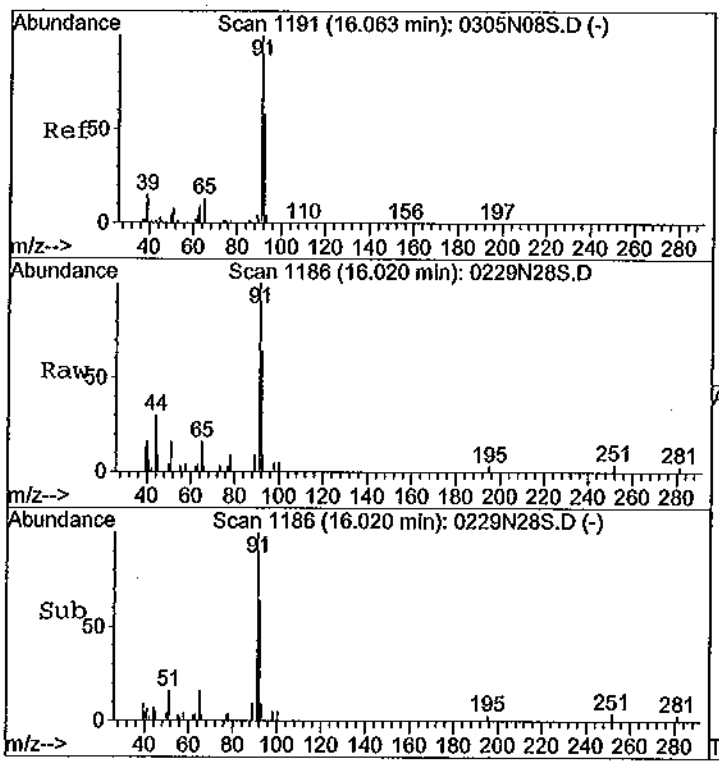
Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N28S.D Vial: 1
Acq On : 1 Mar 12 3:59 Operator: SV,DG,RS
Sample : AY55856S01 5.011g Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 13:39 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:39:29 2012
Response via : Initial Calibration

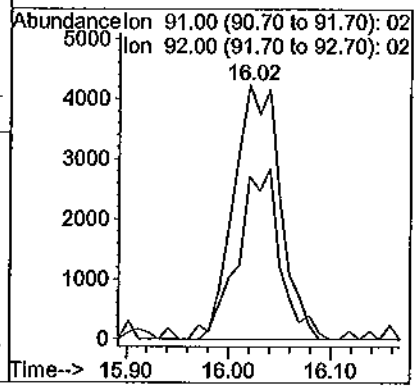




#48
Toluene
Concen: 0.59561 ppb
RT: 16.02 min Scan# 1186
Delta R.T. -0.03 min
Lab File: 0229N28S.D
Acq: 1 Mar 12 3:59

Tgt Ion: 91 Resp: 13442

Ion	Ratio	Lower	Upper
91	100		
92	64.1	39.5	73.3



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120229\0229N29S.D Vial: 1
Acq On : 1 Mar 12 4:36 Operator: SV,DG,RS
Sample : AY55869S01 5.021g Inst : Neo
Misc : Soil 5mL w/ ISS:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 13:41 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Mar 01 11:14:17 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.25	96	275776	50.00000 ppb	-0.01
51) Chlorobenzene-D5 (IS)	18.43	117	208256	50.00000 ppb	-0.01
67) 1,4-Dichlorobenzene-D (IS)	22.61	152	87192	50.00000 ppb	-0.01
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.85	111	235493	45.03831 ppb	-0.01
Spiked Amount 39.047			Recovery = 115.342%		
34) 1,2-DCA-D4(S)	12.65	65	253286	45.65690 ppb	-0.01
Spiked Amount 36.407			Recovery = 125.408%		
52) Toluene-D8(S)	15.90	98	732473	38.84235 ppb	-0.01
Spiked Amount 40.407			Recovery = 96.127%		
60) 4-Bromofluorobenzene(S)	20.49	95	244062	38.79252 ppb	-0.01
Spiked Amount 38.527			Recovery = 100.690%		

Target Compounds Qvalue

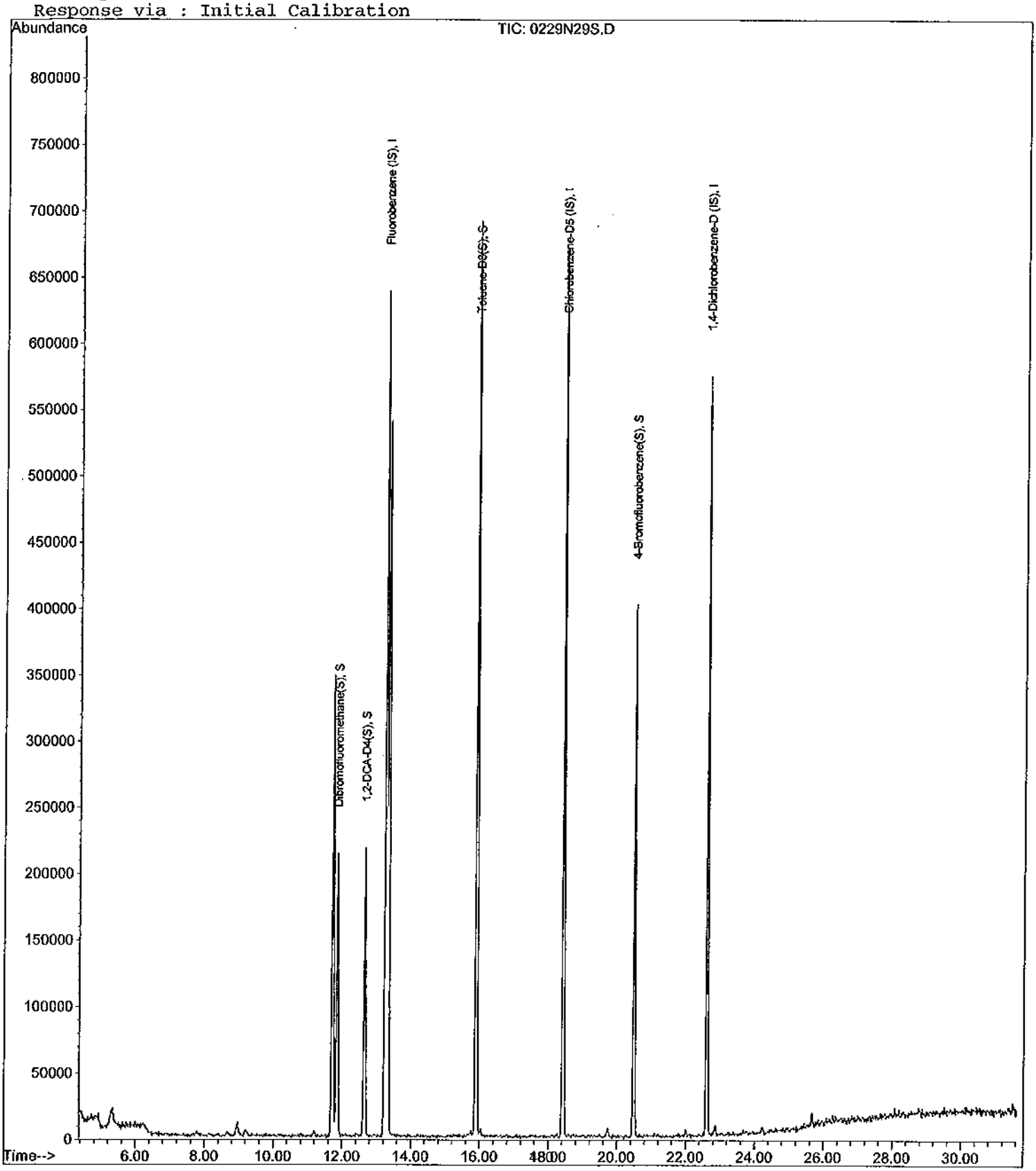
Quantitation Report

Data File : M:\NEO\DATA\N120229\0229N29S.D
Acq On : 1 Mar 12 4:36
Sample : AY55869S01 5.021g
Misc : Soil 5mL w/ ISS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 6 13:41 2012 Quant Results File: NALLS.RES

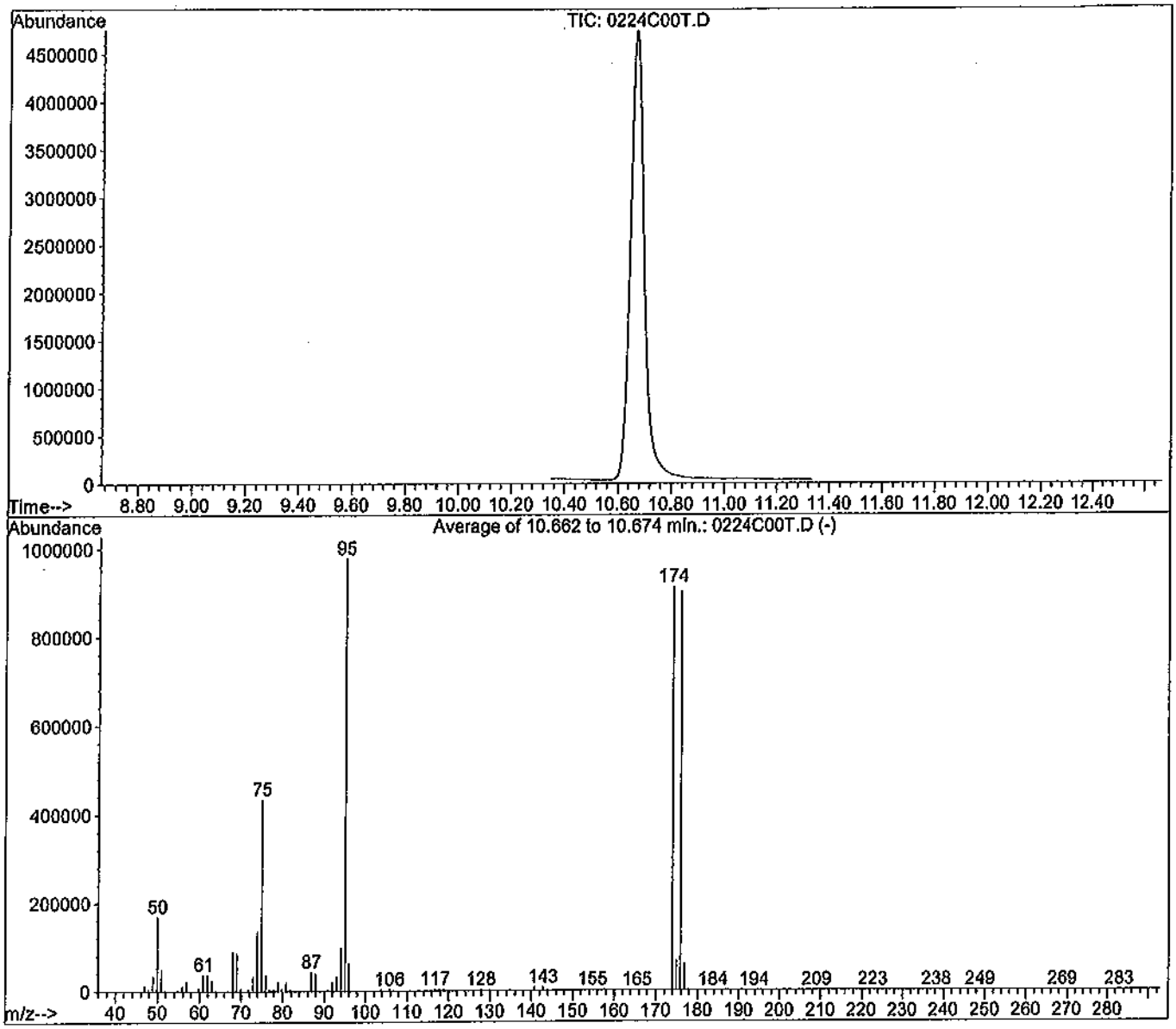
Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:39:29 2012
Response via : Initial Calibration



Data File : M:\CHICO\DATA\C120224\0224C00T.D
Acq On : 24 Feb 12 9:12
Sample : 25ug/mL BFB Std 02-13-12A
Misc : 2uL

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260

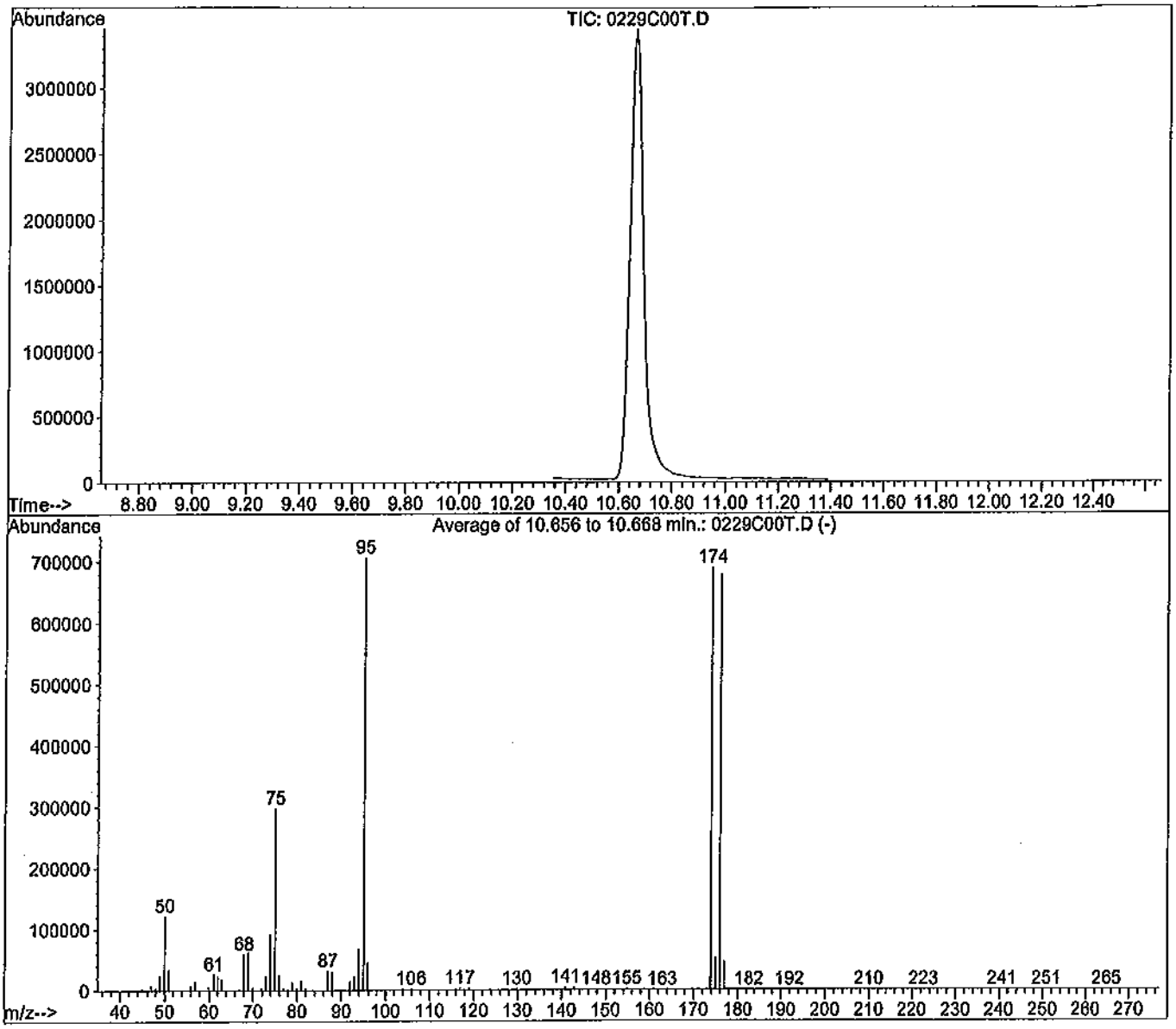


Spectrum Information: Average of 10.662 to 10.674 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	169859	PASS
75	95	30	60	44.4	434319	PASS
95	95	100	100	100.0	978411	PASS
96	95	5	9	6.5	63344	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	93.4	914069	PASS
175	174	5	9	7.4	67363	PASS
176	174	95	101	98.8	903317	PASS
177	176	5	9	6.6	59503	PASS

Data File : M:\CHICO\DATA\C120224\0229C00T.D Vial: 1
Acq On : 29 Feb 12 12:50 Operator: RS, ARS
Sample : 25ug/mL BFB Std 02-13-12A Inst : Chico
Misc : 2uL Multiplr: 1.00

Method : M:\CHICO\DATA\C120224\CALLW.M (RTE Integrator)
Title : METHOD 8260



Spectrum Information: Average of 10.656 to 10.668 min.

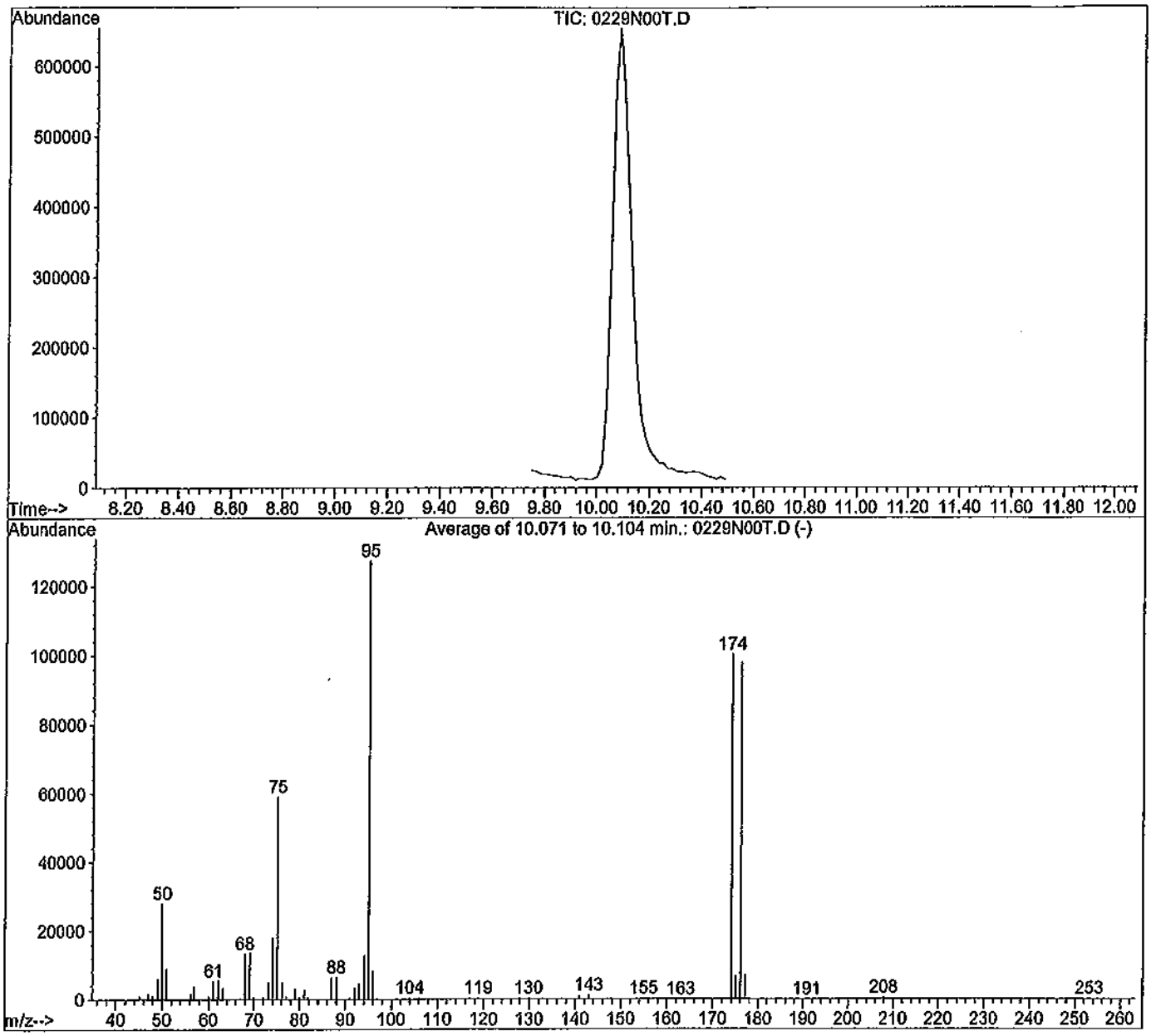
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	122087	PASS
75	95	30	60	42.2	298432	PASS
95	95	100	100	100.0	707392	PASS
96	95	5	9	6.5	45635	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	97.5	689813	PASS
175	174	5	9	7.5	51499	PASS
176	174	95	101	98.5	679275	PASS
177	176	5	9	6.7	45372	PASS

BFB

Data File : M:\NEO\DATA\N120229\0229N00T.D
Acq On : 29 Feb 12 10:15
Sample : 25ug/mL BFB Std 2-13-12
Misc : 1uL

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B



AutoFind: Scans 20, 21, 22; Background Corrected with Scan 10

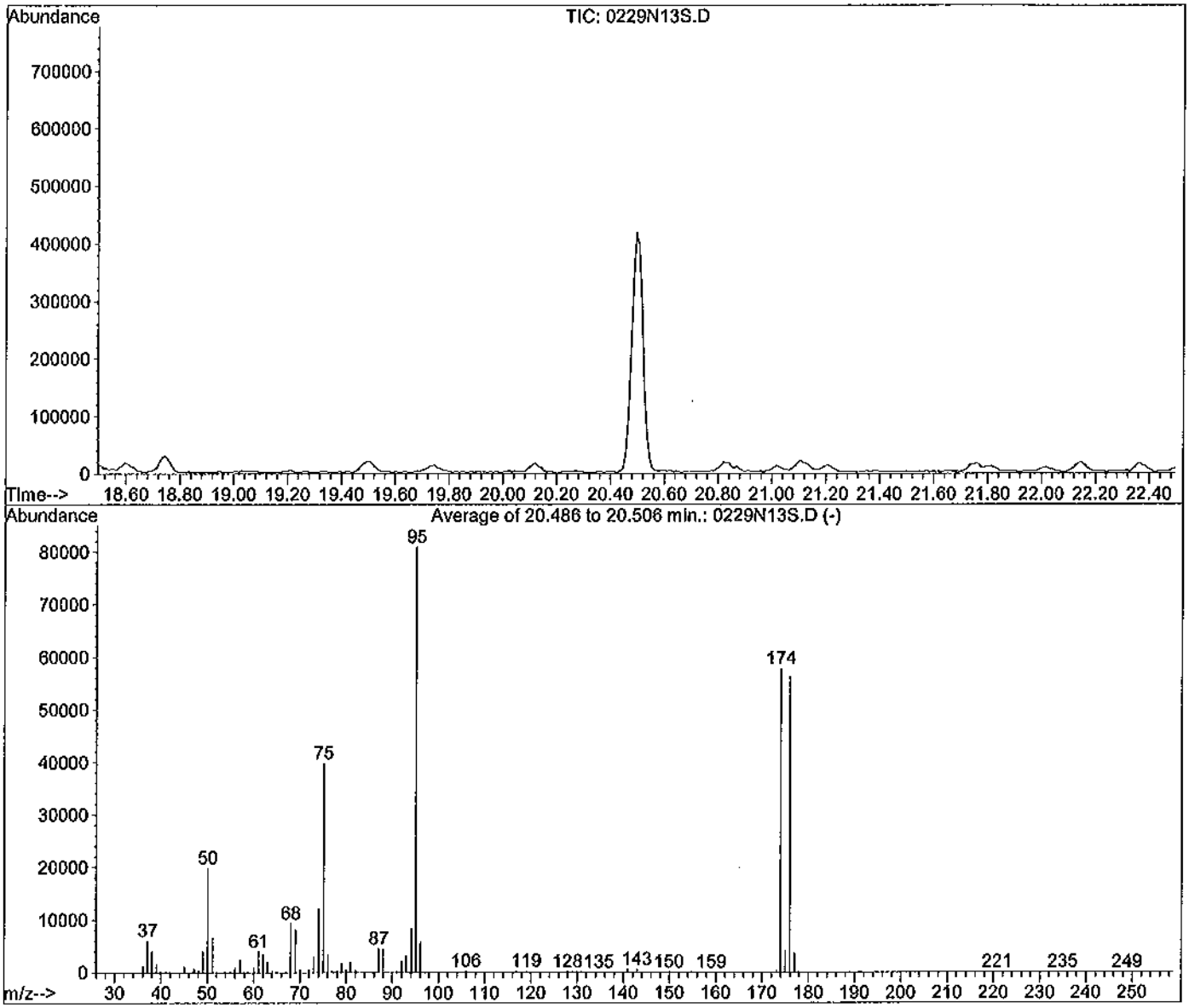
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	28115	PASS
75	95	30	60	46.4	59151	PASS
95	95	100	100	100.0	127493	PASS
96	95	5	9	6.5	8337	PASS
173	174	0.00	2	0.1	89	PASS
174	95	50	100	78.7	100285	PASS
175	174	5	9	6.6	6600	PASS
176	174	95	101	97.6	97909	PASS
177	176	5	9	7.2	7030	PASS

0229N00T.D NALLS.M Thu Mar 01 12:00:15 2012

Data File : M:\NEO\DATA\N120229\0229N13S.D
Acq On : 29 Feb 12 18:31
Sample : 25ug/mL BFB Std 2-13-12
Misc : 1uL

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Method : M:\NEO\DATA\N120229\NALLS.M (RTE Integrator)
Title : METHOD 8260B



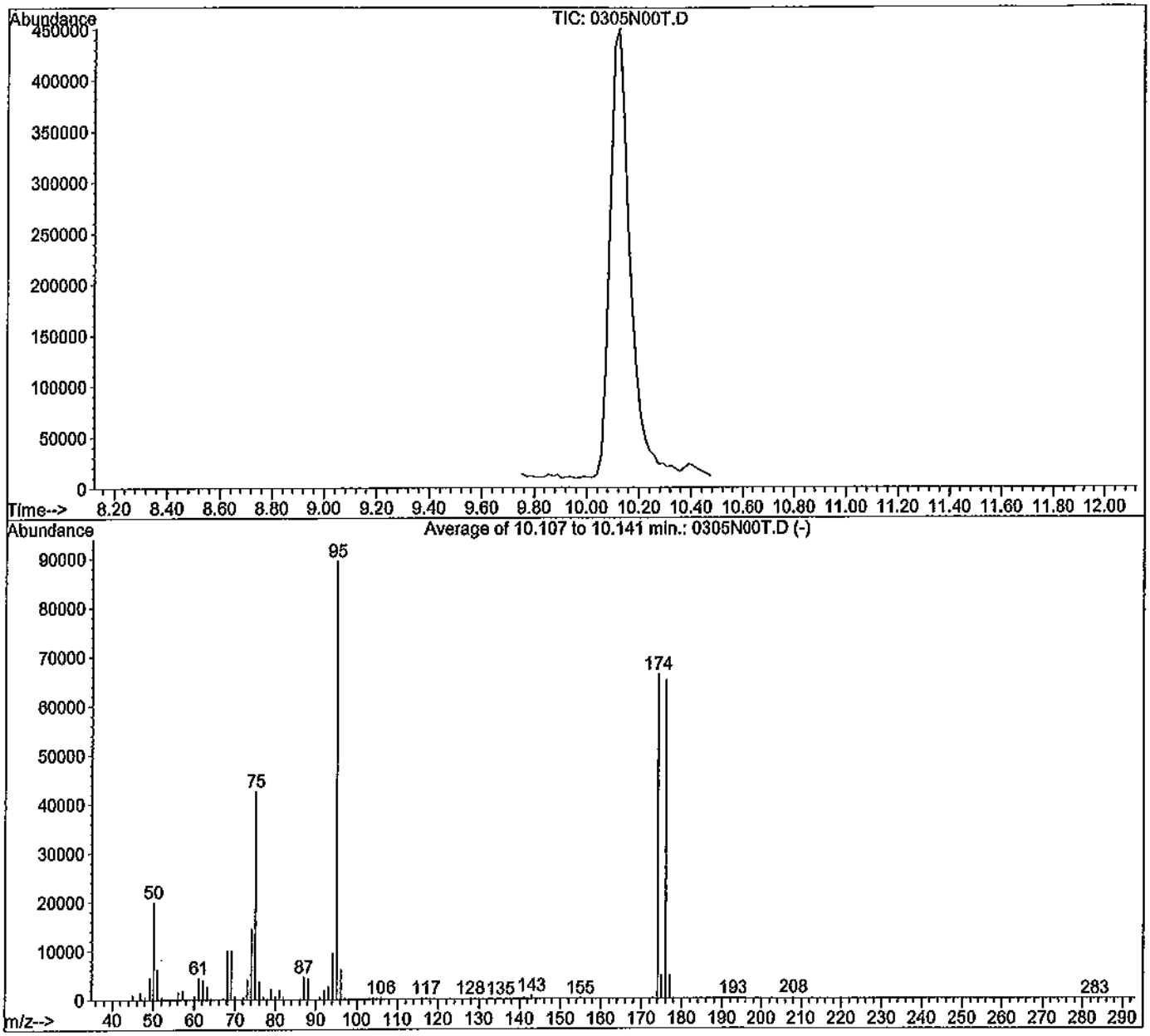
Spectrum Information: Average of 20.486 to 20.506 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.6	19884	PASS
75	95	30	60	49.2	39888	PASS
95	95	100	100	100.0	80992	PASS
96	95	5	9	7.3	5941	PASS
173	174	0.00	2	0.4	251	PASS
174	95	50	100	71.4	57829	PASS
175	174	5	9	7.1	4081	PASS
176	174	95	101	97.4	56317	PASS
177	176	5	9	6.3	3565	PASS

Data File : M:\NEO\DATA\N120305\0305N00T.D
Acq On : 5 Mar 12 10:17
Sample : 25ug/mL BFB Std 2-13-12
Misc : 2uL

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B



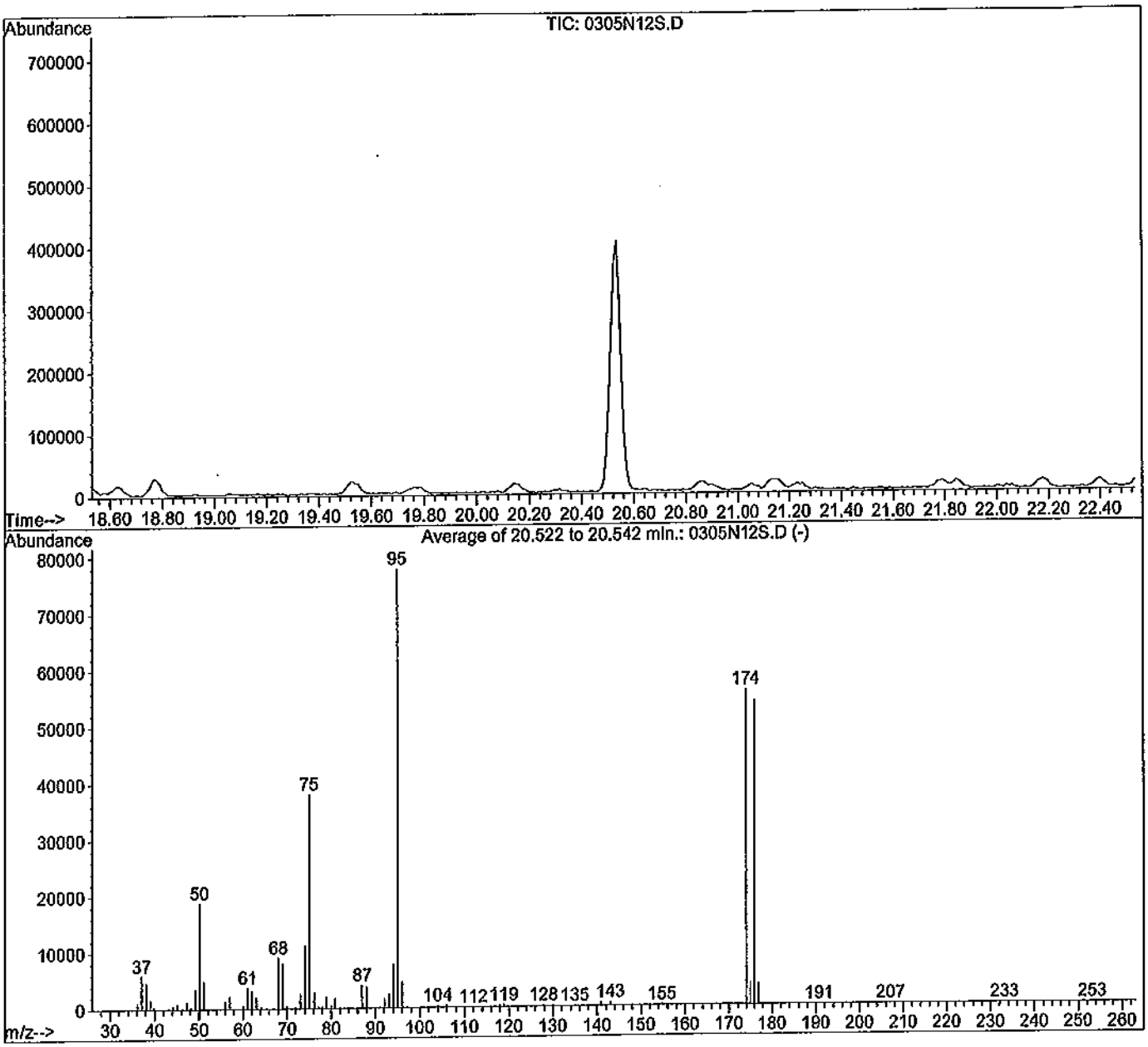
AutoFind: Scans 22, 23, 24; Background Corrected with Scan 14

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	20048	PASS
75	95	30	60	47.7	42704	PASS
95	95	100	100	100.0	89456	PASS
96	95	5	9	6.9	6137	PASS
173	174	0.00	2	0.4	275	PASS
174	95	50	100	74.1	66323	PASS
175	174	5	9	7.1	4686	PASS
176	174	95	101	98.1	65061	PASS
177	176	5	9	7.2	4660	PASS

Data File : M:\NEO\DATA\N120305\0305N12S.D
Acq On : 5 Mar 12 17:51
Sample : 25ug/mL BFB Std 2-13-12
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B



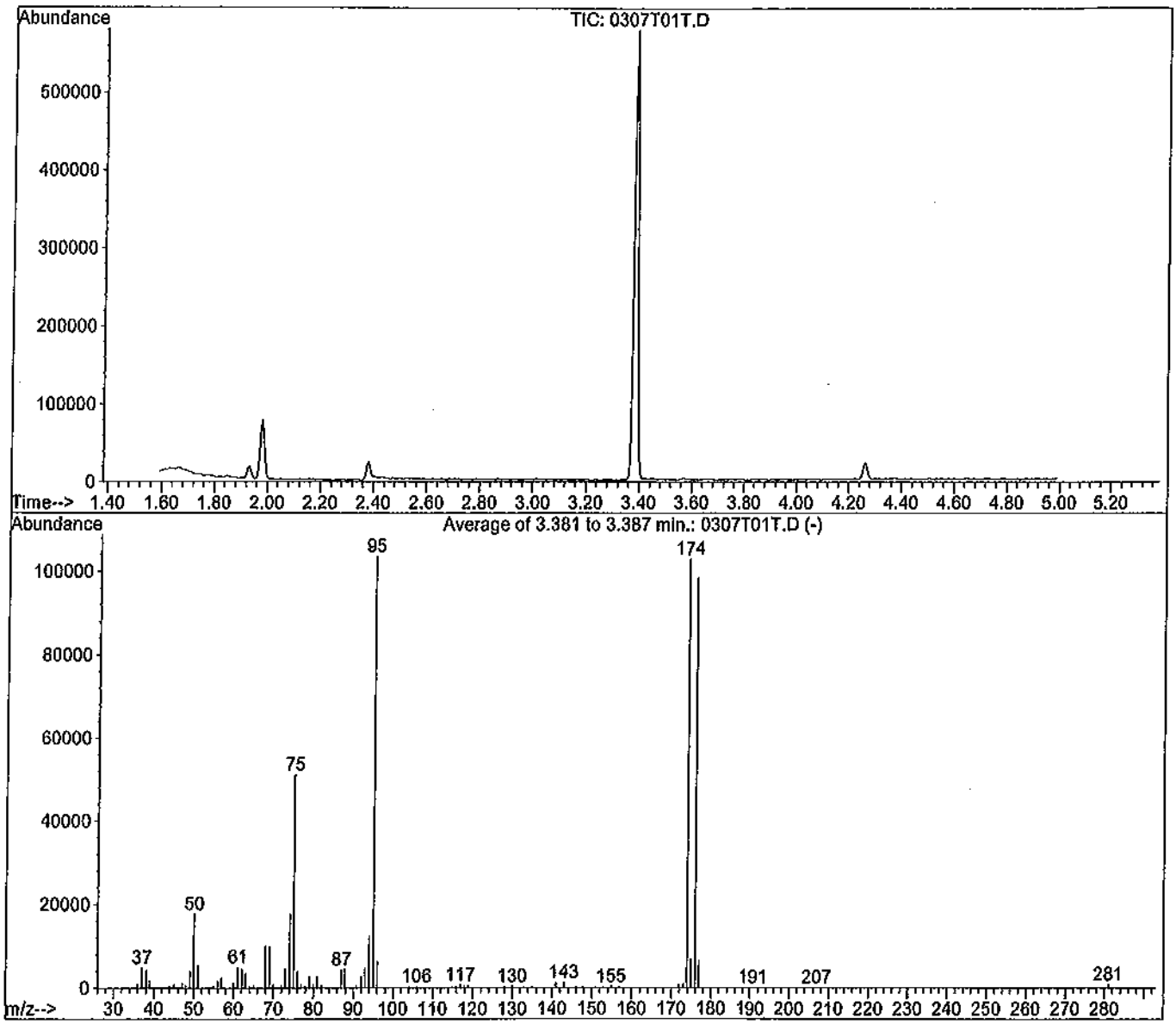
AutoFind: Scans 1644, 1645, 1646; Background Corrected with Scan 1635

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.2	18855	PASS
75	95	30	60	48.9	38101	PASS
95	95	100	100	100.0	77843	PASS
96	95	5	9	5.9	4604	PASS
173	174	0.00	2	0.4	205	PASS
174	95	50	100	71.9	55965	PASS
175	174	5	9	6.9	3848	PASS
176	174	95	101	96.5	54021	PASS
177	176	5	9	6.8	3654	PASS

Data File : M:\THOR\DATA\T120307\0307T01T.D
Acq On : 7 Mar 12 8:44
Sample : 5ng- BFB STD 02-13-12
Misc : 2ul

Vial: 1
Operator: DG,RS,HW,ARS,SV
Inst : Thor
Multiplr: 1.00

Method : M:\THOR\DATA\T120307\TALLS.M (RTE Integrator)
Title : METHOD 8260B



Spectrum Information: Average of 3.381 to 3.387 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.2	17802	PASS
75	95	30	60	49.5	51240	PASS
95	95	100	100	100.0	103605	PASS
96	95	5	9	6.2	6398	PASS
173	174	0.00	2	0.9	942	PASS
174	95	50	100	99.4	103005	PASS
175	174	5	9	6.8	6971	PASS
176	174	95	101	95.7	98541	PASS
177	176	5	9	6.7	6620	PASS

EPA METHOD 8330B
Explosives

APPL, INC.

EPA METHOD 8330B
Explosives

Summary Forms

APPL, INC.

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 8330
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120301A-164467
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-SW9	AY55846
B4-NT1-SW6	AY55847
B4-NT1-SW3	AY55848
B4-NT1-BOT03	AY55849
B4-NT1-SW8	AY55850
B4-NT1-BOT02	AY55851
B4-NT1-SW4	AY55852
B4-NT1-SW7	AY55853
B4-NT1-BOT01 FD	AY55854
B4-NT1-BOT01	AY55855
B4-NT1-SW5	AY55856
B4-NT1-SW6 FD	AY55869

Comments: ARF: 67072

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

Signature: _____ Name: Diane Anderson

Date: 3-13-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120301A-164467
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW9 Lab Sample ID: AY55846 Matrix: Soil
% Solids: 87.3 Initial Calibration ID: 120130
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	105	65-135	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120301A-164467
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 Lab Sample ID: AY55847 Matrix: Soil
% Solids: 83.2 Initial Calibration ID: 120130
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	105	65-135	

Comments:

ARF: 67072

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120301A-164467
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW3 Lab Sample ID: AY55848 Matrix: Soil
% Solids: 88.3 Initial Calibration ID: 120130
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	104	65-135	

Comments:

ARF: 67072

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120301A-164467
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT03 Lab Sample ID: AY55849 Matrix: Soil
% Solids: 89.4 Initial Calibration ID: 120130
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	106	65-135	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120301A-164467
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW8 Lab Sample ID: AY55850 Matrix: Soil
% Solids: 85.5 Initial Calibration ID: 120130
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	104	65-135	

Comments:

ARF: 67072

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120301A-164467
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT02 Lab Sample ID: AY55851 Matrix: Soil
% Solids: 95.8 Initial Calibration ID: 120130
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	105	65-135	

Comments:

ARF: 67072

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120301A-164467
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW4 Lab Sample ID: AY55852 Matrix: Soil
% Solids: 92.2 Initial Calibration ID: 120130
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	106	65-135	

Comments:

ARF: 67072

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120301A-164467
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW7 Lab Sample ID: AY55853 Matrix: Soil
% Solids: 87.7 Initial Calibration ID: 120130
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	104	65-135	

Comments:

ARF: 67072

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120301A-164467
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 FD Lab Sample ID: AY55854 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: 120130
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	102	65-135	

Comments:

ARF: 67072

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120301A-164467
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 Lab Sample ID: AY55855 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: 120130
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	104	65-135	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120301A-164467
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW5 Lab Sample ID: AY55856 Matrix: Soil
% Solids: 92.8 Initial Calibration ID: 120130
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	103	65-135	

Comments:

ARF: 67072

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120301A-164467
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 FD Lab Sample ID: AY55869 Matrix: Soil
% Solids: 85.4 Initial Calibration ID: 120130
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 03-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	101	65-135	

Comments:

ARF: 67072

AFCEE FORM O-2

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 67072
Case No: Initial Cal. Date: 01/30/12
Matrix: Instrument: Waldorf Initials: HM

0130_0000004.D 0130_0000005.D 0130_0000006.D 0130_0000007.D 0130_0000008.D 0130_0000009.D 0130_0000010.D 0130_0000011.D 0130_0000013.D

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD		
1	TML	NITROGLYCERIN		78.4	153	145	131	129	130	129	128		128	17	TML	1.00
2	TM	PETN			117	108	105	106	112	114	114		111	4.1	TM	
		Signal #2														
1	TM	HMX #2	749	754	746	746	755	736	711	708	675		731	3.8		
2	TM	RDX #2	478	483	476	481	484	486	450	450	440		470	3.8		
3	TM	1,3,5-TRINITROBENZENE #2	815	802	789	795	802	802	767	765	752		788	2.7		
4	S	1,2-DINITROBENZENE #2	356	352	349	349	354	349	347	348	346		350	0.98		
5	TM	1,3-DINITROBENZENE #2	766	758	751	756	766	760	745	745	735		753	1.4		
6	TM	3,5-DINITROANILINE #2	798	615	648	623	624	641	610	609	603		641	9.5		
7	TM	NITROBENZENE #2	358	348	344	350	353	347	347	348	342		349	1.4		
8	TM	TETRYL #2	257	258	249	254	255	247	255	257	258		254	1.6		
9	TM	2,4,6-TRINITROTOLUENE #2	334	322	320	324	329	319	330	329	324		326	1.6		
10	TM	2-AMINO-4,6-DINITROTOLUENE	304	297	298	303	308	298	309	310	305		304	1.6		
11	TM	4-AMINO-2,6-DINITROTOLUENE	238	239	235	241	243	235	244	242	238		239	1.4		
12	TM	2,4-DINITROTOLUENE #2	328	308	306	311	315	307	318	318	314		314	2.3		
13	TM	2,6-DINITROTOLUENE #2	191	175	173	175	176	171	177	178	174		177	3.2		
14	TM	2-NITROTOLUENE #2	120	125	122	125	126	121	128	129	126		125	2.6		
15	TM	4-NITROTOLUENE #2	120	120	119	122	123	118	125	127	125		122	2.4		
16	TM	3-NITROTOLUENE #2	138	146	144	147	148	142	151	153	150		147	3.2		

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 67077
Date Analyzed: 30-Jan-2012, 17:57:25
Instrument: Waldorf
Initial Cal. Date: 01/30/12
Data File: 0130_0000014.D

		Compound	MEAN	CCRF	%D		%Drift
1	TML	NITROGLYCERIN	128	138	8.0	TML	7.4
2	TM	PETN	111	111	0.51	TM	
	Signal #2						
1	TM	HMX	731	737	0.79	TM	
2	TM	RDX	470	460	2.2	TM	
3	TM	1,3,5-TRINITROBENZENE	788	758	3.8	TM	
4	S	1,2-DINITROBENZENE	350	352	0.50	S	
5	TM	1,3-DINITROBENZENE	753	764	1.4	TM	
6	TM	3,5-DINITROANILINE	641	658	2.6	TM	
7	TM	NITROBENZENE	349	348	0.14	TM	
8	TM	TETRYL	254	221	13	TM	
9	TM	2,4,6-TRINITROTOLUENE	326	318	2.5	TM	
10	TM	2-AMINO-4,6-DINITROTOLUEN	304	317	4.5	TM	
11	TM	4-AMINO-2,6-DINITROTOLUEN	239	261	9.1	TM	
12	TM	2,4-DINITROTOLUENE	314	333	6.1	TM	
13	TM	2,6-DINITROTOLUENE	177	176	0.39	TM	
14	TM	2-NITROTOLUENE	125	129	3.9	TM	
15	TM	4-NITROTOLUENE	122	126	3.2	TM	
16	TM	3-NITROTOLUENE	147	157	6.7	TM	
17							
18							
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Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 67072
Date Analyzed: 02-Mar-2012, 15:05:36
Instrument: Waldorf
Initial Cal. Date: 01/30/12
Data File: 0302_0000004.D

		Compound	MEAN	CCRF	%D		%Drift
1	TML	NITROGLYCERIN	128	127	0.32	TML	0.87
2	TM	PETN	111	115	3.7	TM	
	Signal #2						
1	TM	HMX	731	716	2.0	TM	
2	TM	RDX	470	452	3.7	TM	
3	TM	1,3,5-TRINITROBENZENE	788	759	3.6	TM	
4	S	1,2-DINITROBENZENE	350	346	1.1	S	
5	TM	1,3-DINITROBENZENE	753	743	1.4	TM	
6	TM	3,5-DINITROANILINE	641	607	5.3	TM	
7	TM	NITROBENZENE	349	335	3.8	TM	
8	TM	TETRYL	254	241	5.3	TM	
9	TM	2,4,6-TRINITROTOLUENE	326	331	1.7	TM	
10	TM	2-AMINO-4,6-DINITROTOLUEN	304	321	5.8	TM	
11	TM	4-AMINO-2,6-DINITROTOLUEN	239	251	5.0	TM	
12	TM	2,4-DINITROTOLUENE	314	320	2.0	TM	
13	TM	2,6-DINITROTOLUENE	177	179	1.3	TM	
14	TM	2-NITROTOLUENE	125	126	0.86	TM	
15	TM	4-NITROTOLUENE	122	125	2.2	TM	
16	TM	3-NITROTOLUENE	147	150	1.9	TM	
17							
18							
19							
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22							
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31							

Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 67072
Date Analyzed: 02-Mar-2012, 23:37:51
Instrument: Waldorf
Initial Cal. Date: 01/30/12
Data File: 0302_0000019.D

		Compound	MEAN	CCRF	%D		%Drift
1	TML	NITROGLYCERIN	128	127	0.55	TML	1.1
2	TM	PETN	111	114	2.8	TM	
	Signal #2						
1	TM	HMX	731	710	2.8	TM	
2	TM	RDX	470	447	4.8	TM	
3	TM	1,3,5-TRINITROBENZENE	788	758	3.8	TM	
4	S	1,2-DINITROBENZENE	350	346	1.2	S	
5	TM	1,3-DINITROBENZENE	753	743	1.3	TM	
6	TM	3,5-DINITROANILINE	641	605	5.7	TM	
7	TM	NITROBENZENE	349	329	5.7	TM	
8	TM	TETRYL	254	229	10	TM	
9	TM	2,4,6-TRINITROTOLUENE	326	329	0.92	TM	
10	TM	2-AMINO-4,6-DINITROTOLUEN	304	320	5.2	TM	
11	TM	4-AMINO-2,6-DINITROTOLUEN	239	250	4.3	TM	
12	TM	2,4-DINITROTOLUENE	314	320	1.9	TM	
13	TM	2,6-DINITROTOLUENE	177	179	1.2	TM	
14	TM	2-NITROTOLUENE	125	122	1.9	TM	
15	TM	4-NITROTOLUENE	122	123	0.38	TM	
16	TM	3-NITROTOLUENE	147	146	0.48	TM	
17							
18							
19							
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26							
27							
28							
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31							

Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 67072
Date Analyzed: 03-Mar-2012, 06:19:48
Instrument: Waldorf
Initial Cal. Date: 01/30/12
Data File: 0302_0000030.D

		Compound	MEAN	CCRF	%D		%Drift
1	TML	NITROGLYCERIN	128	128	0.27	TML	0.82
2	TM	PETN	111	113	2.3	TM	
	Signal #2						
1	TM	HMX	731	702	4.0	TM	
2	TM	RDX	470	446	5.1	TM	
3	TM	1,3,5-TRINITROBENZENE	788	757	4.0	TM	
4	S	1,2-DINITROBENZENE	350	347	0.76	S	
5	TM	1,3-DINITROBENZENE	753	744	1.2	TM	
6	TM	3,5-DINITROANILINE	641	602	6.1	TM	
7	TM	NITROBENZENE	349	323	7.3	TM	
8	TM	TETRYL	254	227	11	TM	
9	TM	2,4,6-TRINITROTOLUENE	326	328	0.82	TM	
10	TM	2-AMINO-4,6-DINITROTOLUEN	304	318	4.8	TM	
11	TM	4-AMINO-2,6-DINITROTOLUEN	239	249	3.8	TM	
12	TM	2,4-DINITROTOLUENE	314	321	2.2	TM	
13	TM	2,6-DINITROTOLUENE	177	179	1.5	TM	
14	TM	2-NITROTOLUENE	125	120	3.6	TM	
15	TM	4-NITROTOLUENE	122	121	0.89	TM	
16	TM	3-NITROTOLUENE	147	143	2.3	TM	
17							
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31							

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8330
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: 120130

AAB #: 120301A-164467
Contract #: *G012
Method Blank ID: 120301A-BLK1A
mp 3-12-12

Analyte	Method Blank	RL	Q
1,3,5-TNB	< RL	0.25	U
1,3-DNB	< RL	0.25	U
2,4,6-TNT	< RL	0.25	U
2,4-DNT	< RL	0.50	U
2,6-DNT	< RL	0.26	U
HMX	< RL	2.2	U
M-NITROTOLUENE	< RL	0.60	U
METHYL-2,4,6-TRINITROPHENYLNITRAMINE	< RL	0.65	U
NITROBENZENE	< RL	0.26	U
O-NITROTOLUENE	< RL	0.25	U
P-NITROTOLUENE	< RL	0.50	U
RDX	< RL	1.0	U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE	104	65-135	

Comments: ARF: 67072, Sample: AY55855

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: BPA 8330
AAB #: 120301A-164467

Lab Name: APPL, Inc
Contract #: *G012

LCS ID: 120301A-LCS1A
Initial Calibration ID: 120130

Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
1,3,5-TNB	1.970	2.014	102	65-152	
1,3-DNB	1.970	1.982	101	65-135	
2,4,6-TNT	1.970	2.104	107	65-138	
2,4-DNT	1.97	2.08	106	65-135	
2,6-DNT	1.970	2.075	105	65-139	
HMX	1.97	2.14	109	64-147	
M-NITROTOLUENE	1.97	2.16	110	50-144	
METHYL-2,4,6-TRINITROPHENYLNIT	1.970	2.352	119	34-152	
NITROBENZENE	1.970	1.970	100	25-144	
O-NITROTOLUENE	1.970	2.124	108	65-139	
P-NITROTOLUENE	1.97	2.14	109	32-160	
RDX	1.97	1.92	97.5	65-142	

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	102	65-135	

Comments: ARF: 67072, QC Sample ID: AY55855

AFCEE
ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: EPA 8330

Initial Calibration ID: 120130

Lab Name: APPL, Inc

Contract #: *G012

Concentration Units: mg/kg

% Solids: 92.9

Parent Field Sample ID: B4-NT1-BOT01

MS ID: 120301-55855S,MS-1 AY 02-A mp 3-12-12

MSD ID: 120301-55855S,MSD-1 AY 02-A mp 3-12-12

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	% R	Duplicate Spiked Sample Result	% R	%RPD	Control Limits % R	Control Limits % RPD	Q
1,3,5-TNB		2.153	2.229	104	2.218	103	0.49	65-152	50	
1,3-DNB		2.153	2.186	102	2.180	101	0.27	65-135	50	
2,4,6-TNT		2.153	2.314	107	2.308	107	0.26	65-138	50	
2,4-DNT		2.15	2.30	107	2.29	107	0.44	65-135	50	
2,6-DNT		2.153	2.285	106	2.284	106	0.04	65-139	50	
HMX		2.15	2.22	103	2.23	104	0.45	64-147	50	
M-NITROTOLUENE		2.15	2.37	110	2.39	111	0.84	50-144	50	
METHYL-2,4,6-TRINITROPHENYL		2.153	2.577	120	2.565	119	0.47	34-152	50	
NITROBENZENE		2.153	2.170	101	2.182	101	0.55	25-144	50	
O-NITROTOLUENE		2.153	2.331	108	2.348	109	0.73	65-139	50	
P-NITROTOLUENE		2.15	2.35	109	2.36	110	0.42	32-160	50	
RDX		2.15	1.73	80.5	1.72	80.0	0.58	65-142	50	

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	% R	Duplicate Spiked Sample Result	% R	%RPD	Control Limits % R	Control Limits % RPD	Q
SURROGATE: 1,2-DINITROBENZEN		2.00	2.06	103	2.05	102		65-135	50	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
HOLDING TIMES

Analytical Method: EPA 8330 AAB#: 120301A-164467

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time Ext	Time Held Ext	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
B4-NT1-BOT01	27-Feb-12	28-Feb-12	01-Mar-12	14	3	03-Mar-12	40	2	
B4-NT1-BOT01 FD	27-Feb-12	28-Feb-12	01-Mar-12	14	3	03-Mar-12	40	2	
B4-NT1-BOT02	27-Feb-12	28-Feb-12	01-Mar-12	14	3	03-Mar-12	40	2	
B4-NT1-BOT03	27-Feb-12	28-Feb-12	01-Mar-12	14	3	03-Mar-12	40	2	
B4-NT1-SW3	27-Feb-12	28-Feb-12	01-Mar-12	14	3	03-Mar-12	40	2	
B4-NT1-SW4	27-Feb-12	28-Feb-12	01-Mar-12	14	3	03-Mar-12	40	2	
B4-NT1-SW5	27-Feb-12	28-Feb-12	01-Mar-12	14	3	03-Mar-12	40	2	
B4-NT1-SW6	27-Feb-12	28-Feb-12	01-Mar-12	14	3	02-Mar-12	40	1	
B4-NT1-SW6 FD	27-Feb-12	28-Feb-12	01-Mar-12	14	3	03-Mar-12	40	2	
B4-NT1-SW7	27-Feb-12	28-Feb-12	01-Mar-12	14	3	03-Mar-12	40	2	
B4-NT1-SW8	27-Feb-12	28-Feb-12	01-Mar-12	14	3	03-Mar-12	40	2	
B4-NT1-SW9	27-Feb-12	28-Feb-12	01-Mar-12	14	3	02-Mar-12	40	1	

Comments: ARF: 67072

Injection Log

Directory: H:\WALDORF\CHEM32\1\DATA\120130

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	0	0130_0000004.D		8830B_CB 0.005 PPM 01/30/12		01/30/2012 11:43
2	0	0130_0000005.D		8830B_CB 0.01 PPM 01/30/12		01/30/2012 12:20
3	0	0130_0000006.D		8830B_CB 0.02 PPM 01/30/12		01/30/2012 12:57
4	0	0130_0000007.D		8830B_CB 0.05 PPM 01/30/12		01/30/2012 13:35
5	0	0130_0000008.D		8830B_CB 0.1 PPM 01/30/12		01/30/2012 14:12
6	0	0130_0000009.D		8830B_CB 0.2 PPM 01/30/12		01/30/2012 14:50
7	0	0130_0000010.D		8830B_CB 0.5 PPM 01/30/12		01/30/2012 15:27
8	0	0130_0000011.D		8830B_CB 1.0 PPM 01/30/12		01/30/2012 16:05
9	0	0130_0000012.D		8830B_MX-A 2.0 PPM 01/30/12		01/30/2012 16:42
10	0	0130_0000013.D		8830B_MX-B 2.0 PPM 01/30/12		01/30/2012 17:19
11	0	0130_0000014.D		8830B_SS 1.0 PPM 01/30/12		01/30/2012 17:57
12	0	0302_0000004.D		8330_CCV 1.0 PPM 03/01/12		03/02/2012 15:05
13	0	0302_0000013.D	7.88955	120301SLCS1A 7.890 DF 03/01/12	soil	03/02/2012 20:12
14	0	0302_0000014.D	7.99201	AY55855S02_MS-1 7.992 DF 03/01/12	soil	03/02/2012 20:40
15	0	0302_0000015.D	7.99201	AY55855S02_MSD-1 7.992 DF 03/01/12	soil	03/02/2012 21:17
16	0	0302_0000016.D	7.97607	120301SBLK1A 7.976 DF 03/01/12	soil	03/02/2012 21:55
17	0	0302_0000017.D	8	AY55846S02 8.000 DF 03/01/12	soil	03/02/2012 22:22
18	0	0302_0000018.D	7.97607	AY55847S02 7.976 DF 03/01/12	soil	03/02/2012 23:00
19	0	0302_0000019.D		8330_CCV 1.0 PPM 03/01/12		03/02/2012 23:37
20	0	0302_0000020.D	7.97607	AY55848S02 7.976 DF 03/01/12	soil	03/03/2012 00:05
21	0	0302_0000021.D	7.95229	AY55849S02 7.952 DF 03/01/12	soil	03/03/2012 00:42
22	0	0302_0000022.D	7.92079	AY55850S02 7.929 DF 03/01/12	soil	03/03/2012 01:20
23	0	0302_0000023.D	7.90514	AY55851S02 7.905 DF 03/01/12	soil	03/03/2012 01:57
24	0	0302_0000024.D	7.98403	AY55852S02 7.984 DF 03/01/12	soil	03/03/2012 02:35
25	0	0302_0000025.D	8	AY55853S02 8.000 DF 03/01/12	soil	03/03/2012 03:12
26	0	0302_0000026.D	7.9602	AY55854S02 7.960 DF 03/01/12	soil	03/03/2012 03:49
27	0	0302_0000027.D	7.97607	AY55855S02 7.976 DF 03/01/12	soil	03/03/2012 04:27
28	0	0302_0000028.D	8	AY55856S02 8.000 DF 03/01/12	soil	03/03/2012 05:04
29	0	0302_0000029.D	8	AY55869S02 8.000 DF 03/01/12	soil	03/03/2012 05:42
30	0	0302_0000030.D		8330_CCV 1.0 PPM 03/01/12		03/03/2012 06:19

EPA METHOD 8330B
Explosives

Calibration Data

APPL, INC.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000004.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 11:43:00
Operator : mp
Sample : 8830B_CB 0.005 PPM 01/30/12
Misc :
ALS Vial : 4096 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:10 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.748	0	71209	N.D.	5.981	#
	Spiked Amount 62.500			Recovery	=	0.00%	9.57%	
	Target Compounds							
1)	TM HMX	0.000	0.949	0	149898	N.D.	6.203	#
2)	TM RDX	0.000	1.801	0	95658	N.D.	5.999	#
3)	TM 1,3,5-TRI...	0.000	2.913	0	162972	N.D.	5.952	#
5)	TM 1,3-DINIT...	0.000	3.885	0	153184	N.D.	5.906	#
6)	TM 3,5-DINIT...	0.000	4.144	0	159607	N.D.	8.138	#
7)	TM NITROBENZENE	0.000	5.273	0	71653	N.D.	5.956	#
8)	TM NITROGLYC...	6.100	0.000	40040	0	8.476	N.D.	#
9)	TM TETRYL	6.650	6.643	115206	51363	NoCal	5.877	#
10)	TM 2,4,6-TRI...	7.108	7.104	82684	66880	NoCal	5.989	#
11)	TM 2-AMINO-4...	7.504	7.500	108410	60749	NoCal	6.239	#
12)	TM 4-AMINO-2...	7.790	7.790	102045	47503	NoCal	6.038	#
13)	TM 2,4-DINIT...	8.964	8.977	52864	65596	NoCal	6.204	#
14)	TM 2,6-DINIT...	9.301	9.309	54314	38163	NoCal	6.253	#
15)	TM 2-NITROTO...	0.000	12.704	0	23922	N.D.	5.650	#
16)	TM 4-NITROTO...	0.000	13.311	0	23981	N.D.	5.750	#
17)	TM 3-NITROTO...	0.000	14.175	0	27687	N.D.	5.574	#
18)	TM PETN	0.000	0.000	0	0	N.D.	N.D.	

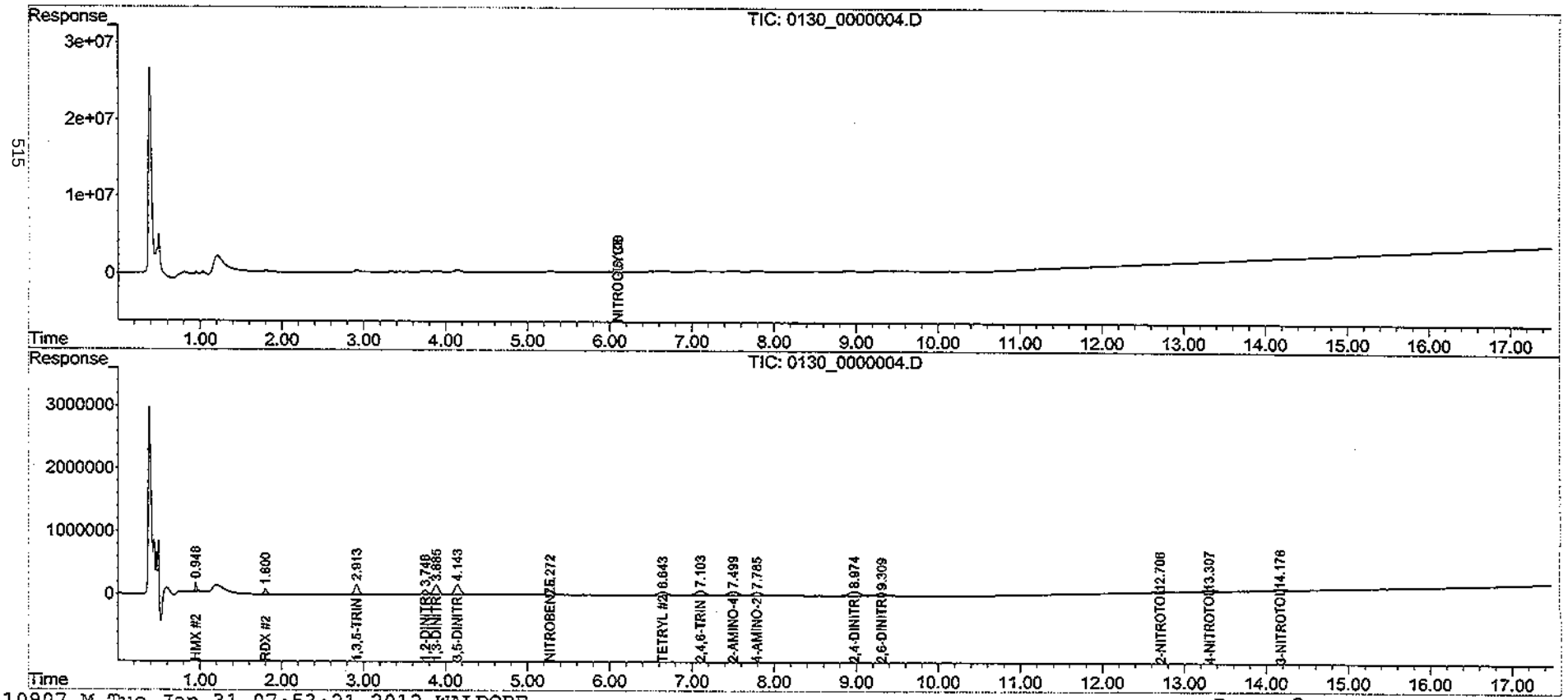
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000004.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 11:43:00
Operator : mp
Sample : 8830B_CB 0.005 PPM 01/30/12
Misc :
ALS Vial : 4096 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:10 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000005.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 12:20:27
Operator : mp
Sample : 8830B_CB 0.01 PPM 01/30/12
Misc :
ALS Vial : 4097 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:12 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.750	0	140918	N.D.	11.837 #
	Spiked Amount 62.500			Recovery	=	0.00%	18.94%
	Target Compounds						
1) TM	HMX	0.000	0.949	0	301606	N.D.	12.481 #
2) TM	RDX	0.000	1.801	0	193163	N.D.	12.115 #
3) TM	1,3,5-TRI...	0.000	2.914	0	320678	N.D.	11.711 #
5) TM	1,3-DINIT...	0.000	3.886	0	303142	N.D.	11.687 #
6) TM	3,5-DINIT...	0.000	4.145	0	245821	N.D.	12.534 #
7) TM	NITROBENZENE	0.000	5.275	0	139226	N.D.	11.573 #
8) TM	NITROGLYC...	6.126	0.000	31348	0	6.636	N.D. #
9) TM	TETRYL	6.649	6.648	182753	103086	NoCal	11.796 #
10) TM	2,4,6-TRI...	7.108	7.108	185164	128609	NoCal	11.516 #
11) TM	2-AMINO-4...	7.503	7.505	215636	118897	NoCal	12.211 #
12) TM	4-AMINO-2...	7.796	7.795	197591	95447	NoCal	12.132 #
13) TM	2,4-DINIT...	8.976	8.981	84481	123174	NoCal	11.650 #
14) TM	2,6-DINIT...	9.318	9.314	113243	70115	NoCal	11.489 #
15) TM	2-NITROTO...	0.000	12.706	0	50185	N.D.	11.854 #
16) TM	4-NITROTO...	0.000	13.316	0	48175	N.D.	11.550 #
17) TM	3-NITROTO...	0.000	14.175	0	58409	N.D.	11.759 #
18) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

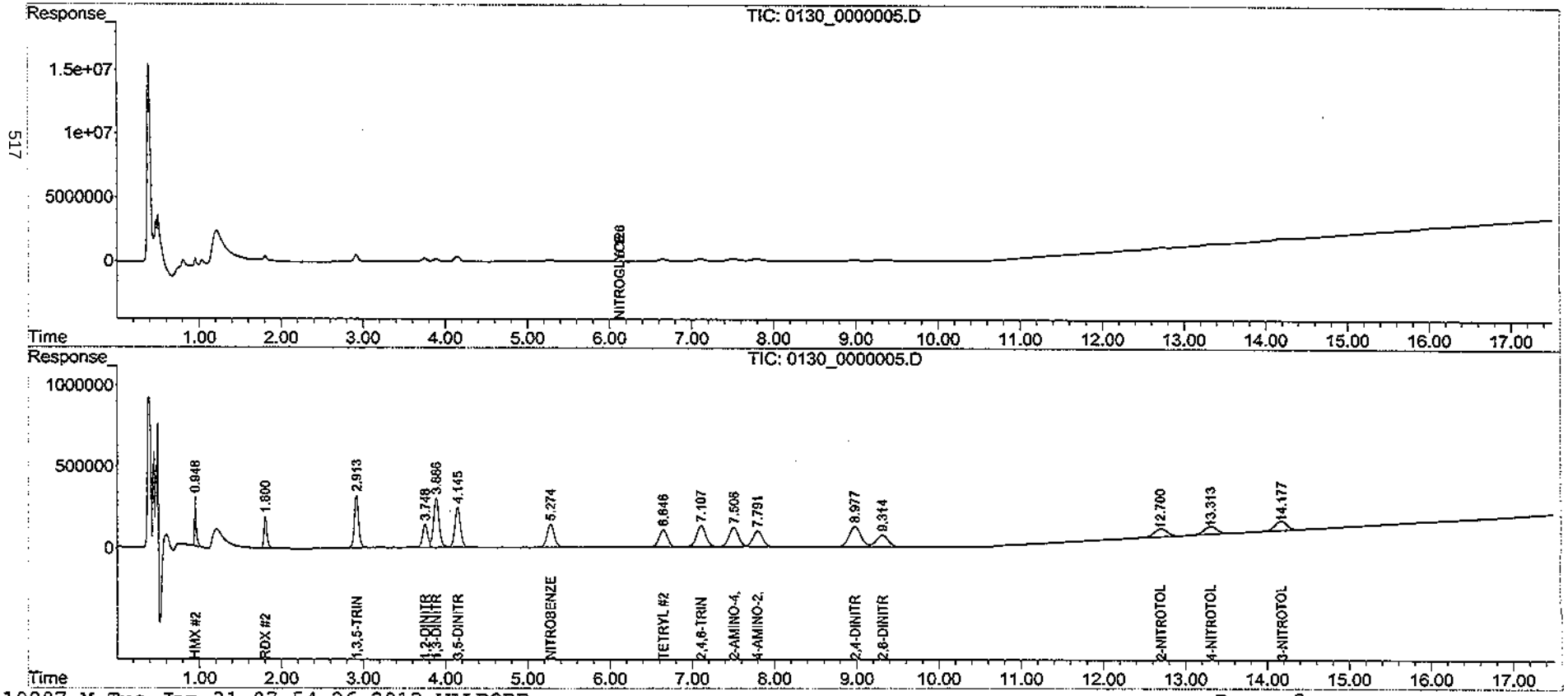
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000005.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 12:20:27
Operator : mp
Sample : 8830B_CB 0.01 PPM 01/30/12
Misc :
ALS Vial : 4097 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:12 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000006.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 12:57:53
Operator : mp
Sample : 8830B_CB 0.02 PPM 01/30/12
Misc :
ALS Vial : 4098 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:14 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.749	0	279070	N.D.	23.442	#
	Spiked Amount 62.500			Recovery	=	0.00%	37.51%	
	Target Compounds							
1)	TM HMX	0.000	0.949	0	596801	N.D.	24.697	#
2)	TM RDX	0.000	1.801	0	380739	N.D.	23.879	#
3)	TM 1,3,5-TRI...	0.000	2.914	0	631470	N.D.	23.061	#
5)	TM 1,3-DINIT...	0.000	3.886	0	600521	N.D.	23.153	#
6)	TM 3,5-DINIT...	0.000	4.145	0	518340	N.D.	26.429	#
7)	TM NITROBENZENE	0.000	5.273	0	275313	N.D.	22.885	#
8)	TM NITROGLYC...	6.130	0.000	122485	0	25.928	N.D.	#
9)	TM TETRYL	6.645	6.645	340045	199123	NoCal	22.785	#
10)	TM 2,4,6-TRI...	7.105	7.105	336670	256284	NoCal	22.948	#
11)	TM 2-AMINO-4...	7.502	7.502	375202	238771	NoCal	24.522	#
12)	TM 4-AMINO-2...	7.793	7.793	366649	188074	NoCal	23.906	#
13)	TM 2,4-DINIT...	8.970	8.979	163706	244455	NoCal	23.122	#
14)	TM 2,6-DINIT...	9.313	9.311	211367	138600	NoCal	22.711	#
15)	TM 2-NITROTO...	0.000	12.702	0	97207	N.D.	22.961	#
16)	TM 4-NITROTO...	0.000	13.311	0	95057	N.D.	22.791	#
17)	TM 3-NITROTO...	0.000	14.171	0	115073	N.D.	23.167	#
18)	TM PETN	16.008	0.000	93499	0	24.179	N.D.	#

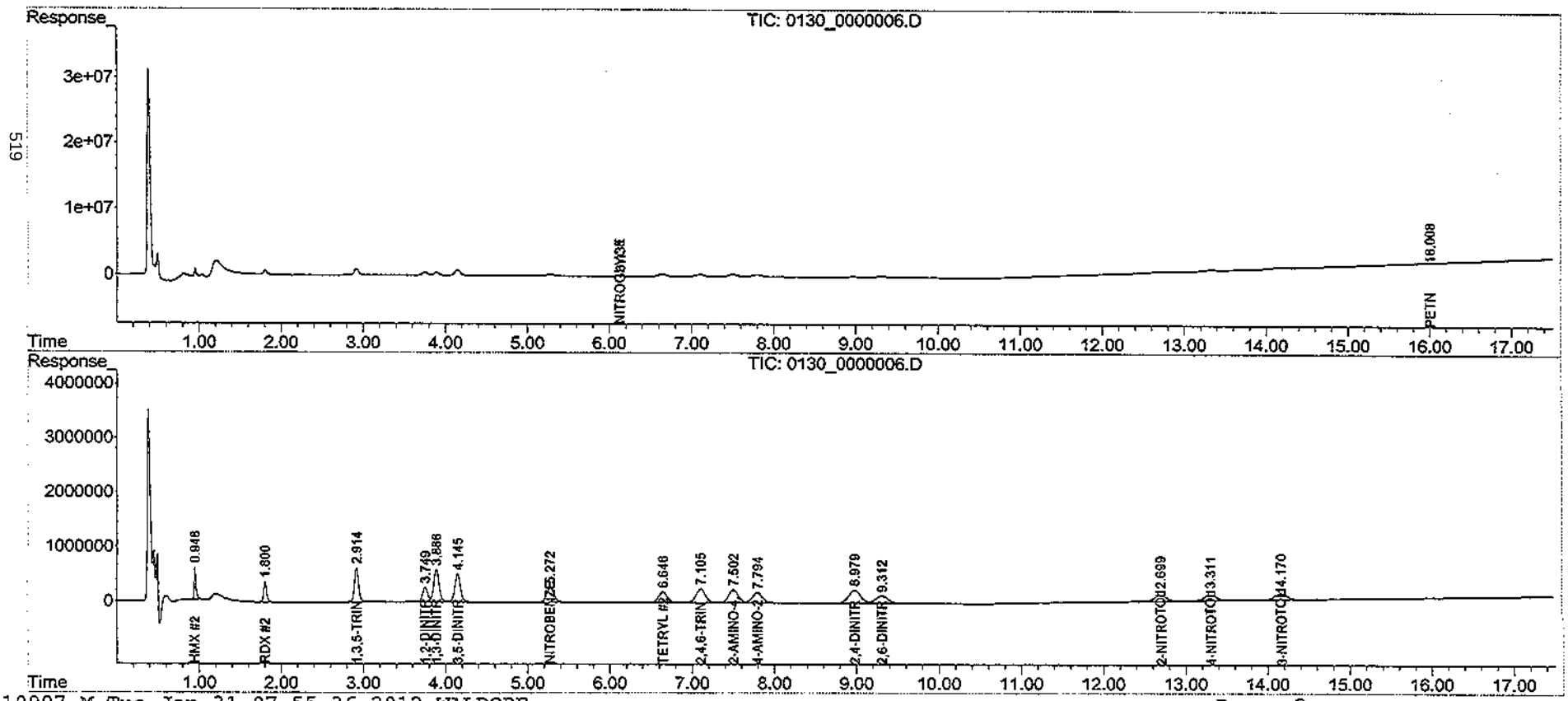
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000006.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 12:57:53
Operator : mp
Sample : 8830B_CB 0.02 PPM 01/30/12
Misc :
ALS Vial : 4098 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:14 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000007.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 13:35:20
Operator : mp
Sample : 8830B_CB 0.05 PPM 01/30/12
Misc :
ALS Vial : 4099 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:16 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.747	0	698329	N.D.	58.659 #
	Spiked Amount 62.500			Recovery	=	0.00%	93.85%
	Target Compounds						
1) TM	HMX	0.000	0.949	0	1491883	N.D.	61.738 #
2) TM	RDX	0.000	1.800	0	961454	N.D.	60.300 #
3) TM	1,3,5-TRI...	0.000	2.912	0	1589883	N.D.	58.061 #
5) TM	1,3-DINIT...	0.000	3.884	0	1511468	N.D.	58.274 #
6) TM	3,5-DINIT...	0.000	4.143	0	1245058	N.D.	63.482 #
7) TM	NITROBENZENE	0.000	5.270	0	699618	N.D.	58.155 #
8) TM	NITROGLYC...	6.125	0.000	289762	0	61.337	N.D. #
9) TM	TETRYL	6.643	6.643	849283	507538	NoCal	58.076 #
10) TM	2,4,6-TRI...	7.103	7.103	847679	648090	NoCal	58.031 #
11) TM	2-AMINO-4...	7.498	7.498	926970	606794	NoCal	62.319 #
12) TM	4-AMINO-2...	7.789	7.788	907539	481877	NoCal	61.250 #
13) TM	2,4-DINIT...	8.970	8.974	450562	622938	NoCal	58.920 #
14) TM	2,6-DINIT...	9.306	9.306	493266	350689	NoCal	57.465 #
15) TM	2-NITROTO...	0.000	12.692	0	250448	N.D.	59.158 #
16) TM	4-NITROTO...	0.000	13.299	0	243523	N.D.	58.387 #
17) TM	3-NITROTO...	0.000	14.160	0	294798	N.D.	59.351 #
18) TM	PETN	15.994	0.000	216730	0	56.048	N.D. #

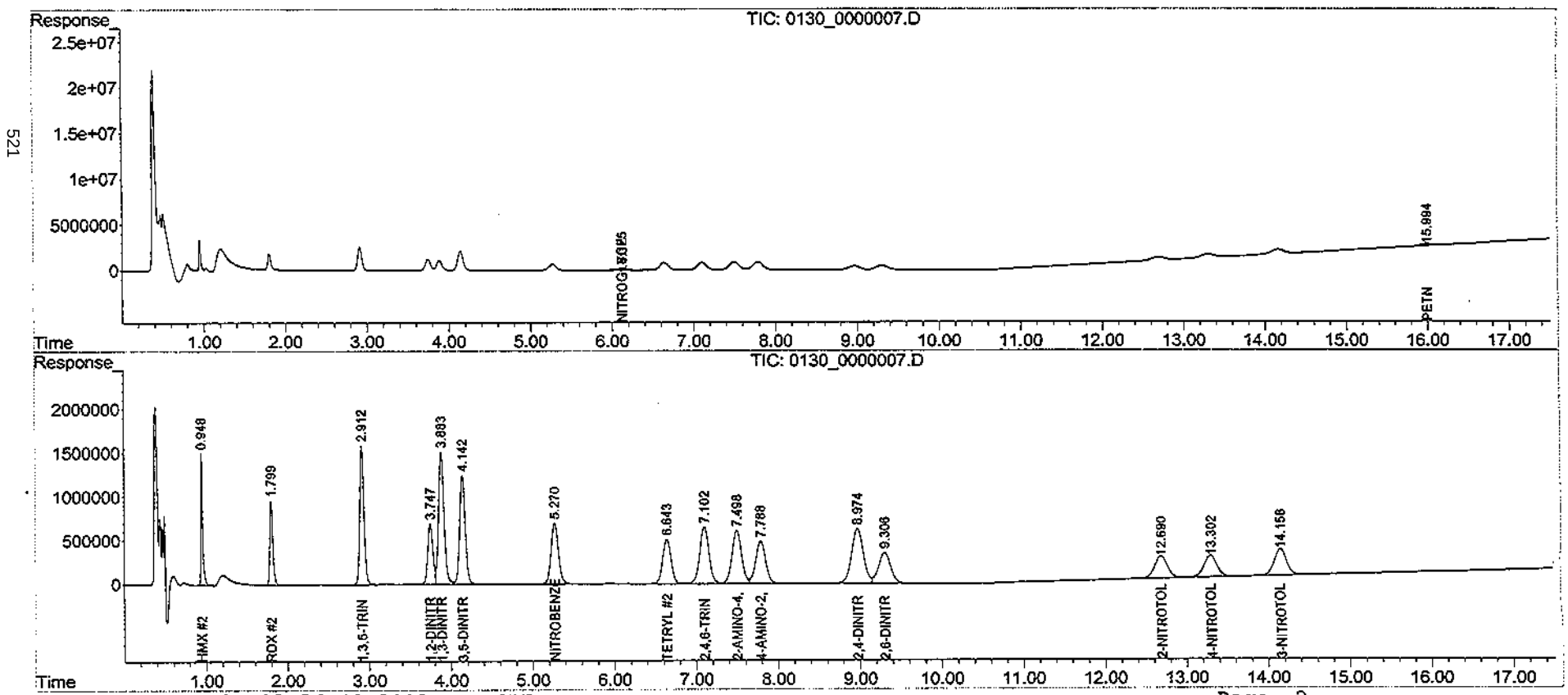
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000007.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 13:35:20
Operator : mp
Sample : 8830B_CB 0.05 PPM 01/30/12
Misc :
ALS Vial : 4099 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:16 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000008.D
Signal(s) : Signal #1: DAD1B.ch , Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 14:12:46
Operator : mp
Sample : 8830B_CB 0.1 PPM 01/30/12
Misc :
ALS Vial : 4100 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:18 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4) S	1,2-DINIT...	0.000	3.747	0	1417131	N.D.	119.038	#
Spiked Amount	62.500			Recovery	=	0.00%	190.46%	
	Target Compounds							
1) TM	HMX	0.000	0.950	0	3020082	N.D.	124.979	#
2) TM	RDX	0.000	1.801	0	1935079	N.D.	121.363	#
3) TM	1,3,5-TRI...	0.000	2.913	0	3208656	N.D.	117.177	#
5) TM	1,3-DINIT...	0.000	3.884	0	3063543	N.D.	118.113	#
6) TM	3,5-DINIT...	0.000	4.142	0	2496522	N.D.	127.291	#
7) TM	NITROBENZENE	0.000	5.269	0	1413859	N.D.	117.526	#
8) TM	NITROGLYC...	6.125	0.000	525028	0	111.138	N.D.	#
9) TM	TETRYL	6.640	6.640	1668109	1021061	NoCal	116.837	#
10) TM	2,4,6-TRI...	7.102	7.102	1654609	1314563	NoCal	117.709	#
11) TM	2-AMINO-4...	7.495	7.494	1824013	1231831	NoCal	126.512	#
12) TM	4-AMINO-2...	7.786	7.786	1772002	971854	NoCal	123.530	#
13) TM	2,4-DINIT...	8.971	8.972	880676	1258388	NoCal	119.024	#
14) TM	2,6-DINIT...	9.306	9.305	959379	704858	NoCal	115.499	#
15) TM	2-NITROTO...	0.000	12.693	0	503647	N.D.	118.965	#
16) TM	4-NITROTO...	0.000	13.301	0	491719	N.D.	117.894	#
17) TM	3-NITROTO...	0.000	14.163	0	592330	N.D.	119.252	#
18) TM	PETN	15.996	0.000	419179	0	108.403	N.D.	#

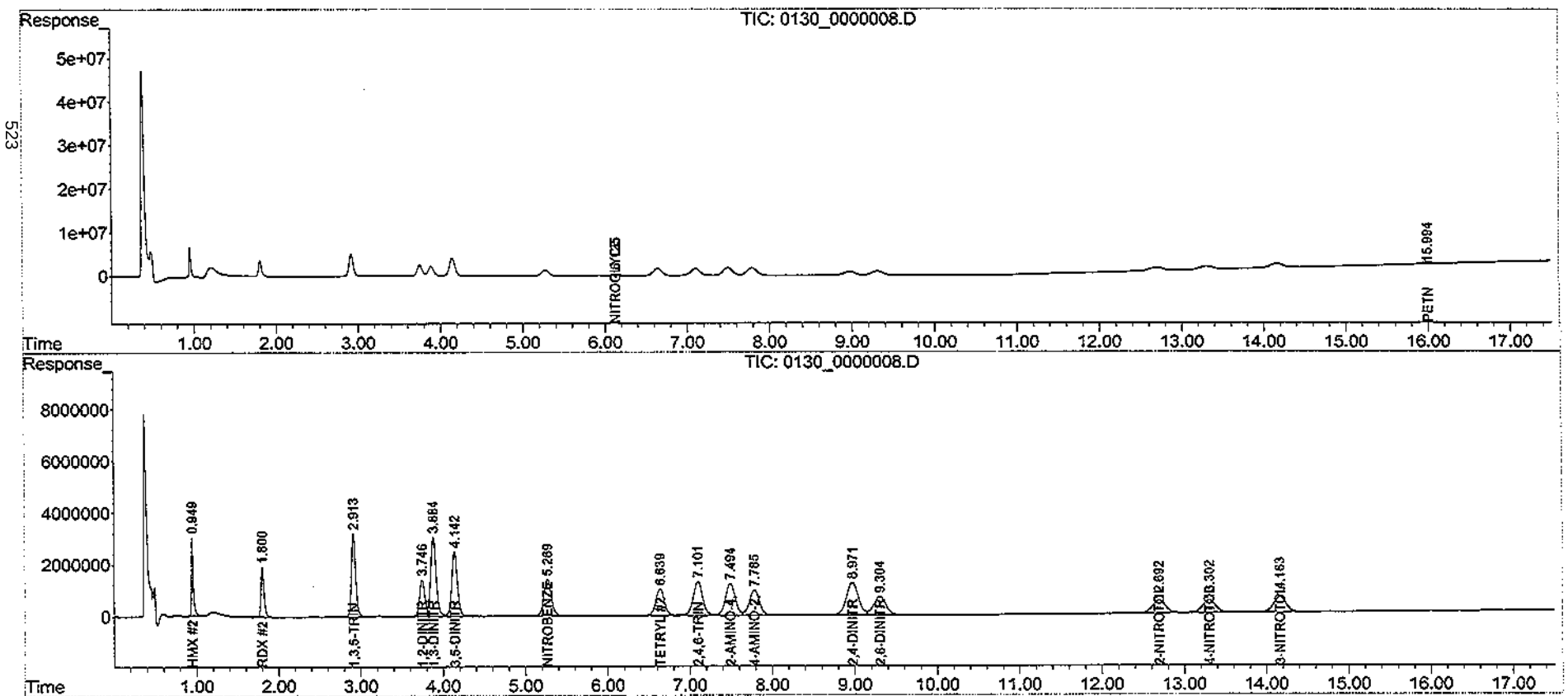
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000008.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 14:12:46
Operator : mp
Sample : 8830B_CB 0.1 PPM 01/30/12
Misc :
ALS Vial : 4100 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:18 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000009.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 14:50:12
Operator : mp
Sample : 8830B_CB 0.2 PPM 01/30/12
Misc :
ALS Vial : 4101 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:20 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.741	0	2790873	N.D.	234.432	#
	Spiked Amount 62.500			Recovery	=	0.00%	375.09%	
	Target Compounds							
1)	TM HMX	0.000	0.948	0	5888471	N.D.	243.681	#
2)	TM RDX	0.000	1.799	0	3884260	N.D.	243.611	#
3)	TM 1,3,5-TRI...	0.000	2.909	0	6416516	N.D.	234.325	#
5)	TM 1,3-DINIT...	0.000	3.879	0	6080171	N.D.	234.418	#
6)	TM 3,5-DINIT...	0.000	4.136	0	5125781	N.D.	261.350	#
7)	TM NITROBENZENE	0.000	5.266	0	2772476	N.D.	230.460	#
8)	TM NITROGLYC...	6.107	0.000	1028470	0	217.707	N.D.	#
9)	TM TETRYL	6.626	6.626	3221537	1972419	NoCal	225.698	#
10)	TM 2,4,6-TRI...	7.087	7.087	3224359	2549952	NoCal	228.328	#
11)	TM 2-AMINO-4...	7.482	7.482	3513966	2386952	NoCal	245.146	#
12)	TM 4-AMINO-2...	7.772	7.772	3413125	1881007	NoCal	239.089	#
13)	TM 2,4-DINIT...	8.957	8.957	1764865	2453692	NoCal	232.081	#
14)	TM 2,6-DINIT...	9.289	9.289	1886480	1370289	NoCal	224.538	#
15)	TM 2-NITROTO...	0.000	12.683	0	968566	N.D.	228.783	#
16)	TM 4-NITROTO...	0.000	13.291	0	946299	N.D.	226.884	#
17)	TM 3-NITROTO...	0.000	14.155	0	1139786	N.D.	229.469	#
18)	TM PETN	15.981	0.000	848667	0	219.471	N.D.	#

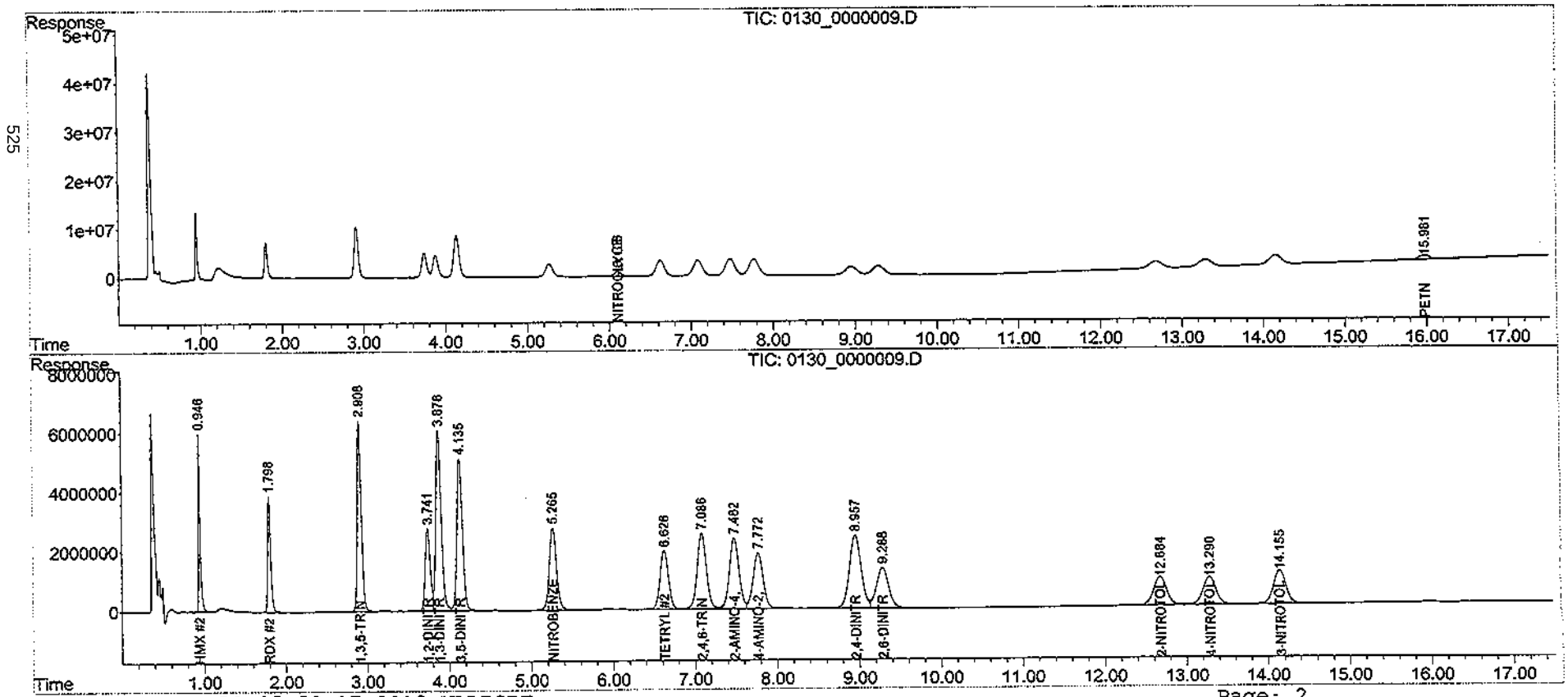
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000009.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 14:50:12
Operator : mp
Sample : 8830B_CB 0.2 PPM 01/30/12
Misc :
ALS Vial : 4101 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:20 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000010.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 15:27:39
Operator : mp
Sample : 8830B_CB 0.5 PPM 01/30/12
Misc :
ALS Vial : 4102 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:22 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.743	0	6940646	N.D.	583.011	#
	Spiked Amount 62.500			Recovery	=	0.00%	932.82%	
	Target Compounds							
1)	TM HMX	0.000	0.948	0	14217365	N.D.	588.355	#
2)	TM RDX	0.000	1.797	0	8996618	N.D.	564.245	#
3)	TM 1,3,5-TRI...	0.000	2.909	0	15346795	N.D.	560.451	#
5)	TM 1,3-DINIT...	0.000	3.879	0	14895805	N.D.	574.300	#
6)	TM 3,5-DINIT...	0.000	4.139	0	12208006	N.D.	622.454	#
7)	TM NITROBENZENE	0.000	5.264	0	6934531	N.D.	576.428	#
8)	TM NITROGLYC...	6.126	0.000	2595124	0	549.338	N.D.	#
9)	TM TETRYL	6.643	6.643	8349482	5105934	NoCal	584.258	#
10)	TM 2,4,6-TRI...	7.103	7.103	8334551	6606213	NoCal	591.535	#
11)	TM 2-AMINO-4...	7.495	7.495	9125421	6187316	NoCal	635.452	#
12)	TM 4-AMINO-2...	7.787	7.787	8852558	4870448	NoCal	619.069	#
13)	TM 2,4-DINIT...	8.971	8.971	4556832	6361186	NoCal	601.670	#
14)	TM 2,6-DINIT...	9.305	9.305	4880144	3549893	NoCal	581.691	#
15)	TM 2-NITROTO...	0.000	12.688	0	2553602	N.D.	603.180	#
16)	TM 4-NITROTO...	0.000	13.295	0	2502848	N.D.	600.082	#
17)	TM 3-NITROTO...	0.000	14.160	0	3028315	N.D.	609.680	#
18)	TM PETN	15.996	0.000	2249019	0	581.612	N.D.	#

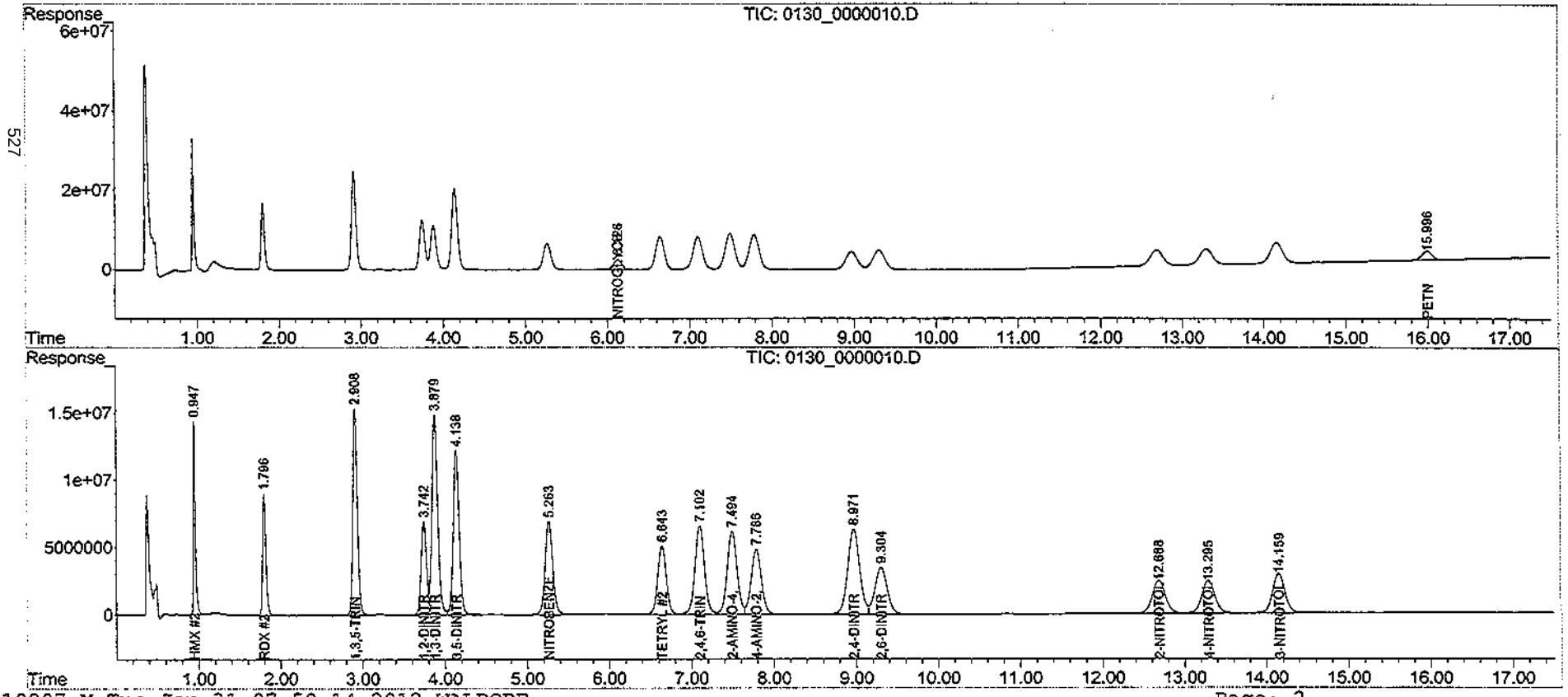
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000010.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 15:27:39
Operator : mp
Sample : 8830B_CB 0.5 PPM 01/30/12
Misc :
ALS Vial : 4102 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:22 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000011.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 16:05:06
Operator : mp
Sample : 8830B_CB 1.0 PPM 01/30/12
Misc :
ALS Vial : 4103 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:24 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.752	0	13933702	N.D.	1170.425	#
	Spiked Amount 62.500			Recovery	=	0.00%	1872.68%	
	Target Compounds							
1)	TM HMX	0.000	0.949	0	28319958	N.D.	1171.959	#
2)	TM RDX	0.000	1.800	0	17990471	N.D.	1128.316	#
3)	TM 1,3,5-TRI...	0.000	2.917	0	30614228	N.D.	1118.004	#
5)	TM 1,3-DINIT...	0.000	3.889	0	29817153	N.D.	1149.585	#
6)	TM 3,5-DINIT...	0.000	4.149	0	24351428	N.D.	1241.615	#
7)	TM NITROBENZENE	0.000	5.278	0	13910609	N.D.	1156.309	#
8)	TM NITROGLYC...	6.145	6.143	5157923	106270	1091.834	NoCal	#
9)	TM TETRYL	6.671	6.671	16762076	10268073	NoCal	1174.946	#
10)	TM 2,4,6-TRI...	7.133	7.133	16607140	13173668	NoCal	1179.600	#
11)	TM 2-AMINO-4...	7.520	7.520	18209141	12380128	NoCal	1271.469	#
12)	TM 4-AMINO-2...	7.815	7.815	17630086	9697138	NoCal	1232.576	#
13)	TM 2,4-DINIT...	9.006	9.005	9156912	12737799	NoCal	1204.800	#
14)	TM 2,6-DINIT...	9.341	9.341	9784688	7111957	NoCal	1165.377	#
15)	TM 2-NITROTO...	0.000	12.728	0	5159271	N.D.	1218.660	#
16)	TM 4-NITROTO...	0.000	13.334	0	5061551	N.D.	1213.557	#
17)	TM 3-NITROTO...	0.000	14.197	0	6118470	N.D.	1231.809	#
18)	TM PETN	16.033	0.000	4551781	0	1177.123	N.D.	#

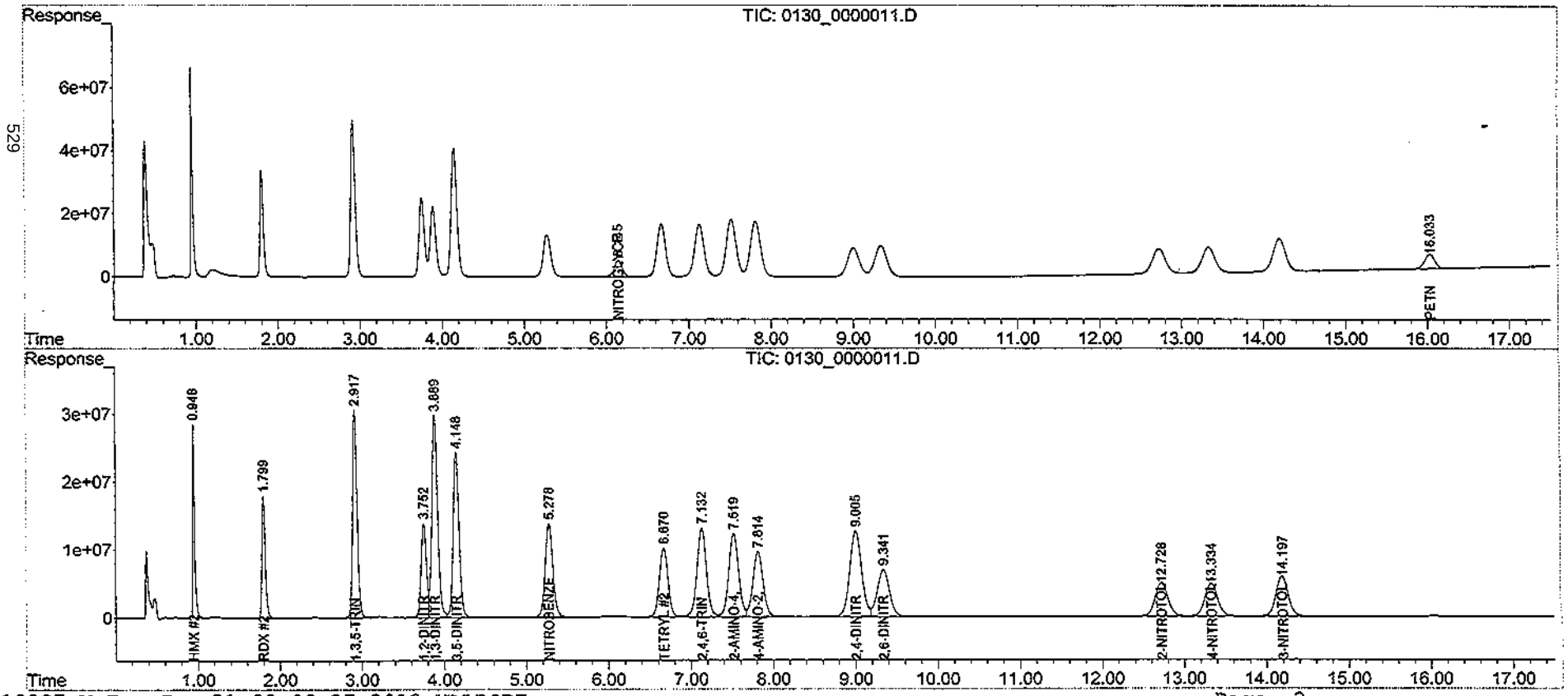
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000011.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 16:05:06
Operator : mp
Sample : 8830B_CB 1.0 PPM 01/30/12
Misc :
ALS Vial : 4103 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:24 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000012.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 16:42:32
Operator : mp
Sample : 8830B_MX-A 2.0 PPM 01/30/12
Misc :
ALS Vial : 4104 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 08:00:35 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
4) S 1,2-DINIT...	0.000	3.753	0	27650957	N.D.	2322.669 #
Spiked Amount 62.500			Recovery	=	0.00%	3716.27%
Target Compounds						
1) TM HMX	0.000	0.950	0	53966062	N.D.	2233.267 #
2) TM RDX	0.000	1.801	0	35237652	N.D.	2210.015 #
3) TM 1,3,5-TRI...	0.000	2.919	0	60179768	N.D.	2197.711 #
5) TM 1,3-DINIT...	0.000	3.891	0	58810916	N.D.	2267.424 #
6) TM 3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM NITROBENZENE	0.000	5.278	0	27371528	N.D.	2275.237 #
8) TM NITROGLYC...	0.000	6.243	0	66577	N.D. d	NoCal
9) TM TETRYL	6.673	6.673	33726477	20667366	NoCal	2364.908 #
10) TM 2,4,6-TRI...	7.137	7.137	32657891	25937519	NoCal	2322.504 #
11) TM 2-AMINO-4...	7.517	7.517	35865113	24412298	NoCal	2507.202 #
12) TM 4-AMINO-2...	7.814	7.814	34629131	19016229	NoCal	2417.100 #
13) TM 2,4-DINIT...	9.006	9.006	18140454	25138453	NoCal	2377.710 #
14) TM 2,6-DINIT...	9.343	9.343	19058611	13887490	NoCal	2275.627 #
15) TM 2-NITROTO...	0.000	12.727	0	10099759	N.D.	2385.641 #
16) TM 4-NITROTO...	0.000	13.332	0	9960450	N.D.	2388.116 #
17) TM 3-NITROTO...	0.000	14.196	0	12039075	N.D.	2423.783 #
18) TM PETN	0.000	0.000	0	0	N.D.	N.D.

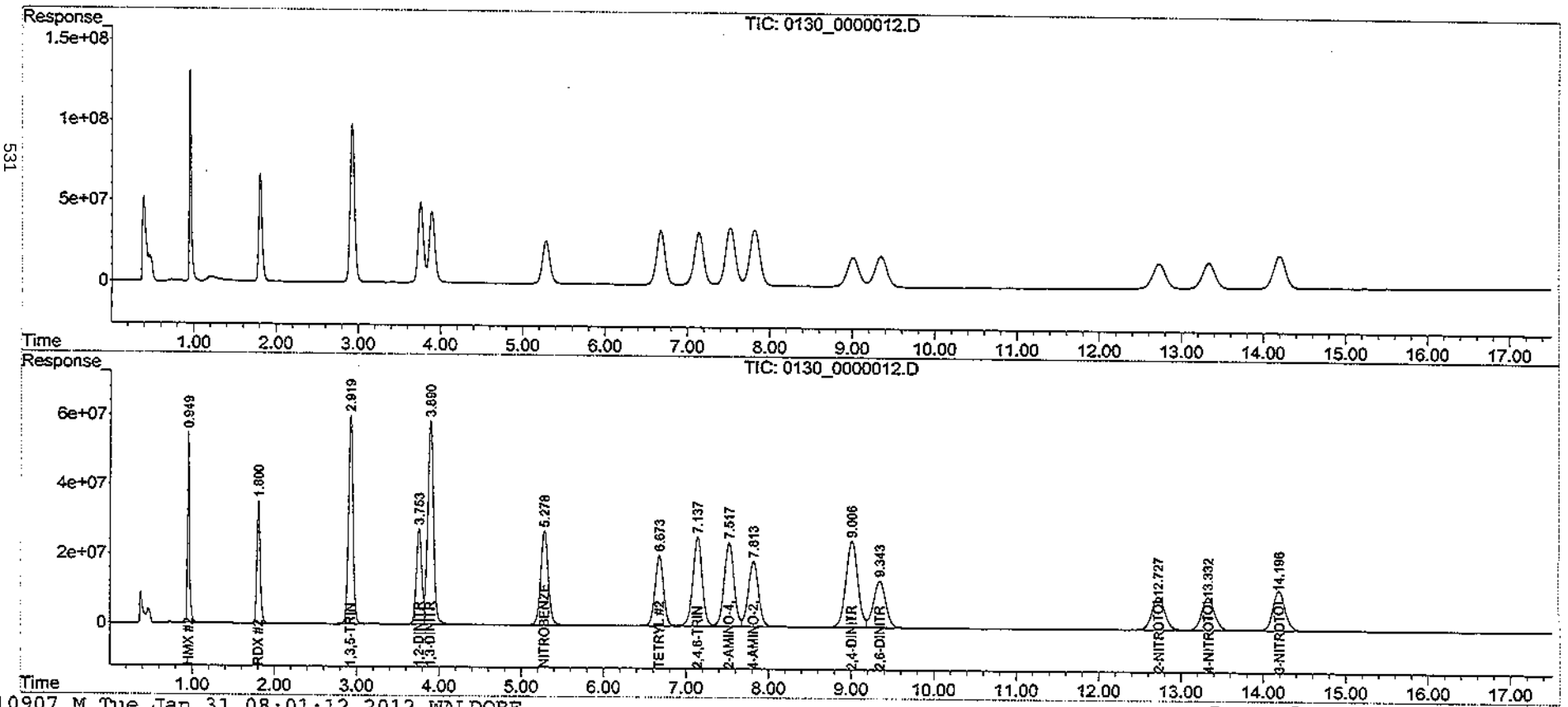
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000012.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 16:42:32
Operator : mp
Sample : 8830B_MX-A 2.0 PPM 01/30/12
Misc :
ALS Vial : 4104 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 08:00:35 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



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Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000013.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 17:19:58
Operator : mp
Sample : 8830B_MX-B 2.0 PPM 01/30/12
Misc :
ALS Vial : 4160 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 08:01:50 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	0.000	0	0	N.D.	N.D.	
	Spiked Amount 62.500			Recovery	=	0.00%	0.00%	
	Target Compounds							
1)	TM HMX	0.000	0.000	0	0	N.D.	N.D.	
2)	TM RDX	0.000	0.000	0	0	N.D.	N.D.	
3)	TM 1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.	d
5)	TM 1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.	d
6)	TM 3,5-DINIT...	0.000	4.150	0	48267489	N.D.	2461.031	#
7)	TM NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.	
8)	TM NITROGLYC...	6.148	6.149	10264447	185815	2172.787	NoCal	#
9)	TM TETRYL	6.699	0.000	17554	0	NoCal	N.D.	
10)	TM 2,4,6-TRI...	7.056	0.000	41082	0	NoCal	N.D.	
11)	TM 2-AMINO-4...	7.500	0.000	34133	0	NoCal	N.D.	
12)	TM 4-AMINO-2...	7.822	0.000	44265	0	NoCal	N.D.	
13)	TM 2,4-DINIT...	8.915	0.000	31430	0	NoCal	N.D.	
14)	TM 2,6-DINIT...	9.344	0.000	223500	0	NoCal	N.D.	d
15)	TM 2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.	d
16)	TM 4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.	
17)	TM 3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.	d
18)	TM PETN	16.037	0.000	9104187	0	2354.407	N.D.	#

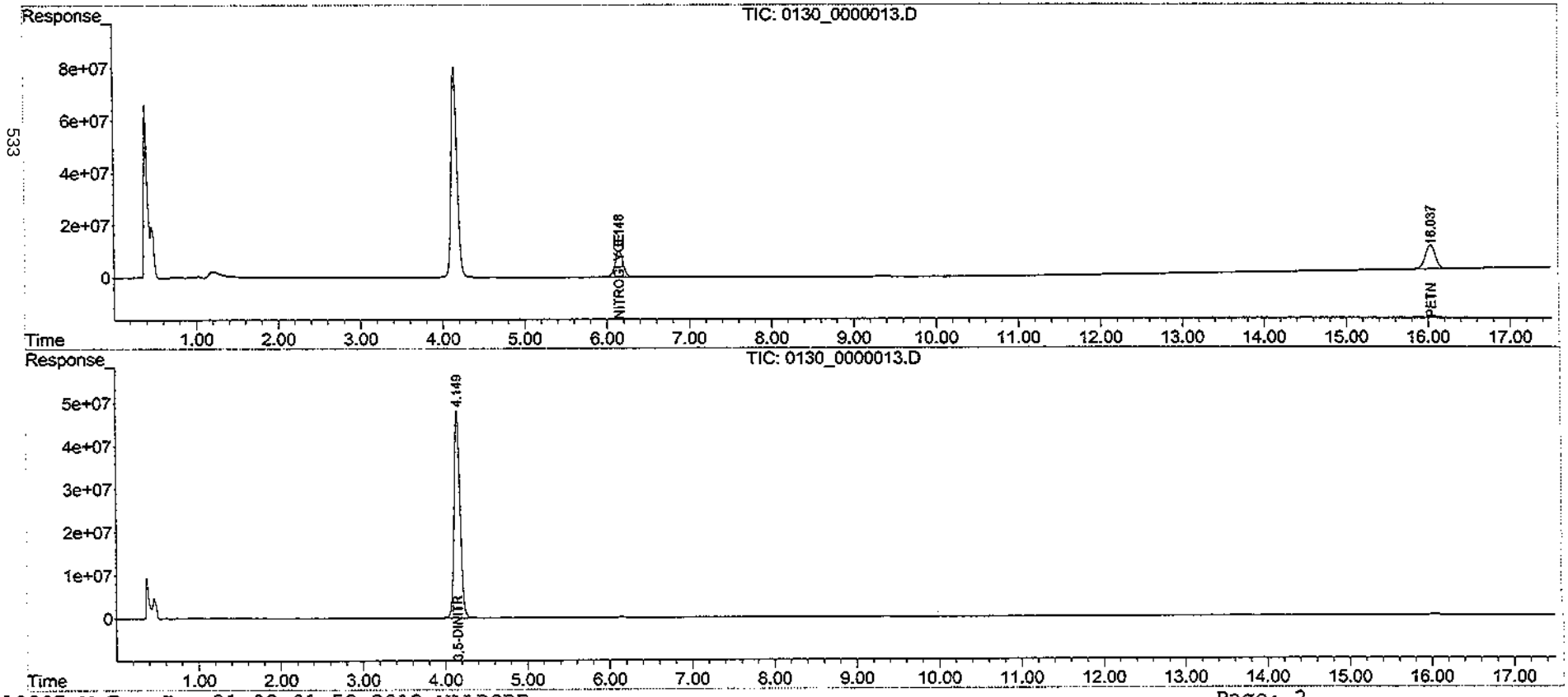
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000013.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 17:19:58
Operator : mp
Sample : 8830B_MX-B 2.0 PPM 01/30/12
Misc :
ALS Vial : 4160 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 08:01:50 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000014.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 17:57:25
Operator : mp
Sample : 8830B_SS 1.0 PPM 01/30/12
Misc :
ALS Vial : 4161 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 08:12:57 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.756	0	14072144	N.D.	1004.996	#
	Spiked Amount 62.500			Recovery =		0.00%	1607.99%	
	Target Compounds							
1)	TM HMX	0.000	0.952	0	29476143	N.D.	1007.927	#
2)	TM RDX	0.000	1.803	0	18380279	N.D.	978.319	#
3)	TM 1,3,5-TRI...	0.000	2.921	0	30304728	N.D.	961.715	#
5)	TM 1,3-DINIT...	0.000	3.893	0	30551565	N.D.	1013.666	#
6)	TM 3,5-DINIT...	0.000	4.153	0	26323499	N.D.	1026.404	#
7)	TM NITROBENZENE	0.000	5.281	0	13922535	N.D.	998.607	#
8)	TM NITROGLYC...	6.148	6.145	5522927	117796	1073.842	NoCal	#
9)	TM TETRYL	6.676	6.676	14430548	8845938	NoCal	869.385	#
10)	TM 2,4,6-TRI...	7.138	7.138	16006768	12700385	NoCal	974.760	#
11)	TM 2-AMINO-4...	7.524	7.524	18660616	12690628	NoCal	1044.707	#
12)	TM 4-AMINO-2...	7.819	7.819	18986754	10443669	NoCal	1090.959	#
13)	TM 2,4-DINIT...	9.010	9.010	9563215	13319976	NoCal	1060.884	#
14)	TM 2,6-DINIT...	9.347	9.347	9656064	7043586	NoCal	996.054	#
15)	TM 2-NITROTO...	0.000	12.731	0	5178966	N.D.	1038.845	#
16)	TM 4-NITROTO...	0.000	13.336	0	5037825	N.D.	1032.033	#
17)	TM 3-NITROTO...	0.000	14.198	0	6263188	N.D.	1066.683	#
18)	TM PETN	16.035	0.000	4457865	0	1005.104	N.D.	#

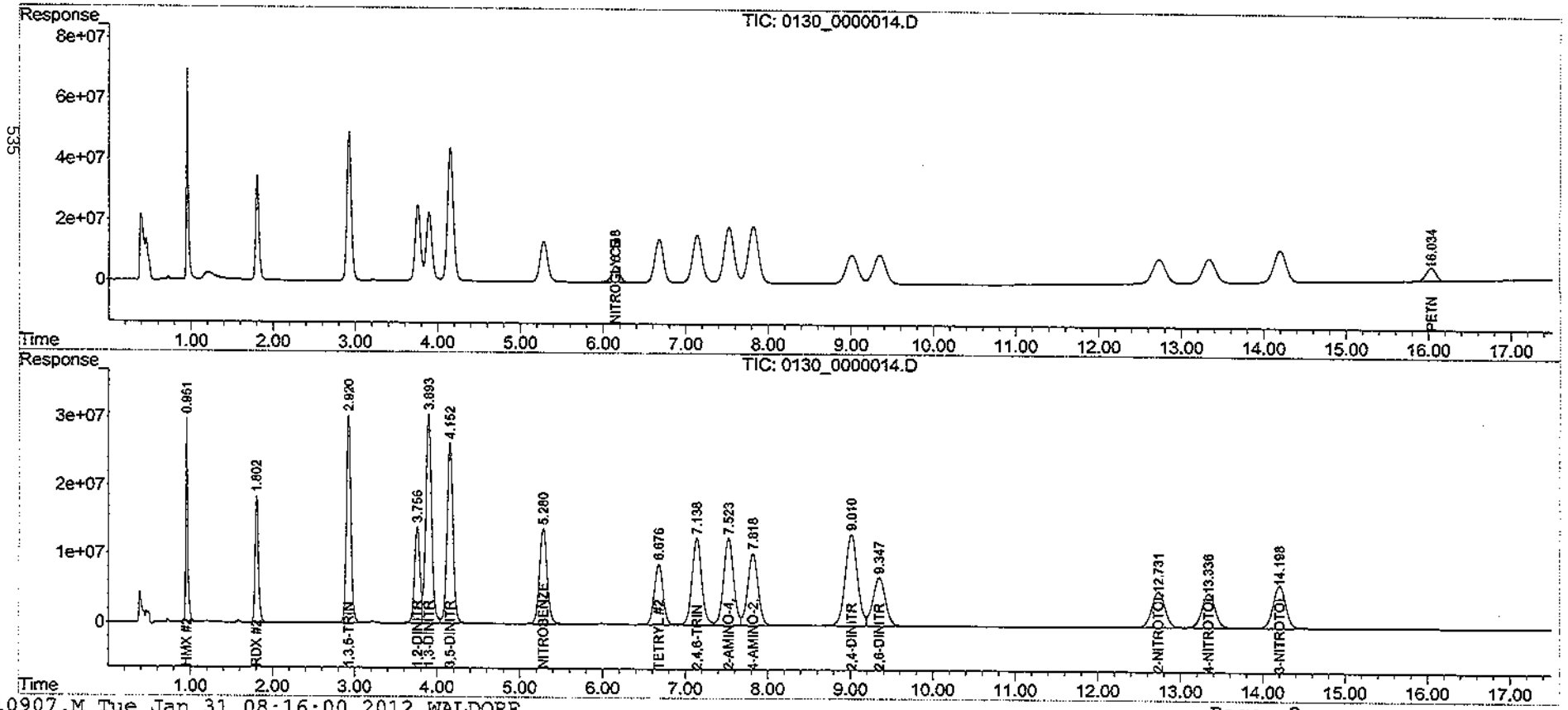
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000014.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 17:57:25
Operator : mp
Sample : 8830B_SS 1.0 PPM 01/30/12
Misc :
ALS Vial : 4161 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 08:12:57 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000004.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 15:05:36
Operator : mp
Sample : 8330_CCV 1.0 PPM 03/01/12
Misc :
ALS Vial : 4424 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 08:08:20 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.765	0	13845692	N.D.	988.823	#
	Spiked Amount 62.500			Recovery	=	0.00%	1582.12%	
	Target Compounds							
1)	TM HMX	0.000	0.952	0	28644846	N.D.	979.501	#
2)	TM RDX	0.000	1.807	0	18090172	N.D.	962.878	#
3)	TM 1,3,5-TRI...	0.000	2.935	0	30364649	N.D.	963.617	#
5)	TM 1,3-DINIT...	0.000	3.909	0	29712324	N.D.	985.821	#
6)	TM 3,5-DINIT...	0.000	4.156	0	24287836	N.D.	947.030	#
7)	TM NITROBENZENE	0.000	5.295	0	13414734	N.D.	962.184	#
8)	TM NITROGLYC...	6.200	6.200	5099432	99272	991.299	NoCal	#
9)	TM TETRYL	6.706	6.706	15727992	9635290	NoCal	946.963	#
10)	TM 2,4,6-TRI...	7.182	7.182	16698943	13249903	NoCal	1016.936	#
11)	TM 2-AMINO-4...	7.535	7.535	18888622	12857578	NoCal	1058.450	#
12)	TM 4-AMINO-2...	7.823	7.823	18247693	10052232	NoCal	1050.069	#
13)	TM 2,4-DINIT...	9.058	9.057	9267018	12801528	NoCal	1019.592	#
14)	TM 2,6-DINIT...	9.393	9.392	9847288	7161107	NoCal	1012.673	#
15)	TM 2-NITROTO...	0.000	12.764	0	5027974	N.D.	1008.557	#
16)	TM 4-NITROTO...	0.000	13.365	0	4989573	N.D.	1022.148	#
17)	TM 3-NITROTO...	0.000	14.227	0	5981623	N.D.	1018.730	#
18)	TM PETN	16.140	0.000	4598600	0	1036.835	N.D.	#

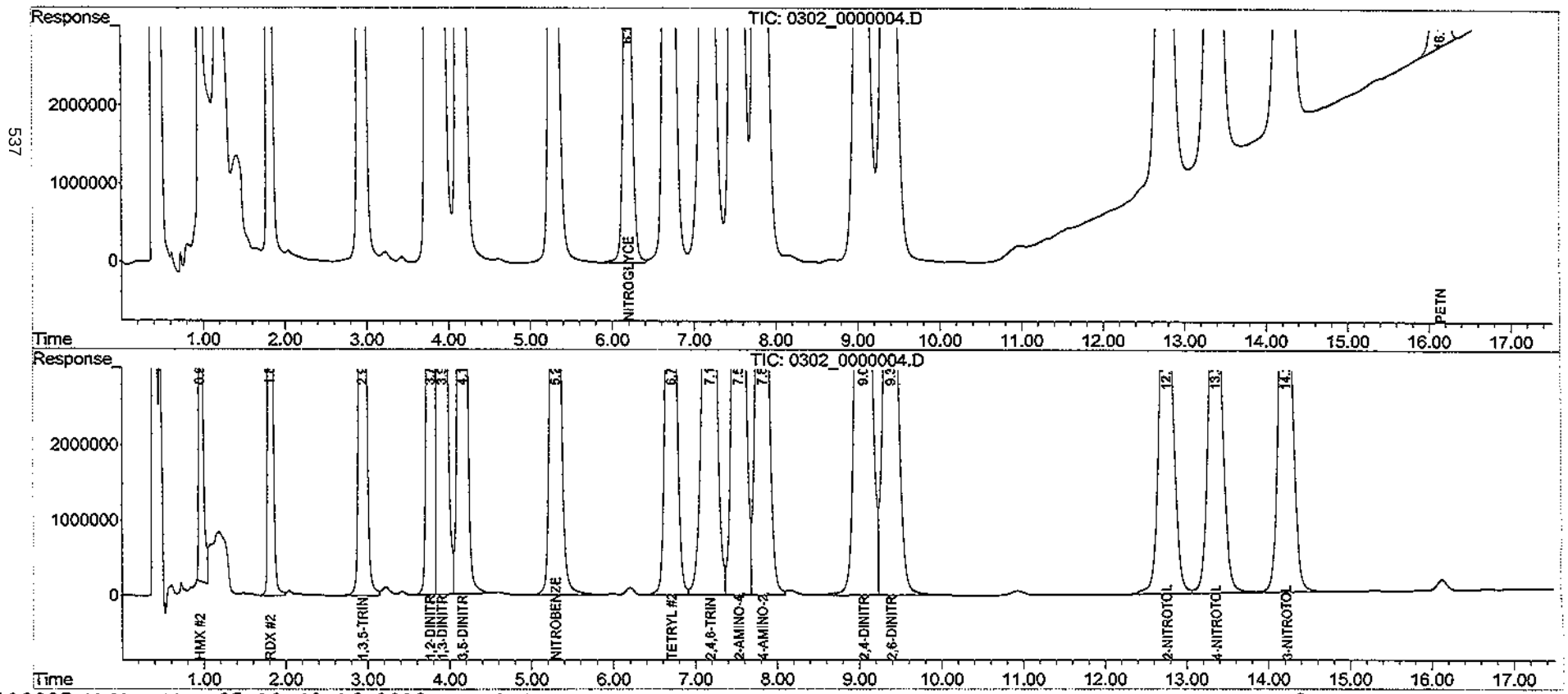
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000004.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 15:05:36
Operator : mp
Sample : 8330_CCV 1.0 PPM 03/01/12
Misc :
ALS Vial : 4424 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 08:08:20 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000019.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 23:37:51
Operator : mp
Sample : 8330_CCV 1.0 PPM 03/01/12
Misc :
ALS Vial : 4424 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 08:08:22 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.759	0	13832030	N.D.	987.847	#
	Spiked Amount 62.500			Recovery	=	0.00%	1580.56%	
	Target Compounds							
1)	TM HMX	0.000	0.953	0	28413600	N.D.	971.594	#
2)	TM RDX	0.000	1.807	0	17892318	N.D.	952.347	#
3)	TM 1,3,5-TRI...	0.000	2.931	0	30314377	N.D.	962.021	#
5)	TM 1,3-DINIT...	0.000	3.902	0	29739787	N.D.	986.733	#
6)	TM 3,5-DINIT...	0.000	4.153	0	24194955	N.D.	943.408	#
7)	TM NITROBENZENE	0.000	5.282	0	13153739	N.D.	943.464	#
8)	TM NITROGLYC...	6.181	6.182	5087621	114439	988.997	NoCal	#
9)	TM TETRYL	6.691	6.691	14884403	9144563	NoCal	898.734	#
10)	TM 2,4,6-TRI...	7.162	7.162	16532587	13149256	NoCal	1009.211	#
11)	TM 2-AMINO-4...	7.524	7.524	18805858	12783334	NoCal	1052.338	#
12)	TM 4-AMINO-2...	7.811	7.811	18179276	9986536	NoCal	1043.206	#
13)	TM 2,4-DINIT...	9.036	9.036	9251959	12799357	NoCal	1019.419	#
14)	TM 2,6-DINIT...	9.369	9.369	9816979	7158991	NoCal	1012.373	#
15)	TM 2-NITROTO...	0.000	12.740	0	4890090	N.D.	980.899	#
16)	TM 4-NITROTO...	0.000	13.342	0	4900019	N.D.	1003.802	#
17)	TM 3-NITROTO...	0.000	14.203	0	5843375	N.D.	995.185	#
18)	TM PETN	16.109	0.000	4559256	0	1027.965	N.D.	#

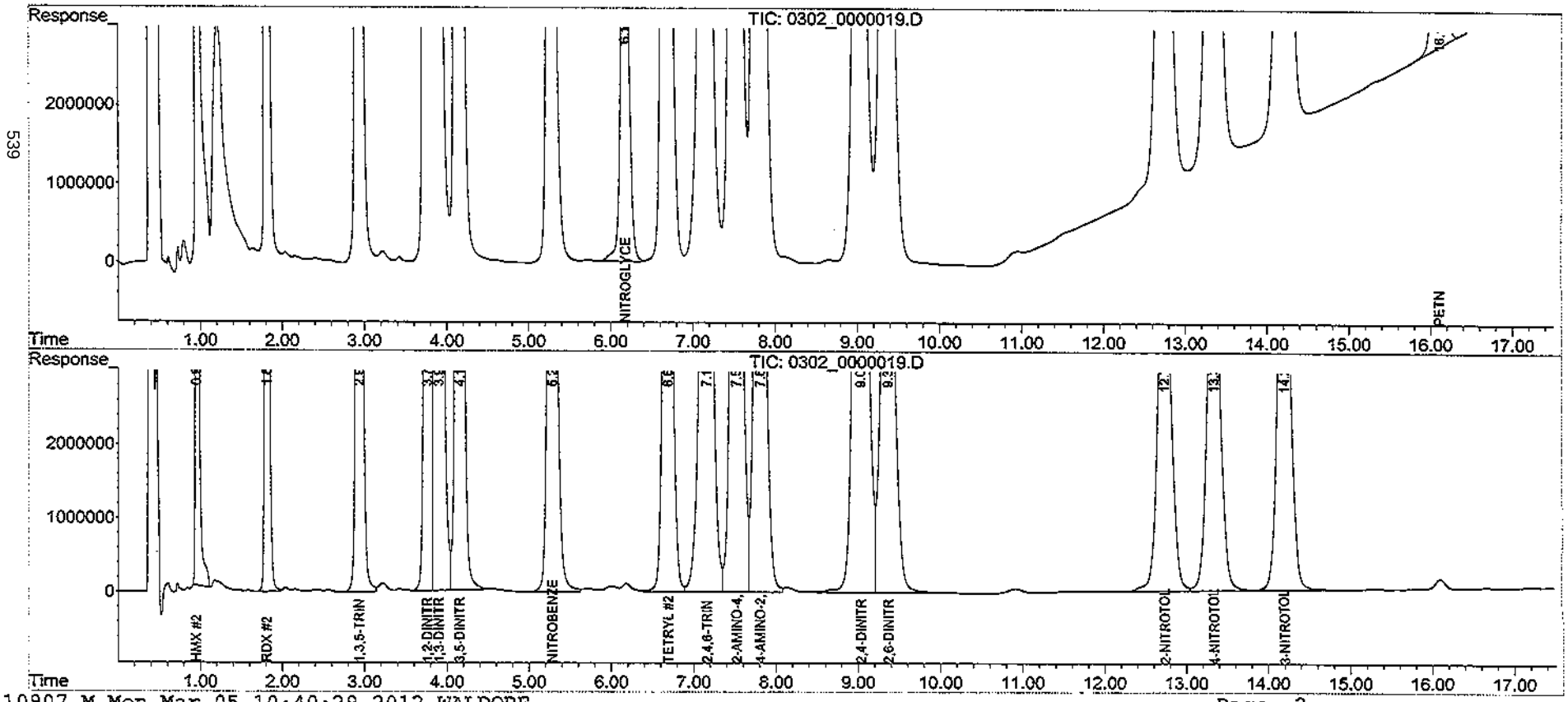
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000019.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 23:37:51
Operator : mp
Sample : 8330_CCV 1.0 PPM 03/01/12
Misc :
ALS Vial : 4424 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 08:08:22 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000030.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 06:19:48
Operator : mp
Sample : 8330_CCV 1.0 PPM 03/01/12
Misc :
ALS Vial : 4424 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 08:08:24 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.763	0	13895695	N.D.	992.394	#
	Spiked Amount 62.500			Recovery	=	0.00%	1587.83%	
	Target Compounds							
1)	TM HMX	0.000	0.951	0	28079162	N.D.	960.158	#
2)	TM RDX	0.000	1.806	0	17837751	N.D.	949.442	#
3)	TM 1,3,5-TRI...	0.000	2.932	0	30260745	N.D.	960.319	#
5)	TM 1,3-DINIT...	0.000	3.906	0	29763554	N.D.	987.521	#
6)	TM 3,5-DINIT...	0.000	4.159	0	24093908	N.D.	939.468	#
7)	TM NITROBENZENE	0.000	5.287	0	12928109	N.D.	927.281	#
8)	TM NITROGLYC...	6.185	6.185	5101901	113654	991.780	NoCal	#
9)	TM TETRYL	6.700	6.700	14792826	9087113	NoCal	893.088	#
10)	TM 2,4,6-TRI...	7.169	7.169	16522804	13135581	NoCal	1008.161	#
11)	TM 2-AMINO-4...	7.536	7.536	18749274	12732139	NoCal	1048.124	#
12)	TM 4-AMINO-2...	7.823	7.823	18114024	9940653	NoCal	1038.414	#
13)	TM 2,4-DINIT...	9.045	9.044	9260388	12828062	NoCal	1021.705	#
14)	TM 2,6-DINIT...	9.378	9.378	9834288	7178719	NoCal	1015.163	#
15)	TM 2-NITROTO...	0.000	12.746	0	4806732	N.D.	964.179	#
16)	TM 4-NITROTO...	0.000	13.347	0	4837898	N.D.	991.076	#
17)	TM 3-NITROTO...	0.000	14.210	0	5736503	N.D.	976.984	#
18)	TM PETN	16.111	0.000	4538780	0	1023.348	N.D.	#

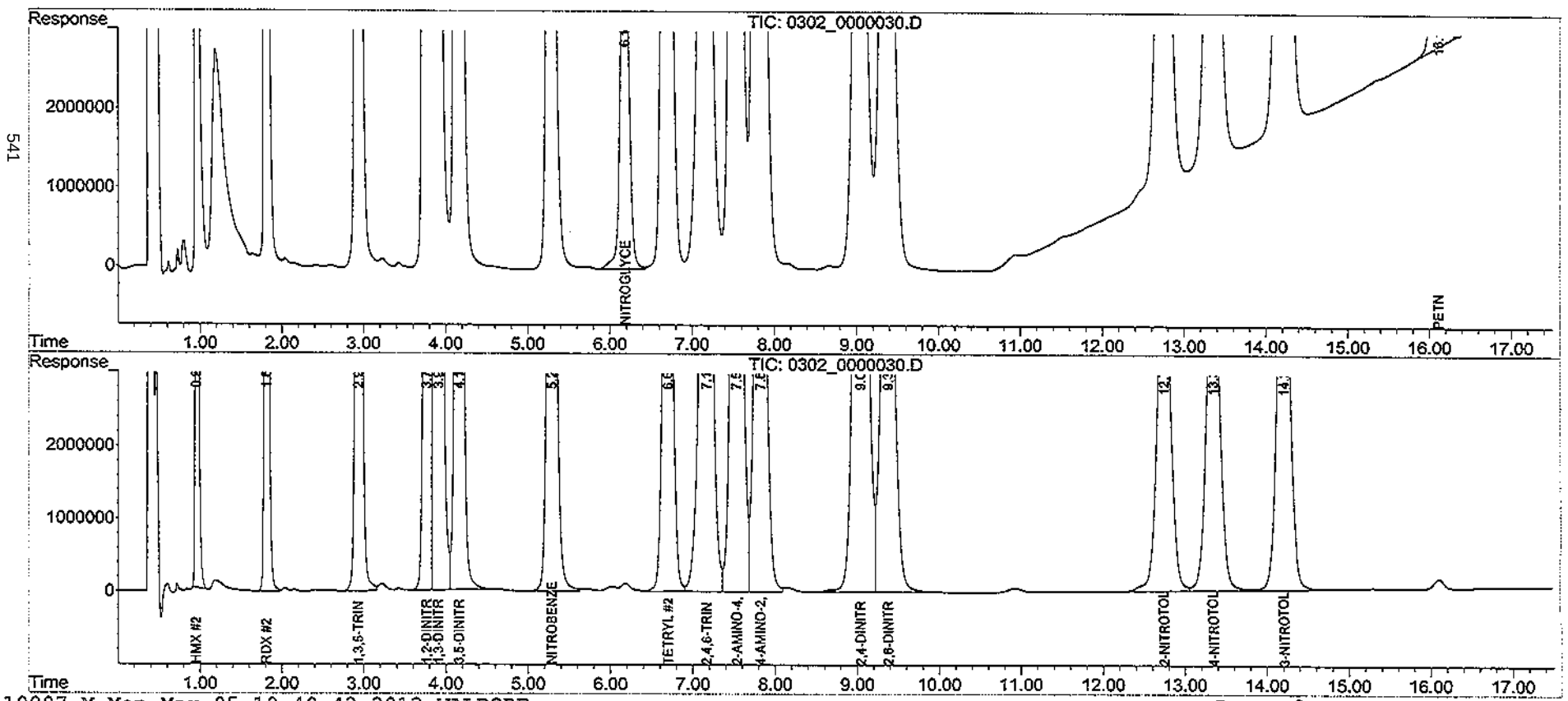
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000030.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 06:19:48
Operator : mp
Sample : 8330_CCV 1.0 PPM 03/01/12
Misc :
ALS Vial : 4424 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 08:08:24 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



541

EPA METHOD 8330B
Explosives

Raw Data

APPL, INC.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000017.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 22:22:55
Operator : mp
Sample : AY55846S02 8.000 DF 03/01/12
Misc : soil
ALS Vial : 4100 Sample Multiplier: 8

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:55 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.762	0	1102575	N.D.	629.944 #
	Spiked Amount 600.000			Recovery	=	0.00%	104.99%
	Target Compounds						
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D.
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM	NITROGLYC...	6.219	0.000	7503	0	N.D.	N.D.
9) TM	TETRYL	6.667	0.000	4366	0	NoCal	N.D.
10) TM	2,4,6-TRI...	7.170	0.000	9597	0	NoCal	N.D.
11) TM	2-AMINO-4...	7.517	0.000	10620	0	NoCal	N.D.
12) TM	4-AMINO-2...	7.789	0.000	5672	0	NoCal	N.D.
13) TM	2,4-DINIT...	9.067	0.000	9630	0	NoCal	N.D.
14) TM	2,6-DINIT...	9.434	0.000	9558	0	NoCal	N.D.
15) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
16) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
17) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
18) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

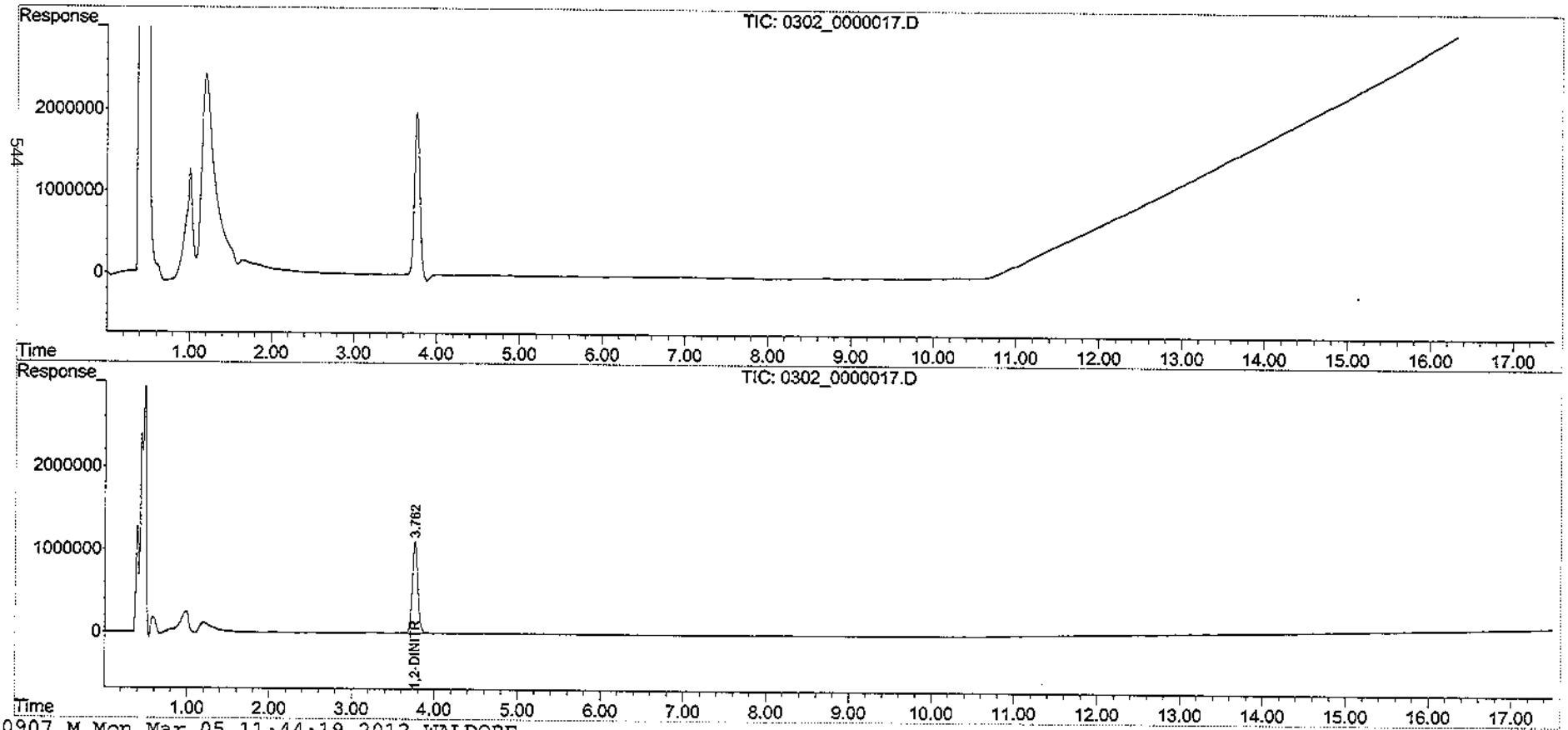
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000017.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 22:22:55
Operator : mp
Sample : AY55846S02 8.000 DF 03/01/12
Misc : soil
ALS Vial : 4100 Sample Multiplier: 8

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:55 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000018.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 23:00:21
Operator : mp
Sample : AY55847S02 7.976 DF 03/01/12
Misc : soil
ALS Vial : 4101 Sample Multiplier: 7.97607

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:57 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
4) S 1,2-DINIT...	0.000	3.758	0	1098304	N.D.	625.627 #
Spiked Amount 598.205			Recovery =		0.00%	104.58%
Target Compounds						
1) TM HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM RDX	0.000	0.000	0	0	N.D.	N.D.
3) TM 1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM 1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM 3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM NITROGLYC...	6.099	0.000	2475	0	N.D.	N.D.
9) TM TETRYL	6.696	0.000	2846	0	NoCal	N.D.
10) TM 2,4,6-TRI...	7.230	0.000	5586	0	NoCal	N.D.
11) TM 2-AMINO-4...	7.598	0.000	7595	0	NoCal	N.D.
12) TM 4-AMINO-2...	7.784	0.000	4756	0	NoCal	N.D.
13) TM 2,4-DINIT...	9.059	0.000	13124	0	NoCal	N.D.
14) TM 2,6-DINIT...	9.411	0.000	3944	0	NoCal	N.D.
15) TM 2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
16) TM 4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
17) TM 3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
18) TM PETN	0.000	0.000	0	0	N.D.	N.D.

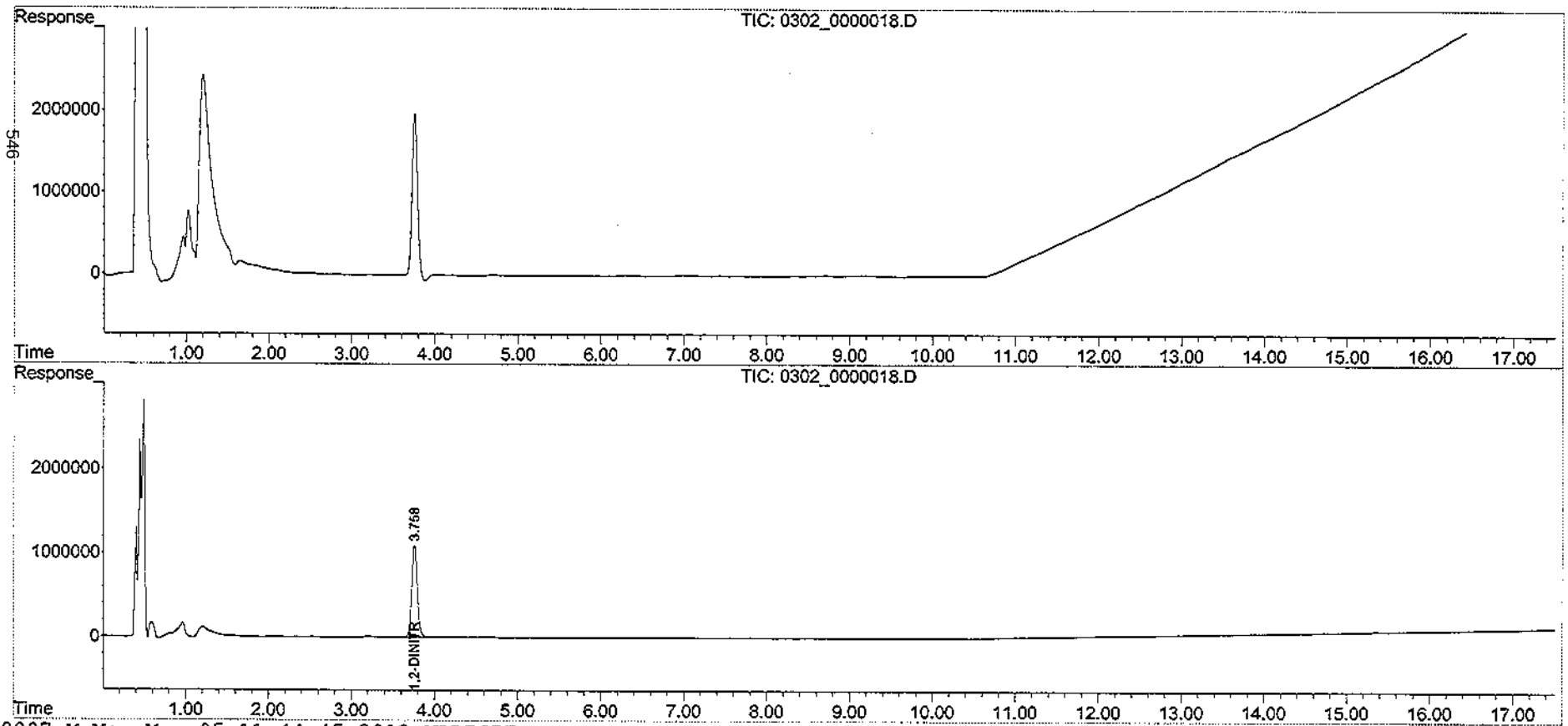
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000018.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 23:00:21
Operator : mp
Sample : AY55847S02 7.976 DF 03/01/12
Misc : soil
ALS Vial : 4101 Sample Multiplier: 7.97607

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:57 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000020.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 00:05:21
Operator : mp
Sample : AY55848S02 7.976 DF 03/01/12
Misc : soil
ALS Vial : 4102 Sample Multiplier: 7.97607

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:59 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4)	S 1,2-DINIT...	0.000	3.766	0	1095569	N.D.	624.069 #
	Spiked Amount 598.205			Recovery	=	0.00%	104.32%
	Target Compounds						
1)	TM HMX	0.000	0.000	0	0	N.D.	N.D.
2)	TM RDX	0.000	0.000	0	0	N.D.	N.D.
3)	TM 1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5)	TM 1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6)	TM 3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7)	TM NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8)	TM NITROGLYC...	6.232	0.000	10987	0	N.D.	N.D.
9)	TM TETRYL	6.684	0.000	2589	0	NoCal	N.D.
10)	TM 2,4,6-TRI...	7.189	0.000	11614	0	NoCal	N.D.
11)	TM 2-AMINO-4...	7.536	0.000	8684	0	NoCal	N.D.
12)	TM 4-AMINO-2...	7.828	0.000	13924	0	NoCal	N.D.
13)	TM 2,4-DINIT...	9.119	0.000	15075	0	NoCal	N.D.
14)	TM 2,6-DINIT...	9.395	0.000	13096	0	NoCal	N.D.
15)	TM 2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
16)	TM 4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
17)	TM 3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
18)	TM PETN	0.000	0.000	0	0	N.D.	N.D.

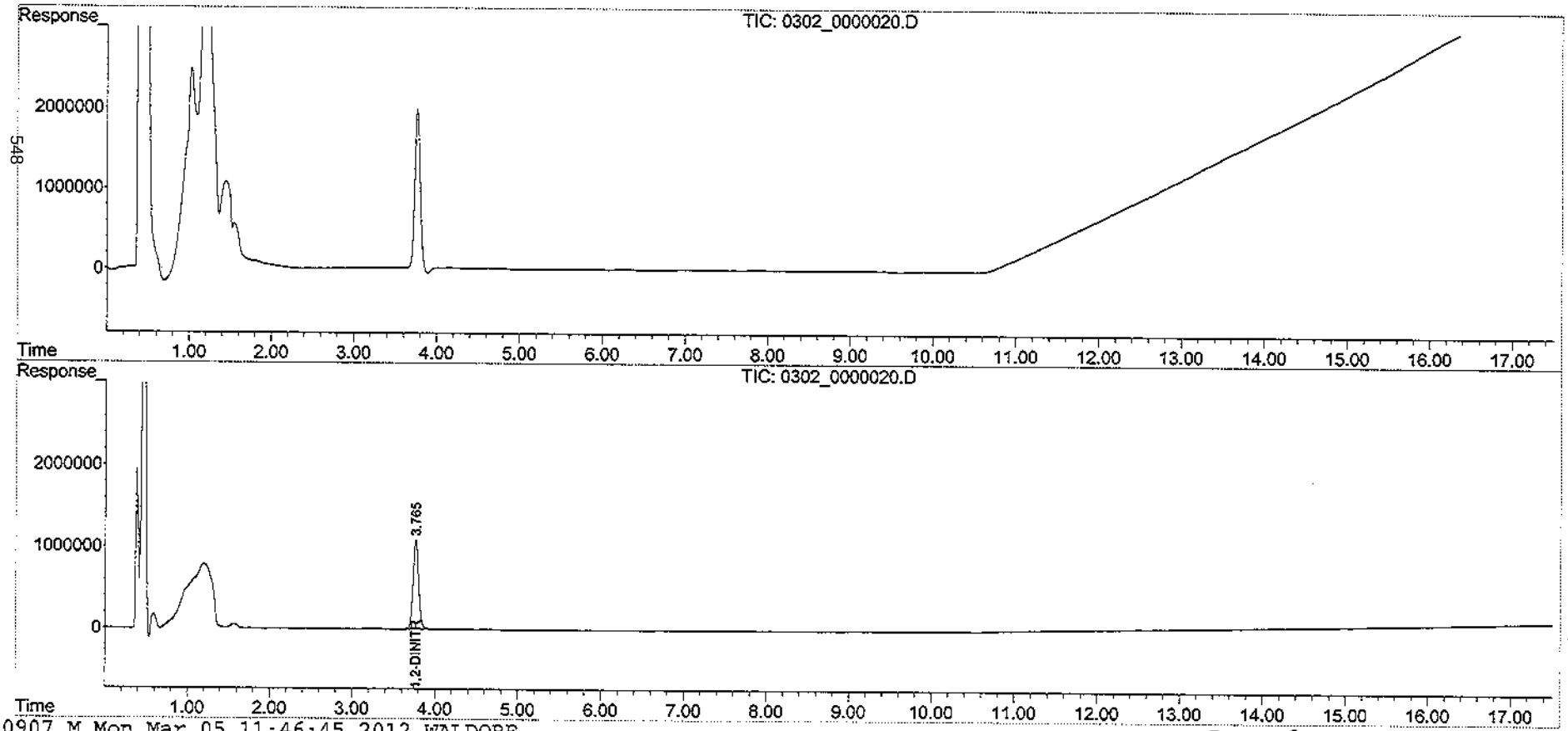
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000020.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 00:05:21
Operator : mp
Sample : AY55848S02 7.976 DF 03/01/12
Misc : soil
ALS Vial : 4102 Sample Multiplier: 7.97607

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:59 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000021.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 00:42:47
Operator : mp
Sample : AY55849S02 7.952 DF 03/01/12
Misc : soil
ALS Vial : 4103 Sample Multiplier: 7.95229

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:01 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.761	0	1111603	N.D.	631.315 #
Spiked Amount	596.421			Recovery	=	0.00%	105.85%
	Target Compounds						
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D.
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM	NITROGLYC...	6.238	0.000	13258	0	N.D.	N.D.
9) TM	TETRYL	6.714	0.000	5340	0	NoCal	N.D.
10) TM	2,4,6-TRI...	7.196	0.000	8352	0	NoCal	N.D.
11) TM	2-AMINO-4...	7.555	0.000	8572	0	NoCal	N.D.
12) TM	4-AMINO-2...	7.823	0.000	11173	0	NoCal	N.D.
13) TM	2,4-DINIT...	9.040	0.000	11949	0	NoCal	N.D.
14) TM	2,6-DINIT...	9.421	0.000	11981	0	NoCal	N.D.
15) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
16) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
17) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
18) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

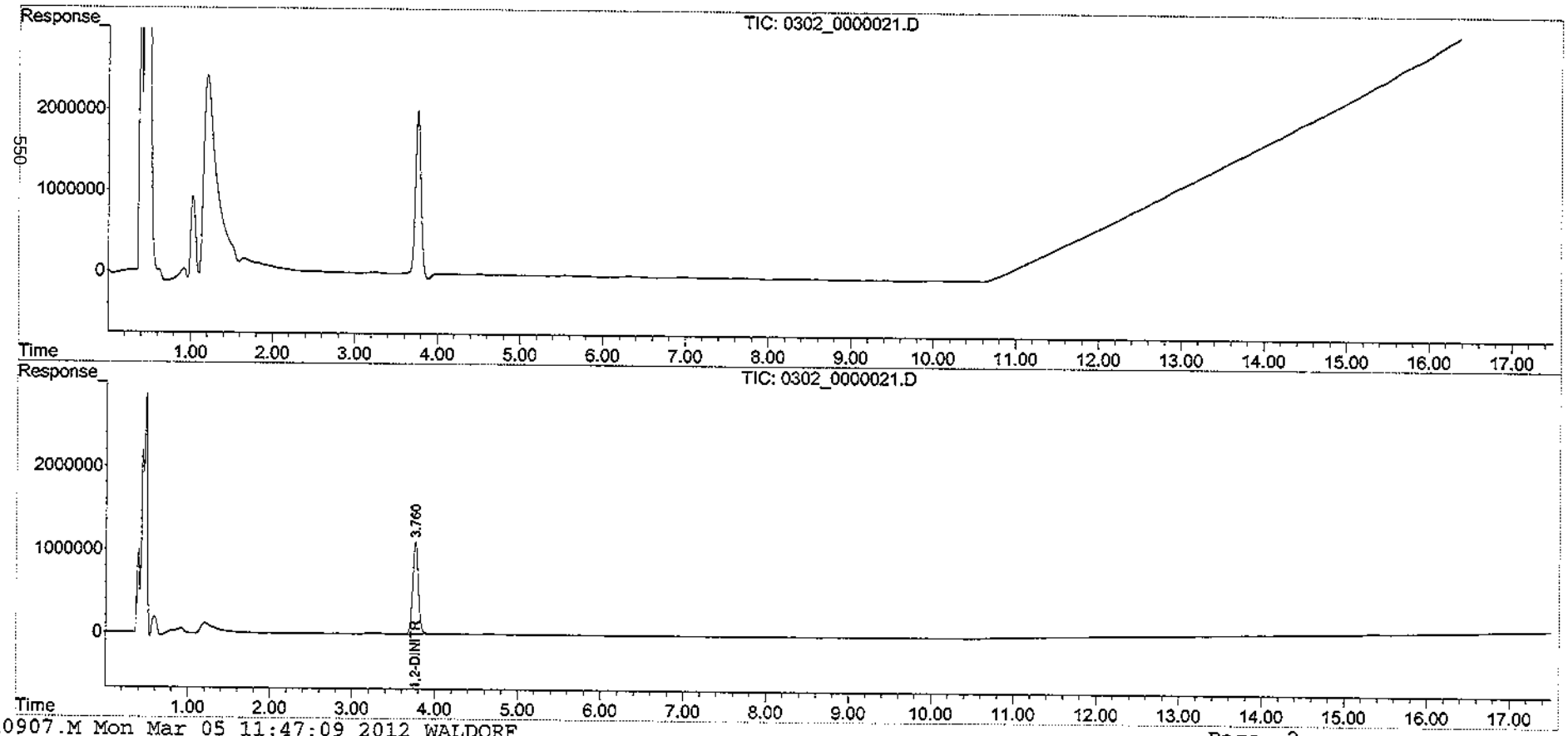
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000021.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 00:42:47
Operator : mp
Sample : AY55849S02 7.952 DF 03/01/12
Misc : soil
ALS Vial : 4103 Sample Multiplier: 7.95229

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:01 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000022.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 01:20:12
Operator : mp 1 tm 3/6/12
Sample : AY55850S02 7.92 DF 03/01/12
Misc : soil
ALS Vial : 4104 Sample Multiplier: 7.92079

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:03 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.768	0	1089042	N.D.	616.052 #
	Spiked Amount 594.059			Recovery	=	0.00%	103.70%
	Target Compounds						
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D.
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM	NITROGLYC...	6.168	0.000	7455	0	N.D.	N.D.
9) TM	TETRYL	6.708	0.000	12006	0	NoCal	N.D.
0) TM	2,4,6-TRI...	7.188	0.000	9234	0	NoCal	N.D.
1) TM	2-AMINO-4...	7.534	0.000	10458	0	NoCal	N.D.
2) TM	4-AMINO-2...	7.821	0.000	11246	0	NoCal	N.D.
3) TM	2,4-DINIT...	9.158	0.000	13595	0	NoCal	N.D.
4) TM	2,6-DINIT...	9.403	0.000	14313	0	NoCal	N.D.
5) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
6) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
7) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
8) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

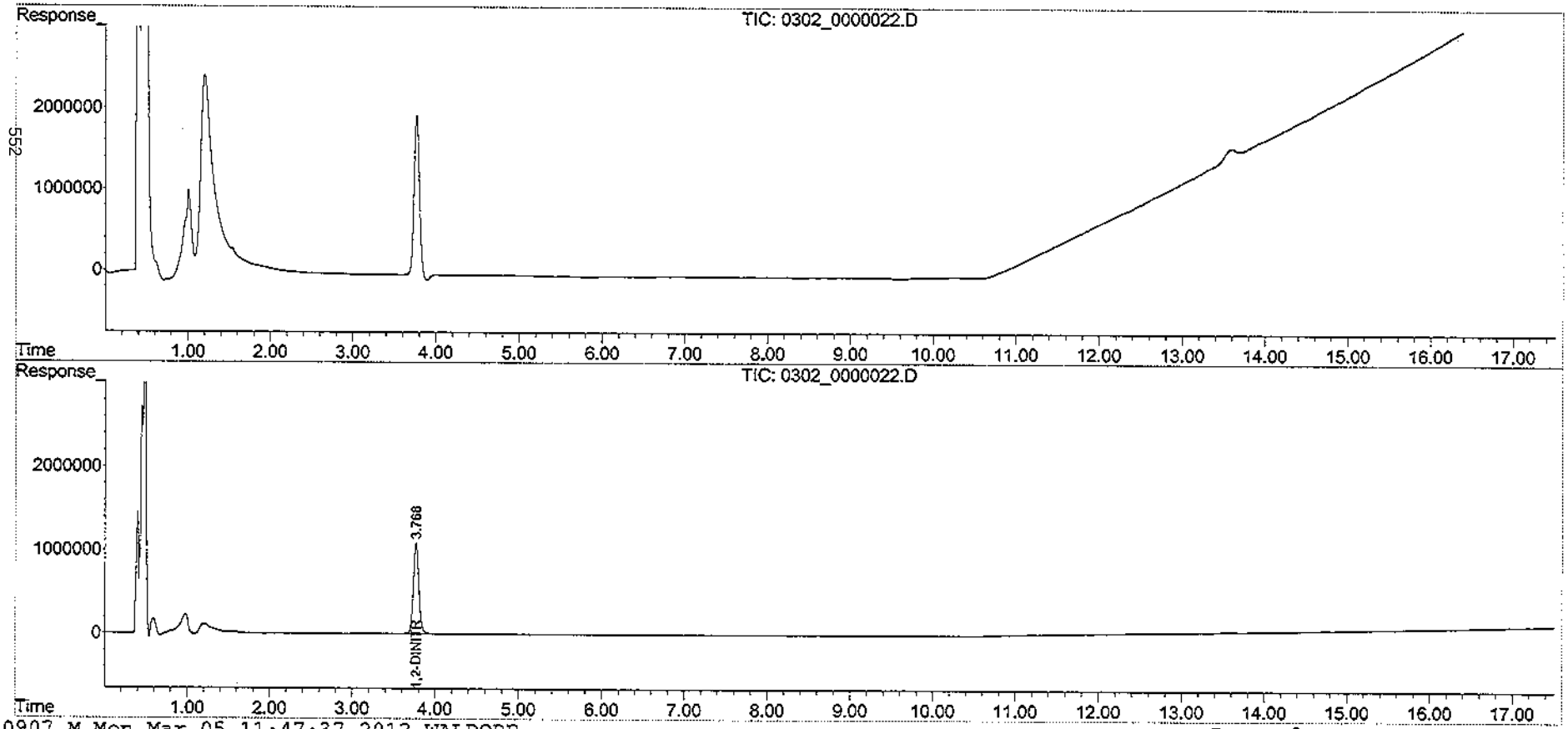
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000022.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 01:20:12
Operator : mp
Sample : AY55850S02 7.929 DF 03/01/12
Misc : soil
ALS Vial : 4104 Sample Multiplier: 7.92079

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:03 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000023.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 01:57:38
Operator : mp
Sample : AY55851S02 7.905 DF 03/01/12
Misc : soil
ALS Vial : 4160 Sample Multiplier: 7.90514

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:05 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.757	0	1102989	N.D.	622.708 #
	Spiked Amount 592.885			Recovery	=	0.00%	105.03%
	Target Compounds						
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D.
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM	NITROGLYC...	6.270	0.000	11036	0	N.D.	N.D.
9) TM	TETRYL	6.750	0.000	5351	0	NoCal	N.D.
10) TM	2,4,6-TRI...	7.228	0.000	4092	0	NoCal	N.D.
11) TM	2-AMINO-4...	7.554	0.000	9614	0	NoCal	N.D.
12) TM	4-AMINO-2...	7.855	0.000	6377	0	NoCal	N.D.
13) TM	2,4-DINIT...	9.025	0.000	18738	0	NoCal	N.D.
14) TM	2,6-DINIT...	9.307	0.000	17283	0	NoCal	N.D.
15) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
16) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
17) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
18) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

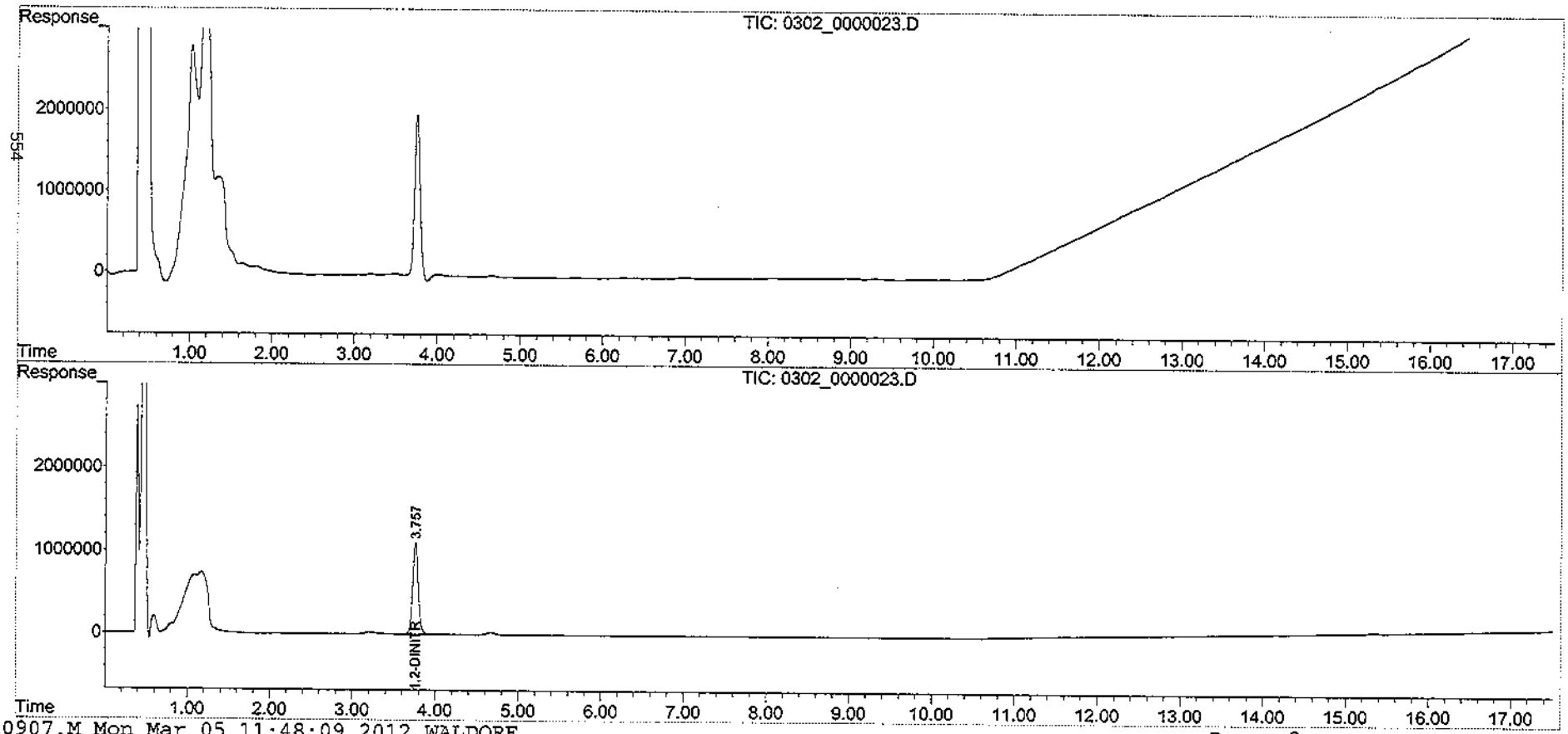
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000023.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 01:57:38
Operator : mp
Sample : AY55851S02 7.905 DF 03/01/12
Misc : soil
ALS Vial : 4160 Sample Multiplier: 7.90514

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:05 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000024.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 02:35:04
Operator : mp
Sample : AY55852S02 7.984 DF 03/01/12
Misc : soil
ALS Vial : 4161 Sample Multiplier: 7.98403

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:48:44 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.763	0	1108464	N.D.	632.045 #
	Spiked Amount 598.802			Recovery	=	0.00%	105.55%
	Target Compounds						
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D.
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM	NITROGLYC...	0.000	0.000	0	0	N.D. d	N.D.
9) TM	TETRYL	6.743	0.000	19179	0	NoCal	N.D.
10) TM	2,4,6-TRI...	7.177	0.000	9498	0	NoCal	N.D.
11) TM	2-AMINO-4...	7.577	0.000	16382	0	NoCal	N.D.
12) TM	4-AMINO-2...	7.832	0.000	18453	0	NoCal	N.D.
13) TM	2,4-DINIT...	9.067	0.000	9234	0	NoCal	N.D.
14) TM	2,6-DINIT...	9.400	0.000	12715	0	NoCal	N.D.
15) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
16) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
17) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
18) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

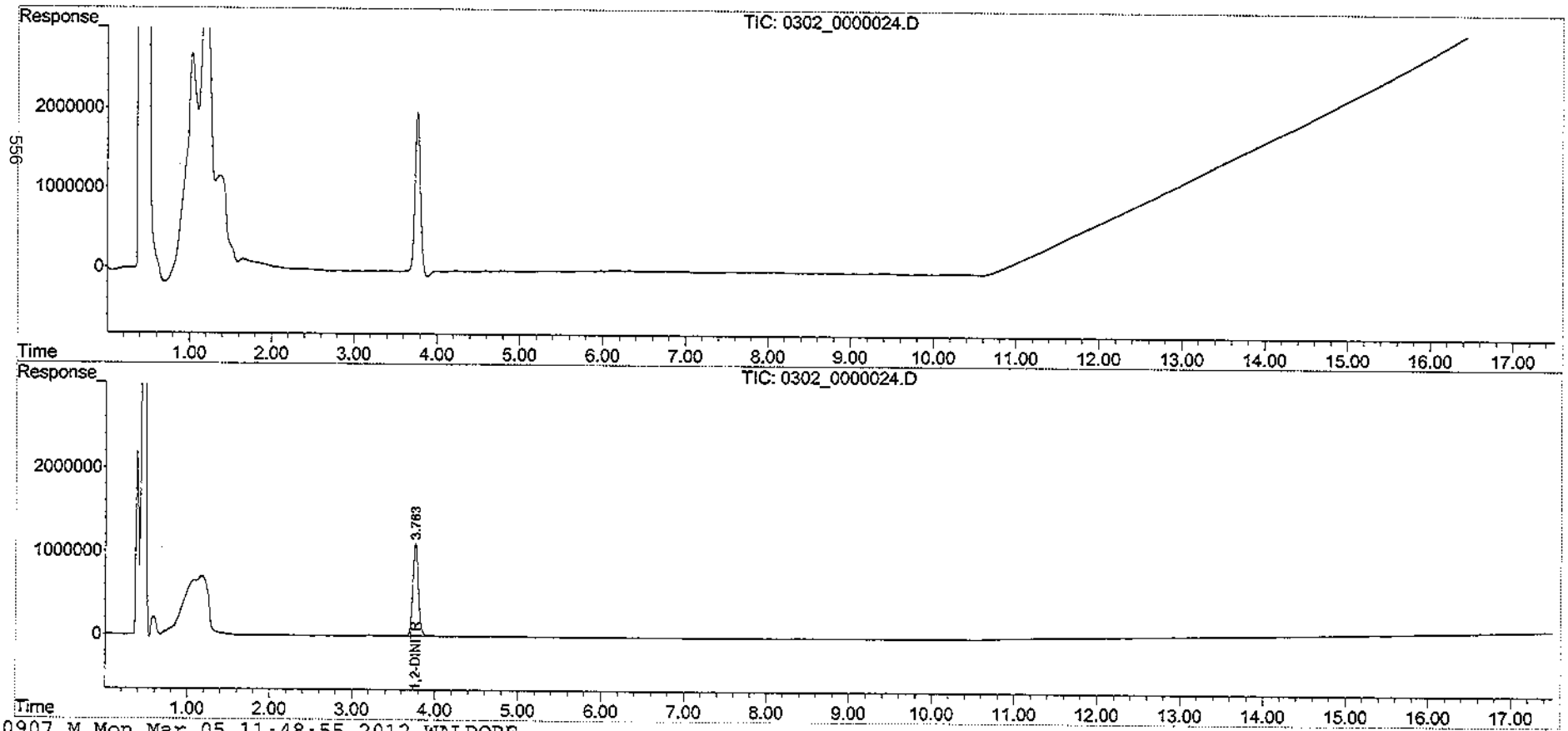
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000024.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 02:35:04
Operator : mp
Sample : AY55852S02 7.984 DF 03/01/12
Misc : soil
ALS Vial : 4161 Sample Multiplier: 7.98403

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:48:44 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000025.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 03:12:32
Operator : mp
Sample : AY55853S02 8.000 DF 03/01/12
Misc : soil
ALS Vial : 4162 Sample Multiplier: 8

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:09 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

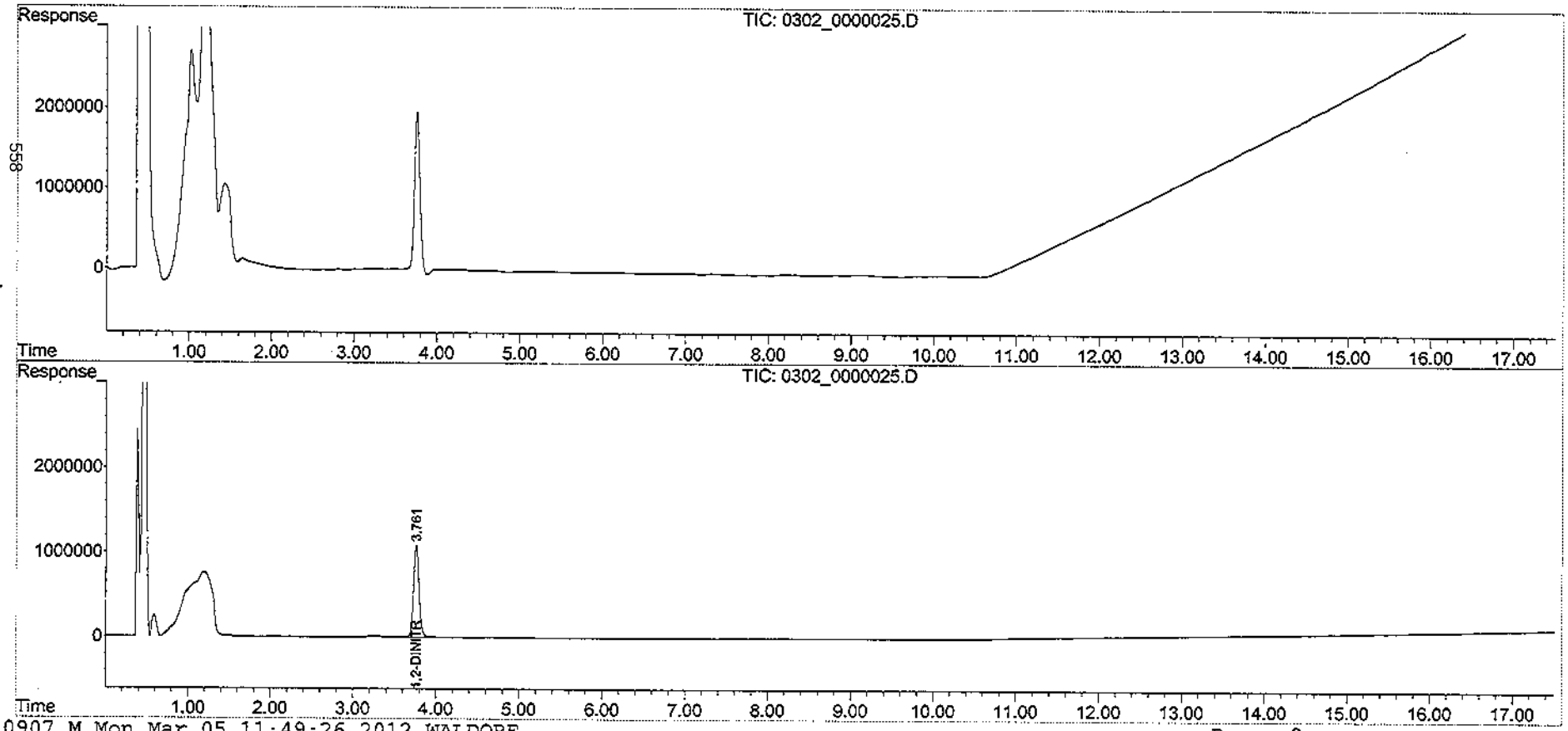
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.762	0	1087341	N.D.	621.240 #
	Spiked Amount 600.000			Recovery	=	0.00%	103.54%
	Target Compounds						
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D.
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM	NITROGLYC...	6.192	0.000	10976	0	N.D.	N.D.
9) TM	TETRYL	6.758	0.000	3649	0	NoCal	N.D.
10) TM	2,4,6-TRI...	7.084	0.000	7881	0	NoCal	N.D.
11) TM	2-AMINO-4...	0.000	0.000	0	0	N.D.	N.D.
12) TM	4-AMINO-2...	7.883	0.000	3203	0	NoCal	N.D.
13) TM	2,4-DINIT...	9.036	0.000	20561	0	NoCal	N.D.
14) TM	2,6-DINIT...	9.404	0.000	10145	0	NoCal	N.D.
15) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
16) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
17) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
18) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000025.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On   : 03-Mar-2012, 03:12:32
Operator : mp
Sample   : AY55853S02 8.000 DF 03/01/12
Misc   : soil
ALS Vial : 4162   Sample Multiplier: 8

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:09 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 40uL
Signal #1 Phase : 214nm   Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000026.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 03:49:59
Operator : mp
Sample : AY55854S02 7.960 DF 03/01/12
Misc : soil
ALS Vial : 4163 Sample Multiplier: 7.9602

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:11 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.762	0	1071303	N.D.	609.032 #
Spiked Amount	597.015			Recovery	=	0.00%	102.01%
	Target Compounds						
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D.
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM	NITROGLYC...	6.089	0.000	2998	0	N.D.	N.D.
9) TM	TETRYL	6.765	0.000	12746	0	NoCal	N.D.
0) TM	2,4,6-TRI...	7.183	0.000	13307	0	NoCal	N.D.
1) TM	2-AMINO-4...	7.473	0.000	9640	0	NoCal	N.D.
2) TM	4-AMINO-2...	7.814	0.000	19313	0	NoCal	N.D.
3) TM	2,4-DINIT...	9.070	0.000	11420	0	NoCal	N.D.
4) TM	2,6-DINIT...	9.384	0.000	13617	0	NoCal	N.D.
5) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
6) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
7) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
8) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

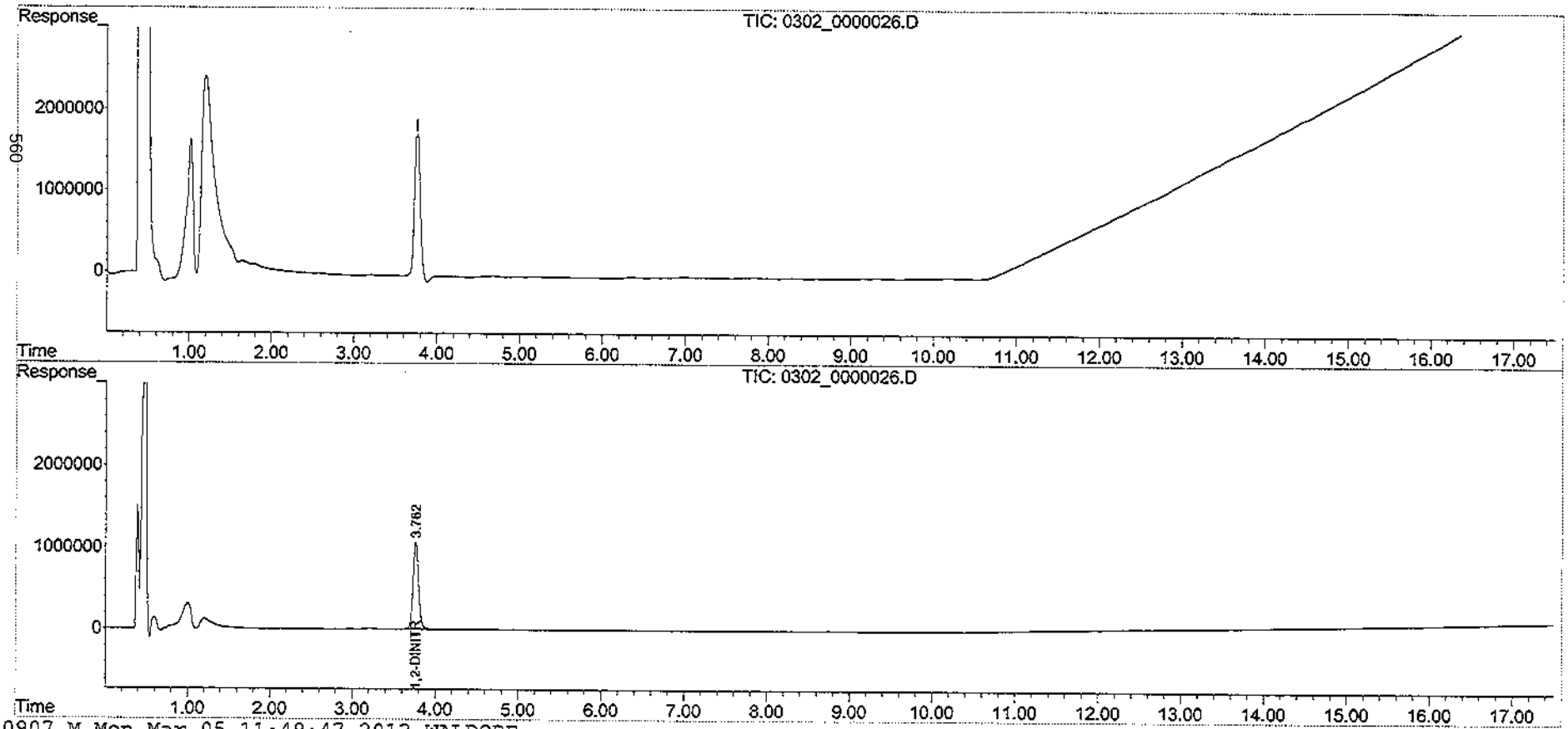
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000026.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 03:49:59
Operator : mp
Sample : AY55854S02 7.960 DF 03/01/12
Misc : soil
ALS Vial : 4163 Sample Multiplier: 7.9602

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:11 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000027.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 04:27:25
Operator : mp
Sample : AY55855S02 7.976 DF 03/01/12
Misc : soil
ALS Vial : 4164 Sample Multiplier: 7.97607

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:13 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

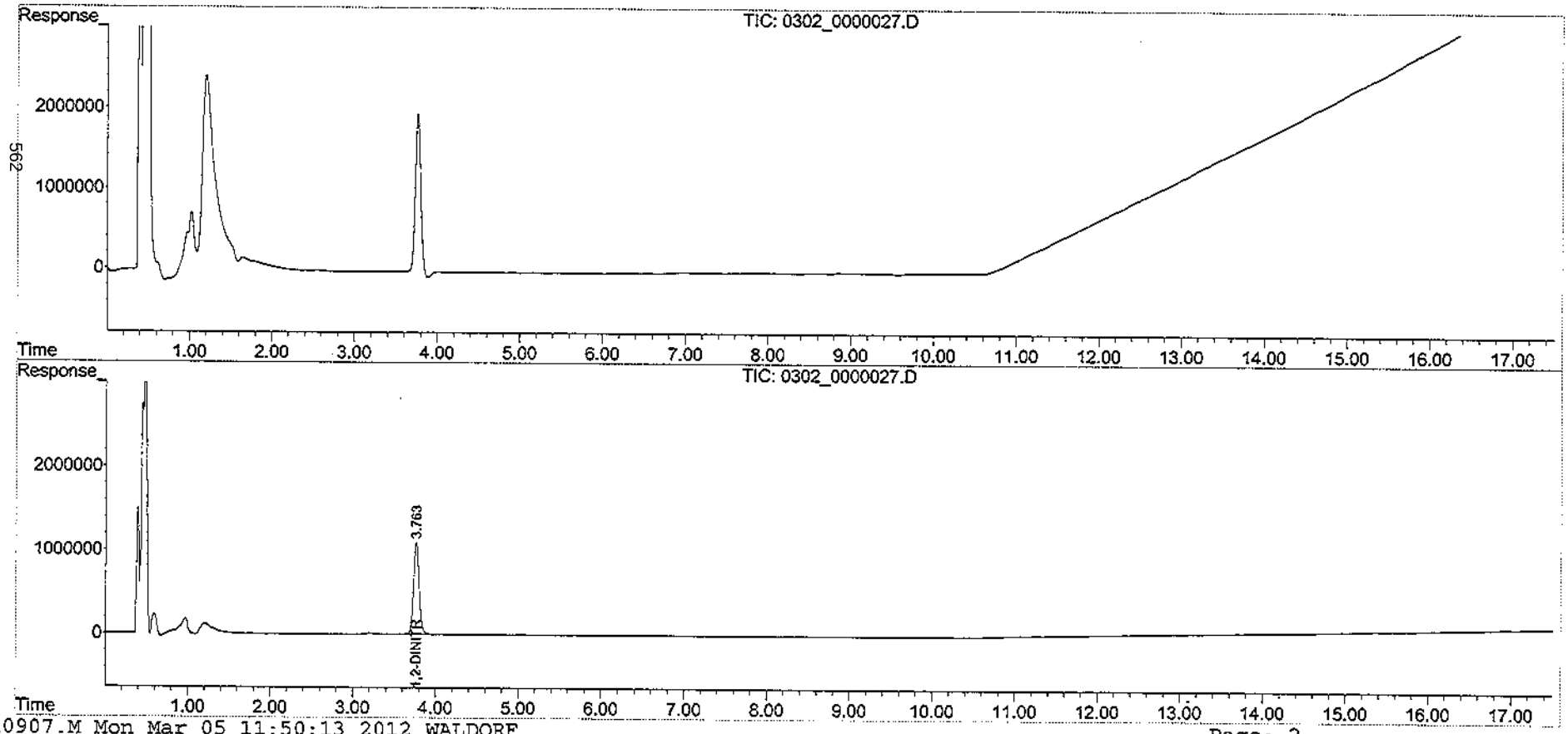
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.764	0	1095762	N.D.	624.179 #
Spiked Amount	598.205			Recovery	=	0.00%	104.34%
	Target Compounds						
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D.
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM	NITROGLYC...	6.197	0.000	9231	0	N.D.	N.D.
9) TM	TETRYL	6.685	0.000	4050	0	NoCal	N.D.
0) TM	2,4,6-TRI...	7.135	0.000	15017	0	NoCal	N.D.
1) TM	2-AMINO-4...	7.588	0.000	12607	0	NoCal	N.D.
2) TM	4-AMINO-2...	7.802	0.000	14658	0	NoCal	N.D.
3) TM	2,4-DINIT...	9.063	0.000	18203	0	NoCal	N.D.
4) TM	2,6-DINIT...	9.394	0.000	13263	0	NoCal	N.D.
5) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
6) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
7) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
8) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000027.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 04:27:25
Operator : mp
Sample : AY55855S02 7.976 DF 03/01/12
Misc : soil
ALS Vial : 4164 Sample Multiplier: 7.97607

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:13 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000028.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 05:04:52
Operator : mp
Sample : AY55856S02 8.000 DF 03/01/12
Misc : soil
ALS Vial : 4165 Sample Multiplier: 8

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:15 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4)	S 1,2-DINIT...	0.000	3.760	0	1082168	N.D.	618.285 #
	Spiked Amount 600.000			Recovery	=	0.00%	103.05%
	Target Compounds						
1)	TM HMX	0.000	0.000	0	0	N.D.	N.D.
2)	TM RDX	0.000	0.000	0	0	N.D.	N.D.
3)	TM 1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5)	TM 1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6)	TM 3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7)	TM NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8)	TM NITROGLYC...	6.205	0.000	5215	0	N.D.	N.D.
9)	TM TETRYL	6.722	0.000	8597	0	NoCal	N.D.
10)	TM 2,4,6-TRI...	7.154	0.000	17425	0	NoCal	N.D.
11)	TM 2-AMINO-4...	7.545	0.000	11233	0	NoCal	N.D.
12)	TM 4-AMINO-2...	7.763	0.000	7519	0	NoCal	N.D.
13)	TM 2,4-DINIT...	9.049	0.000	18575	0	NoCal	N.D.
14)	TM 2,6-DINIT...	9.378	0.000	11711	0	NoCal	N.D.
15)	TM 2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
16)	TM 4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
17)	TM 3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
18)	TM PETN	0.000	0.000	0	0	N.D.	N.D.

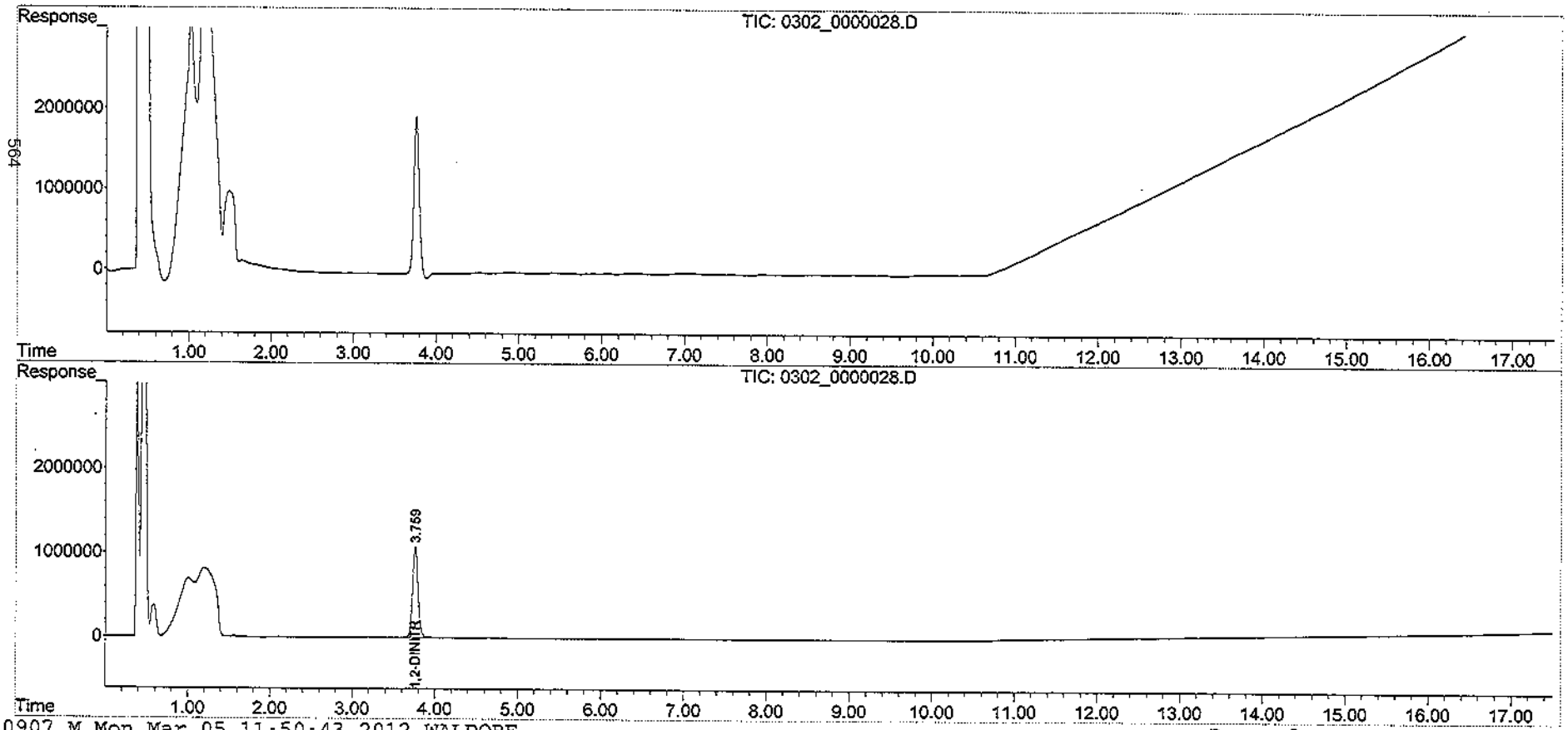
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000028.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 05:04:52
Operator : mp
Sample : AY55856S02 8.000 DF 03/01/12
Misc : soil
ALS Vial : 4165 Sample Multiplier: 8

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:26:15 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000029.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 05:42:18
Operator : mp
Sample : AY55869S02 8.000 DF 03/01/12
Misc : soil
ALS Vial : 4166 Sample Multiplier: 8

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:51:14 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.767	0	1063051	N.D.	607.363 #
	Spiked Amount 600.000			Recovery	=	0.00%	101.23%
	Target Compounds						
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D.
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM	NITROGLYC...	0.000	0.000	0	0	N.D. d	N.D. M HA 3/5/12
9) TM	TETRYL	6.668	0.000	6259	0	NoCal	N.D.
10) TM	2,4,6-TRI...	7.220	0.000	10621	0	NoCal	N.D.
11) TM	2-AMINO-4...	7.578	0.000	14132	0	NoCal	N.D.
12) TM	4-AMINO-2...	7.749	0.000	12358	0	NoCal	N.D.
13) TM	2,4-DINIT...	8.995	0.000	15084	0	NoCal	N.D.
14) TM	2,6-DINIT...	9.389	0.000	16627	0	NoCal	N.D.
15) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
16) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
17) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
18) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

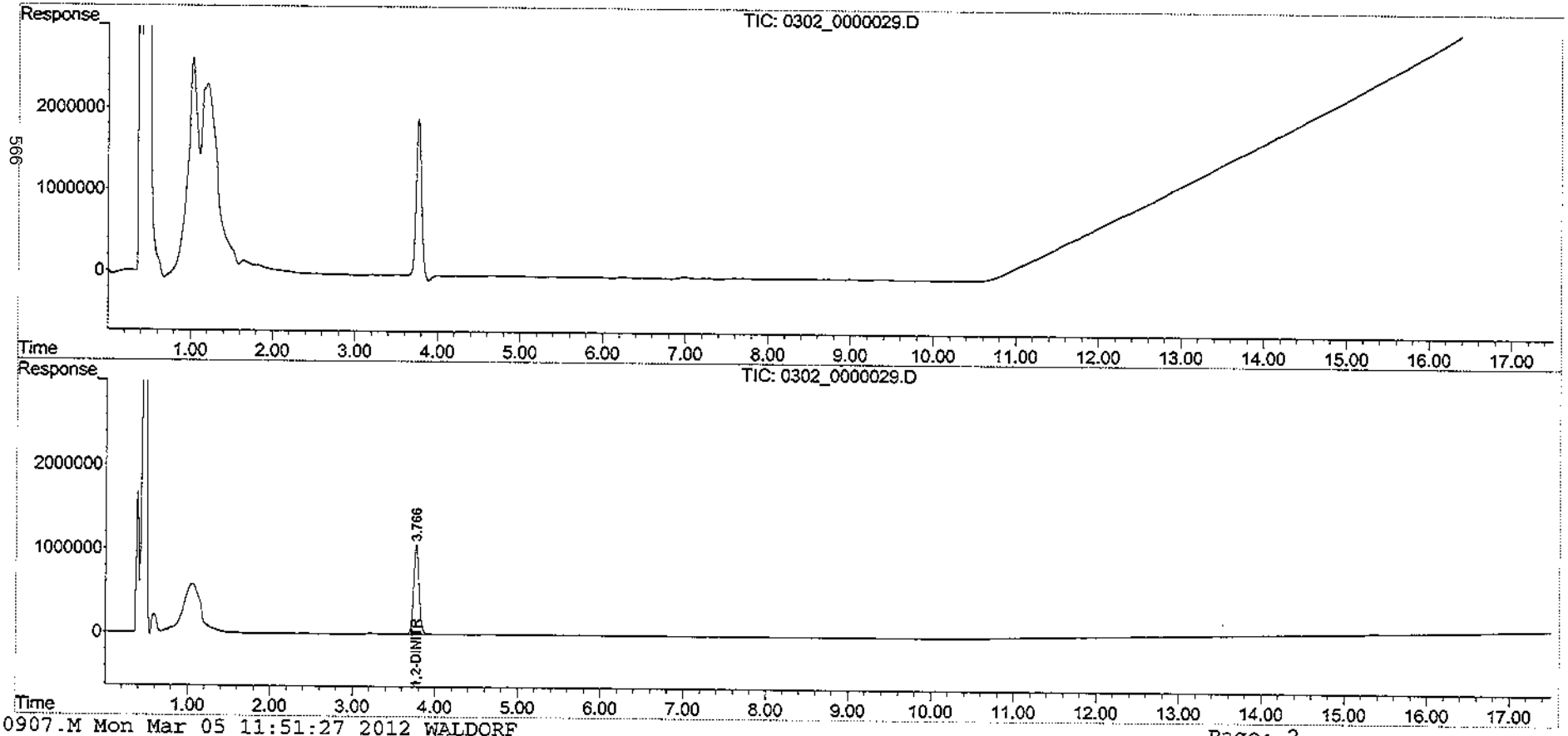
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000029.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 03-Mar-2012, 05:42:18
Operator : mp
Sample : AY55869S02 8.000 DF 03/01/12
Misc : soil
ALS Vial : 4166 Sample Multiplier: 8

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:51:14 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000016.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 21:55:25
Operator : mp
Sample : 120301SBLK1A 7.976 DF 03/01/12
Misc : soil
ALS Vial : 4099 Sample Multiplier: 7.97607

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:53 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.763	0	1096020	N.D.	624.326 #
	Spiked Amount 598.205			Recovery	=	0.00%	104.37%
	Target Compounds						
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D.
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM	NITROGLYC...	6.177	0.000	5123	0	N.D.	N.D.
9) TM	TETRYL	6.765	0.000	7203	0	NoCal	N.D.
10) TM	2,4,6-TRI...	7.146	0.000	6764	0	NoCal	N.D.
11) TM	2-AMINO-4...	7.466	0.000	13650	0	NoCal	N.D.
12) TM	4-AMINO-2...	7.809	0.000	18628	0	NoCal	N.D.
13) TM	2,4-DINIT...	9.044	0.000	12317	0	NoCal	N.D.
14) TM	2,6-DINIT...	9.389	0.000	12219	0	NoCal	N.D.
15) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
16) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
17) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
18) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

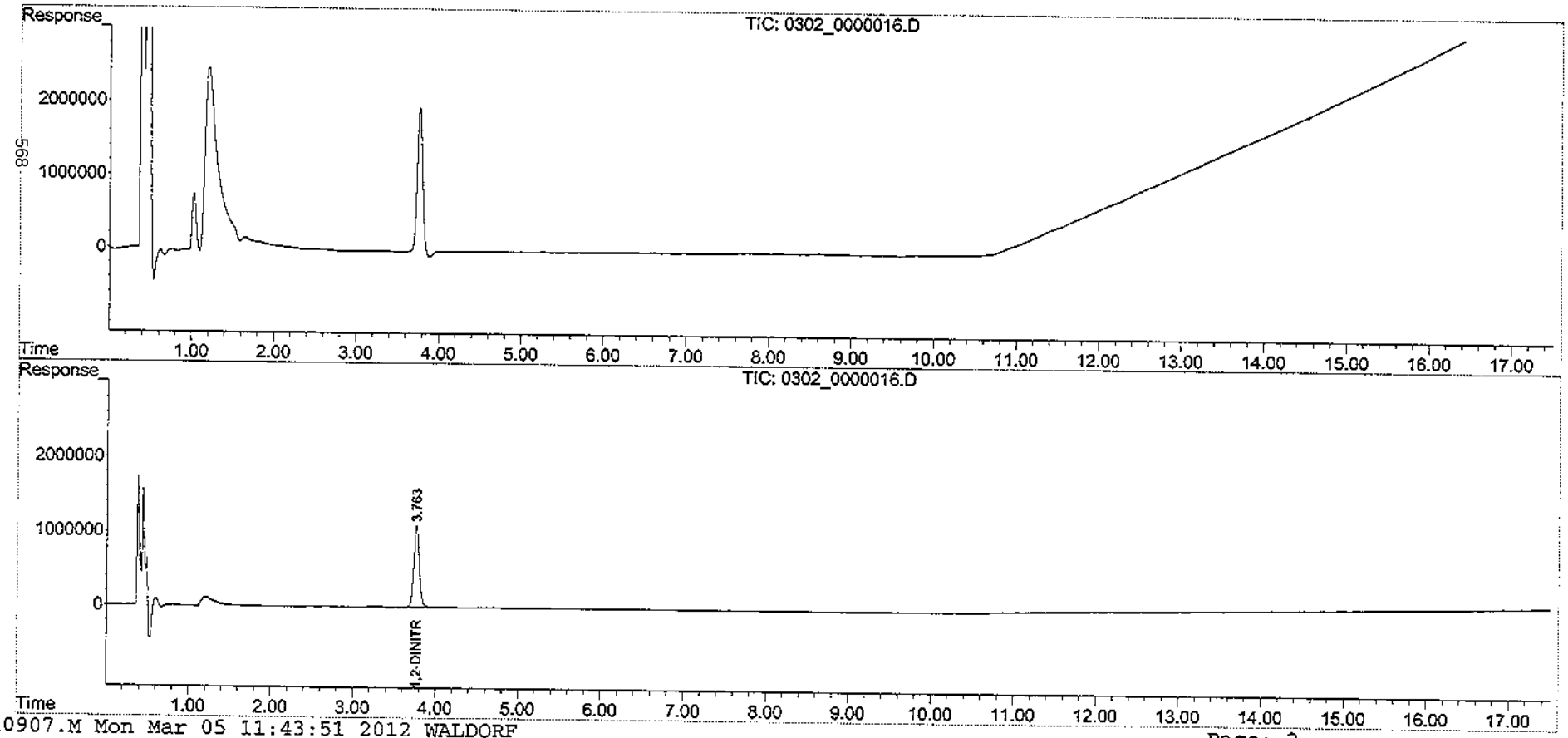
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantification Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000016.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 21:55:25
Operator : mp
Sample : 120301SBLK1A 7.976 DF 03/01/12
Misc : soil
ALS Vial : 4099 Sample Multiplier: 7.97607

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:53 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000013.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 20:12:55
Operator : mp
Sample : 120301SLCS1A 7.890 DF 03/01/12
Misc : soil
ALS Vial : 4096 Sample Multiplier: 7.88955

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:47 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.765	0	3547348	N.D.	1998.757 #
	Spiked Amount 591.716			Recovery	=	0.00%	337.79%
	Target Compounds						
1) TM	HMX	0.000	0.957	0	7950450	N.D.	2144.877 #
2) TM	RDX	0.000	1.809	0	4583595	N.D.	1924.806 #
3) TM	1,3,5-TRI...	0.000	2.936	0	→8042646	N.D.	2013.665 #
5) TM	1,3-DINIT...	0.000	3.908	0	7572678	N.D.	1982.273 #
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	5.288	0	3481369	N.D.	1970.055 #
8) TM	NITROGLYC...	6.184	6.012	8436	19597	N.D.	NoCal
9) TM	TETRYL	6.702	6.702	4962116	3033753	NoCal	2352.344 #
10) TM	2,4,6-TRI...	7.175	7.175	4392713	3473940	NoCal	2103.562 #
11) TM	2-AMINO-4...	7.526	7.526	4895040	3302595	NoCal	2144.958 #
12) TM	4-AMINO-2...	7.814	7.813	4760901	2597449	NoCal	2140.694 #
13) TM	2,4-DINIT...	9.045	9.045	2408397	3316001	NoCal	2083.681 #
14) TM	2,6-DINIT...	9.378	9.378	2574368	1859853	NoCal	2075.008 #
15) TM	2-NITROTO...	0.000	12.747	0	1342059	N.D.	2123.886 #
16) TM	4-NITROTO...	0.000	13.351	0	1323592	N.D.	2139.227 #
17) TM	3-NITROTO...	0.000	14.212	0	1607912	N.D.	2160.501 #
18) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

$$\text{Algo } J = \frac{(8042646)(20)(4)}{(10.14)(40)(788)} = 2013.097$$

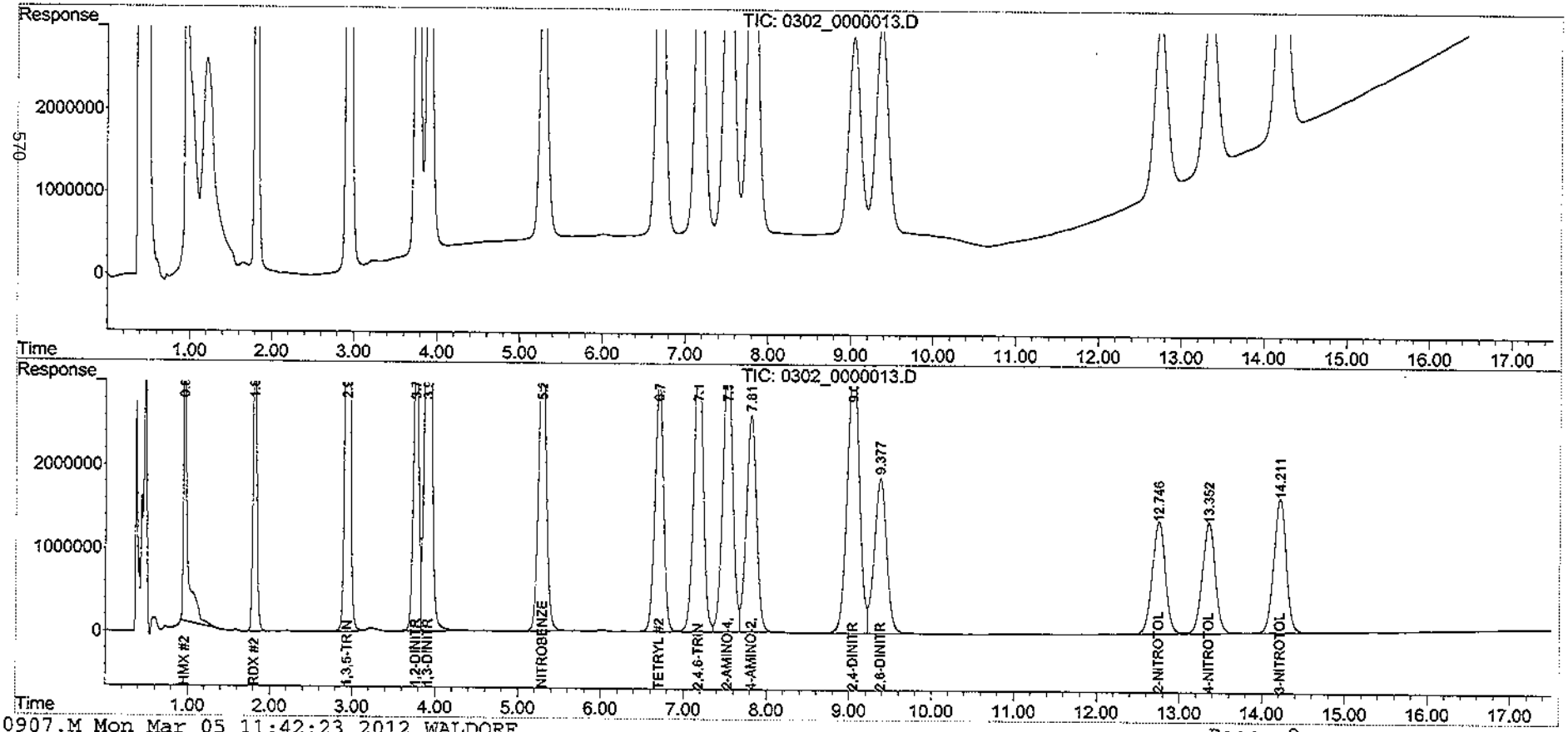
KM 3/6/12

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000013.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 20:12:55
Operator : mp
Sample : 120301SLCS1A 7.890 DF 03/01/12
Misc : soil
ALS Vial : 4096 Sample Multiplier: 7.88955

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:47 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000014.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 20:40:27
Operator : mp
Sample : AY55855S02_MS-1 7.992 DF 03/01/12
Misc : soil
ALS Vial : 4097 Sample Multiplier: 7.99201

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:49 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.761	0	3602129	N.D.	2055.981 #
	Spiked Amount 599.401			Recovery	=	0.00%	343.01%
	Target Compounds						
1) TM	HMX	0.000	0.957	0	7563614	N.D.	2067.017 #
2) TM	RDX	0.000	1.808	0	3769135	N.D.	1603.342 #
3) TM	1,3,5-TRI...	0.000	2.934	0	8165249	N.D.	2070.911 #
5) TM	1,3-DINIT...	0.000	3.904	0	7658059	N.D.	2030.656 #
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	5.284	0	3516982	N.D.	2016.054 #
8) TM	NITROGLYC...	6.285	6.008	10601	20579	N.D.	NoCal
9) TM	TETRYL	6.697	6.697	4983193	3048306	NoCal	2394.325 #
0) TM	2,4,6-TRI...	7.170	7.170	4413345	3504123	NoCal	2149.395 #
1) TM	2-AMINO-4...	7.521	7.521	4889617	3311419	NoCal	2178.620 #
2) TM	4-AMINO-2...	7.809	7.809	4763371	2612165	NoCal	2180.781 #
3) TM	2,4-DINIT...	9.040	9.040	2413748	3351508	NoCal	2133.343 #
4) TM	2,6-DINIT...	9.373	9.373	2577751	1878297	NoCal	2122.800 #
5) TM	2-NITROTO...	0.000	12.744	0	1350731	N.D.	2165.371 #
6) TM	4-NITROTO...	0.000	13.347	0	1333465	N.D.	2183.172 #
7) TM	3-NITROTO...	0.000	14.208	0	1616839	N.D.	2200.711 #
8) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

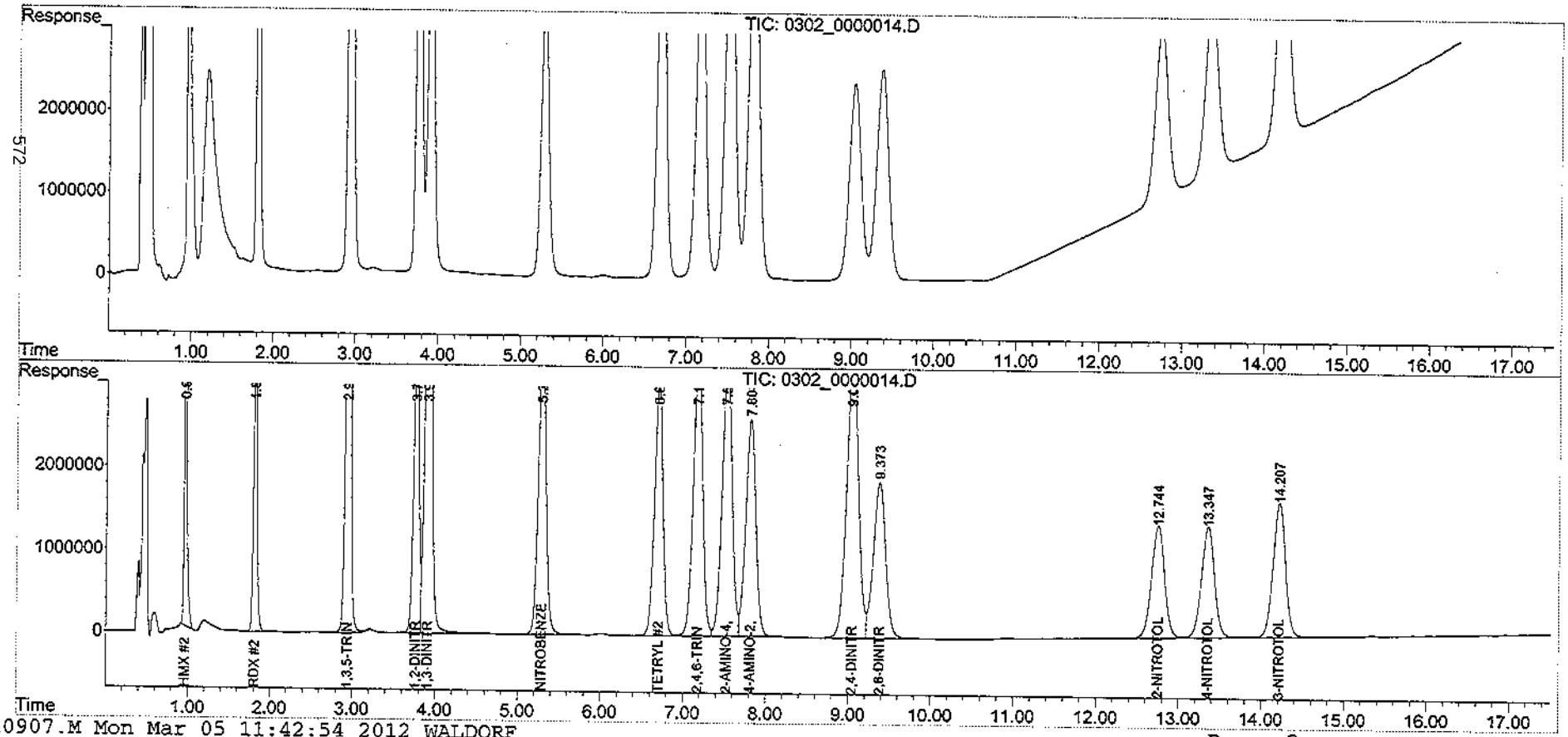
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000014.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 20:40:27
Operator : mp
Sample : AY55855S02_MS-1 7.992 DF 03/01/12
Misc : soil
ALS Vial : 4097 Sample Multiplier: 7.99201

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:49 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000015.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 21:17:53
Operator : mp
Sample : AY55855S02_MSD-1 7.992 DF 03/01/12
Misc : soil
ALS Vial : 4098 Sample Multiplier: 7.99201

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:51 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.763	0	3590020	N.D.	2049.070	#
	Spiked Amount 599.401			Recovery	=	0.00%	341.85%	
	Target Compounds							
1)	TM HMX	0.000	0.957	0	7584748	N.D.	2072.792	#
2)	TM RDX	0.000	1.809	0	3752483	N.D.	1596.258	#
3)	TM 1,3,5-TRI...	0.000	2.935	0	8124407	N.D.	2060.553	#
5)	TM 1,3-DINIT...	0.000	3.906	0	7636405	N.D.	2024.914	#
6)	TM 3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.	
7)	TM NITROBENZENE	0.000	5.286	0	3535736	N.D.	2026.805	#
8)	TM NITROGLYC...	6.261	6.012	9358	19664	N.D.	NoCal	
9)	TM TETRYL	6.700	6.700	4954160	3033827	NoCal	2382.952	#
10)	TM 2,4,6-TRI...	7.172	7.172	4397546	3495625	NoCal	2144.182	#
11)	TM 2-AMINO-4...	7.524	7.524	4876011	3302589	NoCal	2172.810	#
12)	TM 4-AMINO-2...	7.811	7.811	4762135	2609141	NoCal	2178.256	#
13)	TM 2,4-DINIT...	9.040	9.040	2397875	3340780	NoCal	2126.514	#
14)	TM 2,6-DINIT...	9.373	9.373	2568445	1877748	NoCal	2122.180	#
15)	TM 2-NITROTO...	0.000	12.742	0	1360710	N.D.	2181.370	#
16)	TM 4-NITROTO...	0.000	13.346	0	1341053	N.D.	2195.595	#
17)	TM 3-NITROTO...	0.000	14.205	0	1628267	N.D.	2216.265	#
18)	TM PETN	0.000	0.000	0	0	N.D.	N.D.	

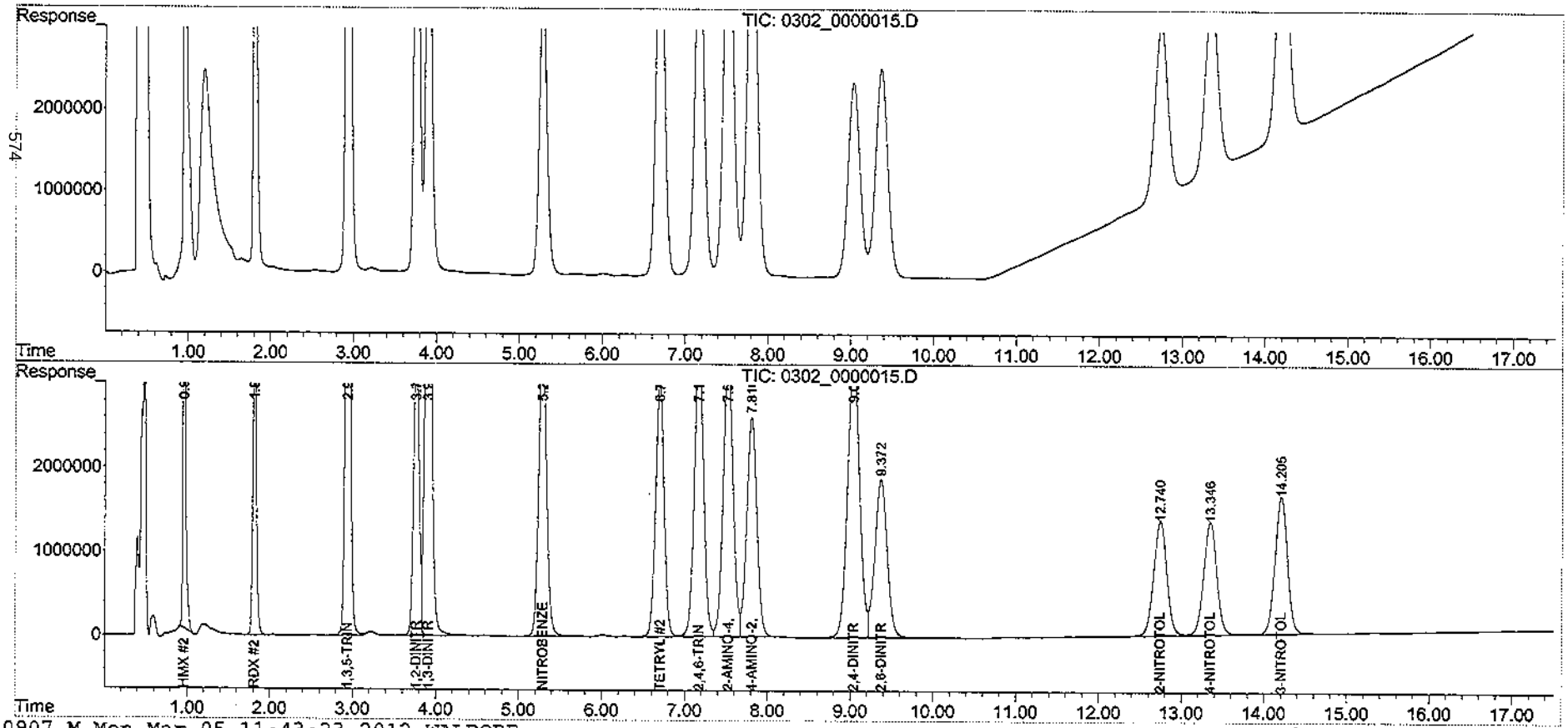
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120302\
Data File : 0302_0000015.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 02-Mar-2012, 21:17:53
Operator : mp
Sample : AY55855S02_MSD-1 7.992 DF 03/01/12
Misc : soil
ALS Vial : 4098 Sample Multiplier: 7.99201

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 05 11:25:51 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120302\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



125 Market Street
New Haven, CT 06513
USA

Explosive by HPLC
Lot#: B6120095-[illegible]
Rec: [illegible]

AccuStandard®, Inc.

CERTIFICATE OF ANALYSIS

CATALOG NO: M-8330B-R-10X

EXPIRATION: Dec 9, 2010

DESCRIPTION: Explosive by HPLC

LOT: B6120095

See reverse for additional certification information.

SOLVENT: MeOH:AcCN (1:1)

This product is guaranteed [illegible] of the Certified Analyte concentration through the Expiration Date on the label.

Component	CAS #	Purity % (HPLC)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Tetryl	479-45-8	99.4	1002	996
2,6-Dinitrotoluene	606-20-2	100	1005	1005
2-Nitrotoluene	88-72-2	99.0	1002	992
3-Nitrotoluene	99-08-1	98.7	1003	990
4-Nitrotoluene	99-99-0	99.2	1010	1002
2-Amino-4,6-dinitrotoluene	35572-78-2	97.8	1037*	1014
4-Amino-2,6-dinitrotoluene	19406-51-0	98.5	1009	

7 Components

1. All weights are traceable through NIST, Test No. [illegible]

2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty calculated for this product is [illegible] which is the Combined Uncertainty [illegible]. It represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The Expanded Uncertainty is U which is U(c) * K where K is the coverage factor at the 95% confidence level (K=2).

3. A product with a suffix (-1A, -2B, etc) on its label has its expiration date extended and is identical to the same lot without the suffix.

Weight compensated to 100% purity

Certified by: R. Cooper

AccuStandard is accredited to ISO/IEC 17025:2005 and certified to ISO 9001:2000

CR-CA[illegible]
Rev [illegible]

125 Market Street
New Haven, CT 06513
USA

AccuStandard, Inc.

Website AccuStandard.com

CERTIFICATE OF ANALYSIS

CATALOG NO: M-8330A-10X

EXPIRATION: Oct 24, 2009

DESCRIPTION: Method 8330 - Mix A

LOT: B2120217-30 See reverse for additional certification information.

SOLVENT: MeOH:AcCN (1:1)

This product is guaranteed accurate to within 5% of the Certified Analyte concentration through the Expiration Date on the label.

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
1,3-Dinitrobenzene	99-65-0	97.0	1031[3]	1000
2,4-Dinitrotoluene	121-14-2	100	1001	1001
HMX	2691-41-0	98.7	1001	988
Nitrobenzene	98-95-3	99.5	1002	1000
RDX	121-82-4	99.0	1000	990
1,3,5-Trinitrobenzene	99-35-4	99.8	1001	999
TNT	118-96-7	99.9	1000	

7 Compounds

1. All weights are traceable through NIST, Traceable 822731103-01

2. Certified Analyte Concentration = Purity x Prep and Dilutions. The Uncertainty calculated for this product is 2.4% which is the Combined Uncertainty (uc). It represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty components. The Expanded Uncertainty (U which is U=k) = K value X the coverage factor at the 95% confidence level (K=2).

3. A percent with a suffix (+/-, -SB, etc) can be found on this explanation data sheet and is identical to the same item without the suffix.

Weight compensated to 100% purity

Certified by: R. Cooper

AccuStandard is accredited to ISO/IEC 17025:2005 and certified to ISO 9001:2000

QR-ORGANIC-001
Rev. 029

125 Market Street
New Haven, CT 06513 USA

PETN
Lot # B7100168 - 26436
Rec: 7/26/08 Mfr exp. 10/19/09

Tel
We

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

CATALOG NO. M-8330-ADD-2-10X

DESCRIPTION: Individual Explosives Solution **EXPIRATION:** Oct 19, 2009

LOT: B7100168

SOLVENT: MeOH

[illegible]

See reverse for additional certification information.

Component	CAS #	Purity % (HPLC)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
PETN	78-11-5	99.3	1003	995

Please note: AccuStandard follows the U.S. conventions in reporting numerical values, on both certificates and labels.

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No. [illegible]
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty calculated for this product is [illegible] which is the Combined Uncertainty u(y). It represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The Expanded Uncertainty is U which is U=k u(y) where k is the coverage factor at the 95% confidence level (k=2).
3. A product with a suffix (-1A, -2B, etc.) [illegible] and is identical to the same lot without the suffix.

Certified by: R. Cooper

AccuStandard is accredited to ISO/IEC 17025:2005

CR-CHQ-[illegible]
Rev [illegible]

125 Market Street
New Haven, CT 06513 USA

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

CATALOG NO. M-8330-ADD-1-10X

DESCRIPTION: Individual Explosives Solution

EXPIRATION: Oct 18, 2009

LOT: B8040068-1A

SOLVENT: EtOH : MeOH (97:3)

See reverse for additional certification information.

Component	CAS #	Purity % (HPLC)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Nitroglycerin	55-63-0	100	1000	1000

Please note: AccuStandard follows the U.S. conventions in reporting numerical values, on both certificates and labels.

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

Certified by: R. Cooper

AccuStandard is accredited to ISO/IEC 17025:2005

1,2-Dinitrobenzene
Lot #: 142799 - 29749
Rec: 2/4/09 MFR exp. 02/03/12

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Date Received: ____________

Certificate of Analysis

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
010036-01	142799	<10 Degrees C	Acetonitrile	3-Feb-2012	1,2-Dinitrobenzene Solution, 1,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration, mg/L
1,2-dinitrobenzene	528-29-0	99	861.2P	1002 +/- 14.021

Certified By: *Lindsay E Edwards*
Lindsay Edwards

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

800-368-1131
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CERTIFIED WEIGHT REPORT

Part Number: 95093
Lot Number: 051208
Description: 8330 Mix A
9 components
Expiration Date: 051211

Nominal Concentration (µg/mL): 100

Lot #: E37618

Solvent(s): Acetonitrile

Formulated By:	Justin Dippold	051208 DATE
Reviewed By:	Pedro L. Rentas	051208 DATE

Volume(s) shown below were combined and diluted to: 10.0

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

MSDS Information (Solvent Safety Info. On Attached pg.)

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-)	CAS#	OSHA PEL (TWA)	LD50
1. 4-Amino-2,6-dinitrotoluene	79070	062707	0.10	1.00	0.002	1001.6	100.2	0.00444	00000-00-0	N/A	N/A
2. 3,5-Dinitroaniline	71772	101807	0.10	1.00	0.002	1003.8	100.4	0.00581	00618-87-1	N/A	N/A
3. 1,3-Dinitrobenzene	79071	071706	0.10	1.00	0.002	1001.1	100.1	0.00451	00099-65-0	1mg/m3TWA(skin)	orl-rat 83mg/kg
4. 2,4-Dinitrotoluene	79072	110206	0.10	1.00	0.002	1002.8	100.3	0.00451	00121-14-2	1.5mg/m3TWA(skin)	orl-rat 268mg/kg
5. HMX	79074	041808	0.10	1.00	0.002	1000.7	100.1	0.00451	02691-41-0	N/A	N/A
6. Nitrobenzene	79075	100906	0.10	1.00	0.002	1003.4	100.4	0.00416	00098-95-3	1 ppm (5mg/m3)TWA(skin)	orl-rat 780mg/kg
7. 3-Nitrotoluene	79077	100906	0.10	1.00	0.002	1002.6	100.3	0.00417	00099-08-1	2ppm (11mg/m3)TWA(skin)	orl-rat 1072mg/kg
8. RDX	79079	060904	0.10	1.00	0.002	1000.7	100.1	0.00581	00121-82-4	N/A	N/A
9. Trinitroglycerin	79252	072804	0.10	1.00	0.002	1000.3	100.1	0.00581	00055-63-0	STEL 0.1mg/m3(skin)	N/A
10.											
11.											
12.											
13.											
14.											
15.											
16.											
17.											
18.											
19.											
20.											

Absolute Standards, Inc.
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CERTIFIED WEIGHT REPORT

Part Number: 95094
Lot Number: 051208
Description: 8330 Mix B
8 components
Expiration Date: 051211

Lot # E37818
Solvent(s): Acetonitrile

Nominal Concentration (µg/mL): 100

Volume(s) shown below were combined and diluted to: 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By: Justin Dippold 051208
DATE

Reviewed By: Pedro L. Rentas 051208
DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	MSDS Information (Solvent: Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Amino-4,6-dinitrotoluene	79069	062707	0.10	1.00	0.002	1002.3	100.3	0.00417	35572-78-2	N/A	N/A
2. 1,2-Dinitrobenzene	79404	051208	0.10	1.00	0.002	1004.7	100.5	0.00565	00528-29-0	1mg/m3SH (skin)	N/A
3. 2,6-Dinitrotoluene	79073	100906	0.10	1.00	0.002	1002.2	100.3	0.00416	00606-20-2	1.5mg/m3SH (skin)	orl-rat 177mg/kg
4. 2-Nitrotoluene	79076	100906	0.10	1.00	0.002	1003.1	100.3	0.00416	00088-72-2	2ppm (11mg/m3)SH (skin)	orl-rat 891mg/kg
5. 4-Nitrotoluene	79078	100906	0.10	1.00	0.002	1001.1	100.1	0.00417	00099-99-0	2ppm (11mg/m3)SH (skin)	orl-rat 1960mg/kg
6. Tetryl	79080	120903	0.10	1.00	0.002	1000.7	100.1	0.00561	00479-45-8	N/A	N/A
7. 1,3,5-Trinitrobenzene	79081	010406	0.10	1.00	0.002	1001.5	100.2	0.00417	00099-35-4	N/A	N/A
8. 2,4,6-Trinitrotoluene	79082	011008	0.10	1.00	0.002	1002.0	100.2	0.01015	00118-96-7	0.5mg/m3 (skin)	orl-rat 82mg/kg

581

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Date Received: _____

Certificate of Analysis

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
010614-04	140802	</= 6 Degrees C	Acetonitrile	31-Oct-2009	PETN Solution, 1000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration, mg/L
PETN	78-11-5	99.9	61A39P	1000 +/- 14

Certified By: _____
Dick Potter

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

02si
smart solutions

2030 Savage Road
Charleston, South Carolina 29407
Phone (866) 372-0932
Fax (843) 766-9162
www.o2si.com

Quality System
Audited & Registered
by NSF-ISR to ISO 9001:2000

Date Received: _____

Certificate of Analysis

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
010612-04	140434	</=-10 Degrees C	Acetonitrile	3-Nov-2011	3,5-Dinitroaniline (3,5-DNA) Solution, 1000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration, mg/L
3,5-dinitroaniline	618-87-1	97	612.1.1	1000 +/- 14

Certified By: _____
Mike Wrigley

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

LC/MS STANDARD PREP LOG# 98 PAGE# 18

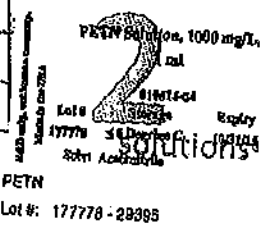
018 STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CNC	SOL'N REF. LOT #	DATE/ INITIALS

NOTE: THE FOLLOWING DOCUMENTATION WAS PERFORMED AS DATED JH 10-24-11 — 10-24-11

PCB-1301*-/W 2.5 mg/mL 10-14-11 JH
PCB-1301*-/W 50 mg/mL 10-13-11 — 10-14-11
TOOK 0.005 ML AND ADDED TO
0.095 ML 1668-ICL 100 mg/mL 10-13-11

PCB-1301*-/W 50 mg/mL 10-16-11 JH
PCB-1301*-/W 500 mg/mL 10-13-11 — 10-16-11
TOOK 0.010 ML AND ADDED TO
0.090 ML 1668-ICL 100 mg/mL 10-13-11

PCB-1301*-/W 100 mg/mL 10-16-11
PCB-1301*-/W 500 mg/mL 10-13-11
TOOK 0.020 ML AND ADDED TO
0.080 ML 1668-ICL 100 mg/mL 10-13-11



& broke open the vial labelled to the left and transferred to an amber 1.8 mL injection vial
→ PETN 1000 mg/L 10/24/11

PETN 100 ug/mL

PETN	1000 ug/mL	10/24/11	1 mL	10 mL	100 ug/mL	1:1	BEN MB 10/27/96 SH HM 10/27/11 exp 4/12

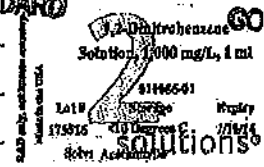
PY 10/24/11

LCMS STANDARD PREP LOG# 98 PAGE# 19

019

DATE/ INITIALS	STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOL'N. LOT#	DATE, INITIALS

10-24-11



I broke open the vial labelled to the left and transfered to an amber 1.8mL injection vial

~~PSTN~~ 1,2-DNB 1000 ug/mL 10/24/11
HM 10/24/11

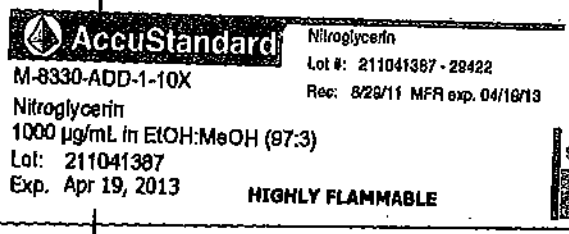
1,2-DNB 100 ug/mL

1,2-DNB 1000 ug/mL 10/24/11 1mL 10mL 100 ug/mL 1:1 ACN MeOH DB296 S1075
HM 10/24/11
ELO 11/24/12

10-16-11

HMCES_AQ 1.0 ug/L

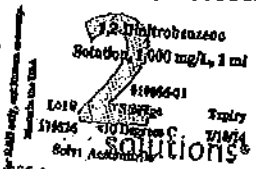
HMCES AQ 10-12-11 2.0 200 1.0 Milligrachek 10-25-11 10-25-11



I broke open the vial labelled above and transfered to an amber 1.8mL injection vial.

→ ~~M-8330~~ Nitroglycerin 1000 ug/mL 10/26/11
HM 10/26/11

to amber



I broke open the vial labelled to the left and transferred to an amber 1.8mL injection vial

→ 1,2-DNB 1000 ug/mL 10/26/11

load 1:1 ACN MeOH DB296 S1071
HM 10/26/11
exp. 4/26/12

Nitroglycerin 100 PPM

Nitroglycerin 1000 ug/mL 10/26/11 1mL 10mL 100 ug/mL 1:1 ACN MeOH DB296 S1076
HM 10/26/11
ELO 4/26/12

LC/MS STANDARD PREP LOG# 44 PAGE# 82

082

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOL'N. LOT #	DATE/ INITIALS
AY49289-W01-MS-1 7368.4 DF 11-01-11-11/30							JH
AY49289-W01-MS-1 1052.6 DF 11-01-11							11-30-11
TOOK 0.050 ML AND ADDED TO 0.300 ML PER-IS-ACN 0.005 µg/mL 11-26-11							
AY49289-W01-MSD-1 7368.4 DF 11-01-11-11/30							
AY49289-W01-MSD-1 1052.6 DF 11-01-11 TOOK 0.050 ML AND ADDED TO 0.300 ML PER-IS-ACN 0.005 µg/mL 11-26-11							

Part #: 95093 Laboratory Use Only - See MSDS
Lot #: 111009 Exp: 111012 Storage 0 °C
8330 Mix A
9 components
100 ug/mL in aceto
ABSOLUTE STANDAR
8330 Mix A
Lot #: 111009 - 27376
Rec: 9/30/10 MFR exp. 11/10/12

The ampoule above was cracked open 12-1-11 and transferred to an amber injection vial labelled:

8330 MIX-A SS
100 PPM
opened 12-1-11
Exp 12-1-12
Absolute

Part #: 95094 Laboratory Use Only - See MSDS
Lot #: 092410 Exp: 092413 Storage 0 °C
8330 Mix B
9 components
100 ug/mL in aceton
ABSOLUTE STANDARD
8330 Mix B
Lot #: 092410 - 27369
Rec: 9/30/10 MFR exp. 09/24/13

The ampoule to the left was cracked open 12-1-11 and transferred to an amber injection vial labelled:

8330-MIX-B-SS
100 PPM
Opened 12-1-11

LC/MS STANDARD PREP LOG# 78 PAGE# 83

083

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CNC	STD ID LOT #	DATE INITIALS

Exp 12-1-12

Absolute

Part #: 79250 Laboratory Use Only - See MSDS
Lot #: 071409 Exp: 071414 Storage 0 °C
EPA Method 8330 Analyte PETN
Pentaerythritol tetrani Lot #: 071409 - 28213
1000 ug/mL in aceton Rec: 2/11/11 MFR exp. 07/14/14
ABSOLUTE STANDARDS

The ampoule above was cracked open 12-1-11 at transfered to an amber injection vial labelled:

PETN - 85 - STC

1000 PPM

opened 12-1-11

Exp 12-1-12

Absolute

AccuStandard® 125 Market St. - New Haven, CT 06513 - USA FOR LABORATORY USE ONLY
M-8330-ADD-4-10X 3,5-Dinitroaniline
3,5-Dinitroaniline Lot #: 210111284 - 30018
1000 µg/mL in AcCN:MeO Rec: 11/16/11 MFR exp. 11/19/13
Lot: 210111284 STORAGE Ambient
Exp. Nov 19, 2013 POISON

I broke open the vial labelled above and transfered to an amber 2.0mL injection vial

→ 3,5-DNA 1000 ug/mL 12-1-11

3,5-DNA 100 PPM

3,5-DNA 1000 ug/mL 12-1-11 1mL 10mL 1:1 ACN MeOH RM 12-1-11

LC/MS STANDARD PREP LOG# 98 PAGE# 103

The following CBs were made on 12/15/11 and documented here on 02/03/12 HM:

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOLVENT LOT #	DATE / INITIALS
8330_MX-B	10.0 ppm	11/30/11	0.10 ml	1.0 mL	1.0 ppm	1:1 ACN/DE296 : MeOH/51133	12/04/11 HM
8330_MX-B	1.0 ppm	12/16/11	0.10 ml	1.0 mL	0.10 ppm	1:1 ACN/DE296 : MeOH/51133	12/04/11 HM
6330MXB_CB 2.0 ppm 8330_MX-B	10.0 ppm	11/30/11	0.200 ml	1.0 mL	2.0 ppm	1 : 1 : 8 ACN : MeOH : MILLIPORE DE296 : 51133 : H2O	12/15/11 HM
6330MXB_CB 1.0 ppm 8330_MX-B	10.0 ppm	11/30/11	0.100 ml	1.0 mL	1.0 ppm		12/15/11 HM
8330MXB_CB 0.5 ppm 8330_MX-B	10.0 ppm	11/30/11	0.050 ml	1.0 mL	0.5 ppm		12/15/11 HM
8330MXB_CB 0.2 ppm 8330_MX-B	1.0 ppm	12/15/11	0.200 ml	1.0 mL	0.2 ppm		12/15/11 HM
8330MXB_CB 0.1 ppm 8330_MX-B	1.0 ppm	12/15/11	0.100 ml	1.0 mL	0.1 ppm		12/15/11 HM
8330MXB_CB 0.05 ppm 8330_MX-B	1.0 ppm	12/15/11	0.050 ml	1.0 mL	0.05 ppm		12/15/11 HM
8330MXB_CB 0.02 ppm 8330_MX-B	0.10 ppm	12/15/11	0.200 ml	1.0 mL	0.02 ppm		12/15/11 HM
8330MXB_CB 0.01 ppm 8330_MX-B	0.10 ppm	12/15/11	0.100 ml	1.0 mL	0.01 ppm		12/15/11 HM
8330MXB_CB 0.005 ppm 8330_MX-B	0.10 ppm	12/15/11	0.050 ml	1.0 mL	0.005 ppm		12/15/11 HM

HM tat 02/03/12

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOL'N. LOT #	DATE / INITIALS
8330_MX-A	10.0 ppm	11/30/11	0.10 ml	1.0 mL	1.0 ppm	1:1 ACN/DE298 : MeOH/51133	12/15/11 HM
8330_MX-A	1.0 ppm	12/15/11	0.10 ml	1.0 mL	0.10 ppm	1:1 ACN/DE298 : MeOH/51133	12/15/11 HM
8330MXB_CB 2.0 ppm 8330_MX-A	10.0 ppm	11/30/11	0.200 ml	1.0 mL	2.0 ppm	1 : 1 : 6 ACN : MeOH : MILLIPORE DE298 : 51133 : H2O	12/15/11 HM
8330_MX-A	10.0 ppm	11/30/11	0.100 ml	1.0 mL	1.0 ppm		12/15/11 HM
8330MXA_CB 0.5 ppm 8330_MX-A	10.0 ppm	11/30/11	0.050 ml	1.0 mL	0.5 ppm		12/15/11 HM
8330MXA_CB 0.2 ppm 8330_MX-A	1.0 ppm	12/15/11	0.200 ml	1.0 mL	0.2 ppm		12/15/11 HM
8330MXA_CB 0.1 ppm 8330_MX-A	1.0 ppm	12/15/11	0.100 ml	1.0 mL	0.1 ppm		12/15/11 HM
8330MXA_CB 0.05 ppm 8330_MX-A	1.0 ppm	12/15/11	0.050 ml	1.0 mL	0.05 ppm		12/15/11 HM
8330MXA_CB 0.02 ppm 8330_MX-A	0.10 ppm	12/15/11	0.200 ml	1.0 mL	0.02 ppm		12/15/11 HM
8330MXA_CB 0.01 ppm 8330_MX-A	0.10 ppm	12/15/11	0.100 ml	1.0 mL	0.01 ppm		12/15/11 HM
8330MXA_CB 0.005 ppm 8330_MX-A	0.10 ppm	12/15/11	0.050 ml	1.0 mL	0.005 ppm		12/15/11 HM
8330MXA_SS 1.0 PPM 8330MXA_SS	100 ppm	12/01/11	0.010 ml	1.0 mL	1.0 ppm	1 : 1 : 6 ACN : MeOH : MILLIPORE DE298 : 51133 : H2O	12/15/11 HM
8330MXB_SS 1.0 PPM 8330MXB_SS PETN_SS_INTSTK	100 ppm 100 ppm	12/20/11 12/01/11	0.010 ml 0.010 ml	1.0 mL	1.0 ppm	1 : 1 : 6 ACN : MeOH : MILLIPORE DE298 : 51133 : H2O	12/15/11 HM

	832_Meth_Surr 0.5ug/mL						HM
Diphenamid	1000	10-7-11	0.10	200	0.5ug/mL	Methanol/51223	01-03-12
Methamidophos	1078	11-22-11	0.10	1.0	107.8ug/mL	Methanol 51223	01-03-12
	Methamidophos Spk 0.5ug/mL						HM
Methamidophos	107.8	01-03-12	0.116ml	25.0	0.50	Methanol/51223	01-03-12

106

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	CONC. LOT #	DATE / INITIALS

8330B_SS

8330_07/13_MixA_SS_STK	100 ppm	12/1/2011	10.0 µL	1.0 mL	1.0 ppm	HM 01/06/12
8330_07/13_MixB_SS_STK	100 ppm	12/20/2011	10.0 µL	1.0 mL	1.0 ppm	1:1:6
PETN_07/13_SS_INTSTK	100 ppm	12/1/2011	10.0 µL	1.0 mL	1.0 ppm	ACN : MeOH : MILLIPORE DE002 : 51076 : H2O

The following CCVs were made on 01/05/12 and documented here on 01/06/12 HM:

8330_MXA-CCV 1.0 PPM

8330-MIX-A	10.0 ug/mL	11/30/11	100uL	1.0mL	1.0ug/mL	6:1:1 H2O:ACN:MeOH 082146 51076	HM 1/6/12

8330_MXB-CCV 1.0 PPM

8330 MIX-B	100ug/mL	11/30/11	100uL	1.0mL	1.0ug/mL	6:1:1 H2O:ACN:MeOH 082146 51076	HM 1/6/12

8330_CCV 1.0PPM

8330_MIX-A	10 ug/mL	11/30/11	100 µL	1.0 mL	1.0 ug/mL	6:1:1	HM
8330-MIX-B	↓	↓	↓	↓	↓	H2O:ACN:MeOH 082146 51076	1/6/12

Standard Prep Documentation

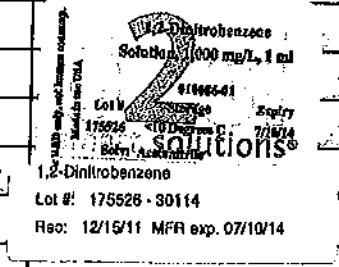
performed 01-05-12, Documented 01-06-12

Perchlorate QA/QC stock 10ug/mL						
Perchlorate 1000	11-19-11	0.10	10.0	10ug/mL	Millipore water	01-05-12
Perchlorate spike 0.10ug/mL						
Perchlorate QA/QC Stock 10	01-05-12	0.25	25.0	0.10ug/mL	Millipore water	01-05-12

LC/MS STANDARD PREP LOG# 98 PAGE# 108

108

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	LOT #	DATE / INITIALS



I broke open the vial labelled to the left and injected transfered to an amber 1.8mL injection vial → 1,2-DNB - 1000 ug/mL 01/09/12 HM 1/9/12

1,2-DNB - 100 PPM Exp 07/09/12

1,2-DNB 1000 ug/mL 01/09/12 100uL 10mL 100 ug/mL 1:1 ACN MeOH DE296 51076

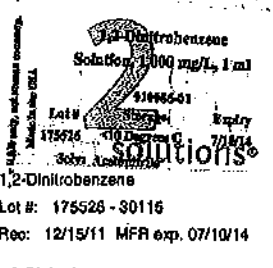
HM 1/9/12

8330-CCV 1.0 PPM

8330-MIX-A 10 ug/mL 1/13/11 100uL 1.0mL 10 ug/mL (6:1:1) H2O ACN MeOH DE296 51076

8330-MIX-B

HM 1/9/12



I broke open the vial labelled to the left and transfered to an amber 1.8mL injection vial → 1,2-DNB 1000 ug/mL 1/10/12

AccuStandard®
M-8330-R
Method 8330 - Explosives by HI
1000 µg/mL in MeOH:AcCN (1:1)
Lot: 209101177-01
Exp: Apr 29,2013
14 comps.
HIGHLY FLAMMABLE

125 Market St. • New Haven, CT 06513 USA

LABORATORY USE ONLY
Method 8330 - Explosives
Lot #: 209101177-01 - 20865
Rec: 10/25/11 MFR exp. 04/29/13
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
STORAGE Freeze (<-10° C)

I broke open the vial labelled above and transfered to an amber 1.8mL injection vial → M-8330-IL 1000 ug/mL 1/10/12

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOLVENT LOT #	DATE INITIALS
M-8330-R	100 PPM	EXP 7/10/12					
M-8330-R	1000 ug/mL	1/10/12	1mL	10mL	100ug/mL	1:1 ACN MeOH DE344 S1056	HM 1/10/12
12-BN13							
8330MIX-A CCV 1.0 PPM							
8330-MIX-A	10.0ug/mL	11/30/11	100uL	10mL	1.0ug/mL	6:1:1 H2O ACN MeOH DE344 S1050	HM 1/10/12

NOTE: THE FOLLOWING DOCUMENTATION WAS PERFORMED AS DATED: JH 01-11-12 — JH 01-11-12

8290 IC 40mg/mL 01-08-12 — JH 01-08-12

EDF-4055 500ng/mL 11-11-11 A TOOK 0.008 ML

EDF-5005 100-500 ng/mL 09-02-11 B TOOK 0.040 ML

SIGMA-ALDRICH NONANE LOT SHBB2935V TOOK 0.052 ML

COMBINED THE ABOVE CONSTITUENTS IN A MICRO-INSERT WITHIN AN AMBER INJECTION VIAL

8290-QC CHK 1 DF 01-08-12

EDF-4055 500ng/mL 11-11-11 A TOOK 0.008 ML

EDF-5005 100-500 ng/mL 09-02-11 D TOOK 0.040 ML

EDF-5008 100-500 ng/mL 10-12-11 F TOOK 0.010 ML

SIGMA-ALDRICH NONANE SHBB2935V TOOK 0.042 ML

COMBINED ABOVE CONSTITUENTS

LC/MS STANDARD PREP LOG# 98 PAGE# 105

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOLVENT LOT #	DATE / INITIALS
8330-W-SURROGATE 5.0PPM EXP 03/04/12							
1,2-DNB	1002 ug/mL	12/06/11	50uL	10mL	5 ug/mL	1:1 ACN MeOH DE146 51076	HM 01/04/12
8330-MXA-CCV 1.0 PPM							
8330_MIX-A	10.0 ug/mL	11/30/11	100uL	1.0 ug/mL		6:1:1 H2O ACN MeOH DE146 51076	HM 01/04/12
8330-MXB-CCV 1.0PPM							
8330-MIX-B	10.0 ug/mL	11/30/11	100uL	1.0 ug/mL		6:1:1 H2O ACN MeOH DE146 51076	HM 01/04/12

The following CBs were made on 01/05/12 and documented here on 01/06/12. HM

8330_MX_A

8330_MX-A	10.0 ppm	11/30/2011	200 µL	1.0 mL	2.0 ppm

HM 01/06/12
1 : 1 : 6
ACN : MeOH : MILLIPORE
DE002 : 51076 : H2O

8330_MX_B

8330_MX-B	10.0 ppm	11/30/2011	200 µL	1.0 mL	2.0 ppm

1 : 1 : 6
ACN : MeOH : MILLIPORE
DE002 : 51076 : H2O

8330B_CB

8330_MX-A	10.0 ppm	11/30/2011	100 µL	1.0 mL	1.0 ppm
8330_MX-B	10.0 ppm	11/30/2011	100 µL	1.0 mL	1.0 ppm
8330_MX-A	10.0 ppm	11/30/2011	50 µL	1.0 mL	0.5 ppm
8330_MX-B	10.0 ppm	11/30/2011	50 µL	1.0 mL	0.5 ppm
8330_MX-A	2.0 ppm	1/5/2012	100 µL	1.0 mL	0.2 ppm
8330_MX-B	2.0 ppm	1/6/2012	100 µL	1.0 mL	0.2 ppm
8330B_CB	1.0 ppm	1/5/2012	100 µL	1.0 mL	0.1 ppm
8330B_CB	0.5 ppm	1/5/2012	100 µL	1.0 mL	0.05 ppm
8330B_CB	0.2 ppm	1/5/2012	100 µL	1.0 mL	0.02 ppm
8330B_CB	0.1 ppm	1/5/2012	100 µL	1.0 mL	0.01 ppm
8330B_CB	0.05 ppm	1/5/2012	100 µL	1.0 mL	0.005 ppm

1 : 1
ACN : MeOH
1 : 1 : 6
ACN : MeOH : MILLIPORE
DE002 : 51076 : H2O

HM 1/6/12

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOL'N. LOT #	DATE / INITIALS
8330B_SS							HM 5/16/12
8330_07/13_MixA_SS_STK	100 ppm	12/1/2011	10.0 µL	1.0 mL	1.0 ppm	1:1:6	
8330_07/13_MixB_SS_STK	100 ppm	12/20/2011	10.0 µL	1.0 mL	1.0 ppm	ACN : MeOH : MILLIPORE	
PETN_07/13_SS_INTSTK	100 ppm	12/1/2011	10.0 µL	1.0 mL	1.0 ppm	DE002 : 51076 : H2O	

The following CCVs were made on 01/05/12 and documented here on 01/06/12 HM:

8330_MixA-CCV 1.0 PPM

8330_MIX-A	10.0 ug/mL	11/30/11	100 µL	1.0 mL	1.0 ug/mL	6:1:1 H2O ACN/MeOH DE016 51076	HM 1/6/12

8330_MixB-CCV 1.0 PPM

8330_MIX-B	10.0 ug/mL	11/30/11	100 µL	1.0 mL	1.0 ug/mL	6:1:1 H2O ACN/MeOH DE016 51076	HM 1/6/12

8330_CCV 1.0 PPM

8330_MIX-A	10.0 ug/mL	11/30/11	100 µL	1.0 mL	1.0 ug/mL	6:1:1 H2O ACN/MeOH DE016 51076	HM 1/6/12
8330_MIX-B	↓	↓	↓	↓	↓		

Standard Prep Documentation

performed 01-05-12, Documented 01-06-12

Perchlorate QA/QC stock 10 ug/mL							MP
Perchlorate 1000	11-19-11	0.10	10.0	10 ug/mL	Milli-pore water	01-05-12	
Perchlorate spike 0.10 ug/mL							MP 1-6-12
Perchlorate QA/QC stock 10	01-05-12	0.10	25.0	0.10 ug/mL	Milli-pore water	01-05-12	MP

_MSE018

Organic Extraction Worksheet

Method	Explosives Soil Extraction 8330B	Extraction Set	120301A	Extraction Method	MSE018	Units	mL

Spiked ID 1	8330 100ppm STK 02-23-12 exp 08-23-12		Surrogate ID 1	1,2-DNB STK 100 PPM 02-21-12 exp 08-21-12	
Spiked ID 2			Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	YES	
Spiked ID 7			Ext. Start Time:	03/01/12 16:25	
Spiked ID 8			Ext. End Time:	03/02/12 10:25	
			GC Requires Extract By:		

pH1			Water Bath Temp Criteria	
pH2				
pH3				

Spiked By: KY **Date** 03/01/12 **Witnessed By:** CFM **Date** 03/01/12

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	120301A Blk				0.060	1 equip	10.03g	20mL	NA	03/01/12 16:25	
2	120301A LCS-1		0.2	1	NA	NA equip	10.14g	20mL	NA	03/01/12 16:25	
3	AY55846	AY55846S02			0.060	1 equip	10.00g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
4	AY55847	AY55847S02			0.060	1 equip	10.03g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
5	AY55848	AY55848S02			0.060	1 equip	10.03g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
6	AY55849	AY55849S02			0.060	1 equip	10.06g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
7	AY55850	AY55850S02			0.060	1 equip	10.10g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
8	AY55851	AY55851S02			0.060	1 equip	10.12g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
9	AY55852	AY55852S02			0.060	1 equip	10.02g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
10	AY55853	AY55853S02			0.060	1 equip	10.00g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
11	AY55854	AY55854S02			0.060	1 equip	10.05g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
12	AY55855 MS-1	AY55855S02	0.2	1	NA	NA equip	10.01g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
13	AY55855 MSD-1	AY55855S02	0.2	1	NA	NA equip	10.01g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
14	AY55855	AY55855S02			0.060	1 equip	10.03g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
15	AY55856	AY55856S02			0.060	1 equip	10.00g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar
16	AY55869	AY55869S02			0.060	1 equip	10.00g	20mL	NA	03/01/12 16:25	67072 Rush 5 Day -- 4oz Jar

Solvent and Lot#	
Acetonitrile	DF301
Silica Sand	0-74-11

Extraction COC Transfer	
Extraction lab employee Initials	CFM
GC analyst's initials	HSM
Date	3-2-12
Time	10:30
Refrigerator	Hobart/Brown

	Technician's Initials
Scanned By	CFM
Sample Preparation	CFM KY
Extraction	CFM KY
Concentration	----------

Modified	03/02/12 8:44:51 AM

Reviewed By: Ky 595 **Date** 3-2-12

03/02/12 8:46:12 AM Ext_ID 35055

METALS
EPA SW846 - 6010B

APPL, INC.

METALS
EPA SW846 - 6010B
Forms

APPL, INC.

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 6010B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120301A-164424
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-WC01	AY55857
B4-WC02	AY55858
B4-WC03	AY55859

Comments: ARF: 67072

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

Signature: _____ Name: Diane Anderson

Date: 3-13-12 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 6010B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120301A-164465
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-SW9	AY55846
B4-NT1-SW6	AY55847
B4-NT1-SW3	AY55848
B4-NT1-BOT03	AY55849
B4-NT1-SW8	AY55850
B4-NT1-BOT02	AY55851
B4-NT1-SW4	AY55852
B4-NT1-SW7	AY55853
B4-NT1-BOT01 FD	AY55854
B4-NT1-BOT01	AY55855
B4-NT1-SW5	AY55856
B4-WC01	AY55857
B4-WC02	AY55858
B4-WC03	AY55859
B4-NT1-SW6 FD	AY55869

Comments: ARF: 67072

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

Signature: _____ Name: Diane Anderson

Date: 3-13-12 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW9 Lab Sample ID: AY55846 Matrix: Soil
% Solids: 87.3 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	2.1	1	F
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	4.4	1	F
COPPER (CU)	0.19	2.0	2.87	1	
LEAD (PB)	0.18	10.0	1.70	1	J
NICKEL (NI)	0.12	2.0	1.99	1	F
ZINC (ZN)	0.6	5.0	5.4	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW9 Lab Sample ID: AY55846 Matrix: Soil
% Solids: 87.3 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	24.5	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 Lab Sample ID: AY55847 Matrix: Soil
% Solids: 83.2 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	1.8	1	F
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	1.5	1	F
COPPER (CU)	0.19	2.0	3.31	1	
LEAD (PB)	0.18	10.0	1.41	1	J
NICKEL (NI)	0.12	2.0	1.53	1	F
ZINC (ZN)	0.6	5.0	14.4	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 Lab Sample ID: AY55847 Matrix: Soil
% Solids: 83.2 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	8.5	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW3 Lab Sample ID: AY55848 Matrix: Soil
% Solids: 88.3 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	2.5	1	F
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	4.2	1	F
COPPER (CU)	0.19	2.0	3.02	1	
LEAD (PB)	0.18	10.0	2.32	1	J
NICKEL (NI)	0.12	2.0	2.56	1	
ZINC (ZN)	0.6	5.0	16.2	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW3 Lab Sample ID: AY55848 Matrix: Soil
% Solids: 88.3 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	28.2	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT03 Lab Sample ID: AY55849 Matrix: Soil
% Solids: 89.4 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	2.7	1	F
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	8.6	1	F
LEAD (PB)	0.18	10.0	33.59	1	J
NICKEL (NI)	0.12	2.0	5.32	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT03 Lab Sample ID: AY55849 Matrix: Soil
% Solids: 89.4 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	35.2	5	
COPPER (CU)	0.95	10.0	11.43	5	
ZINC (ZN)	3.0	25.0	127.1	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW8 Lab Sample ID: AY55850 Matrix: Soil
% Solids: 85.5 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	2.0	1	F
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	5.3	1	F
COPPER (CU)	0.19	2.0	2.99	1	
LEAD (PB)	0.18	10.0	2.05	1	J
NICKEL (NI)	0.12	2.0	2.00	1	
ZINC (ZN)	0.6	5.0	13.9	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW8 Lab Sample ID: AY55850 Matrix: Soil
% Solids: 85.5 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	27.7	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT02 Lab Sample ID: AY55851 Matrix: Soil
% Solids: 95.8 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	2.1	1	F
CADMIUM (CD)	0.03	0.50	2.32	1	J
CHROMIUM (CR)	0.1	20.0	5.5	1	F
LEAD (PB)	0.18	10.0	40.88	1	J
NICKEL (NI)	0.12	2.0	19.13	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT02 Lab Sample ID: AY55851 Matrix: Soil
% Solids: 95.8 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	57.4	5	
COPPER (CU)	0.95	10.0	105.53	5	
ZINC (ZN)	3.0	25.0	176.7	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW4 Lab Sample ID: AY55852 Matrix: Soil
% Solids: 92.2 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	3.6	1	F
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	8.4	1	F
COPPER (CU)	0.19	2.0	7.42	1	
LEAD (PB)	0.18	10.0	3.75	1	J
NICKEL (NI)	0.12	2.0	5.80	1	
ZINC (ZN)	0.6	5.0	10.4	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW4 Lab Sample ID: AY55852 Matrix: Soil
% Solids: 92.2 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	32.2	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW7 Lab Sample ID: AY55853 Matrix: Soil
% Solids: 87.7 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	5.2	1	F
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	14.5	1	F
COPPER (CU)	0.19	2.0	7.54	1	
LEAD (PB)	0.18	10.0	5.20	1	J
NICKEL (NI)	0.12	2.0	6.88	1	
ZINC (ZN)	0.6	5.0	15.6	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW7 Lab Sample ID: AY55853 Matrix: Soil
% Solids: 87.7 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	52.2	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 FD Lab Sample ID: AY55854 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	2.2	1	F
CADMIUM (CD)	0.03	0.50	2.09	1	J
CHROMIUM (CR)	0.1	20.0	6.5	1	F
LEAD (PB)	0.18	10.0	10.65	1	J
NICKEL (NI)	0.12	2.0	3.51	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 FD Lab Sample ID: AY55854 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	25.0	5	
COPPER (CU)	0.95	10.0	34.46	5	
ZINC (ZN)	3.0	25.0	42.8	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 Lab Sample ID: AY55855 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	3.9	1	M
CADMIUM (CD)	0.03	0.50	0.03	1	M
CHROMIUM (CR)	0.1	20.0	9.5	1	M
LEAD (PB)	0.18	10.0	12.30	1	M
NICKEL (NI)	0.12	2.0	5.62	1	M

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 Lab Sample ID: AY55855 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	41.7	5	M
COPPER (CU)	0.95	10.0	135.20	5	M
ZINC (ZN)	3.0	25.0	54.9	5	M

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW5 Lab Sample ID: AY55856 Matrix: Soil
% Solids: 92.8 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	5.3	1	F
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	11.9	1	F
COPPER (CU)	0.19	2.0	6.68	1	
LEAD (PB)	0.18	10.0	5.12	1	J
NICKEL (NI)	0.12	2.0	7.13	1	
ZINC (ZN)	0.6	5.0	17.5	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW5 Lab Sample ID: AY55856 Matrix: Soil
% Solids: 92.8 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	47.7	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: EPA 3511/3010A AAB #: 120301A-164424
EA 3-12-12
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-WC01 Lab Sample ID: AY55857 Matrix: Soil
% Solids: NA Initial Calibration ID: 120301B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.002	0.03	0.003	1	F
BARIUM (BA)	0.0003	0.005	0.3974	1	
CADMIUM (CD)	0.0003	0.007	0.0003	1	U
CHROMIUM (CR)	0.001	0.01	0.001	1	U
LEAD (PB)	0.0012	0.025	0.0012	1	U
SELENIUM (SE)	0.002	0.03	0.002	1	U
SILVER (AG)	0.0002	0.01	0.0233	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-WC01 Lab Sample ID: AY55857 Matrix: Soil
% Solids: 88.3 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	3.5	1	F
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	8.0	1	F
LEAD (PB)	0.18	10.0	6.49	1	J
NICKEL (NI)	0.12	2.0	4.83	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-WC01 Lab Sample ID: AY55857 Matrix: Soil
% Solids: 88.3 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	39.7	5	
COPPER (CU)	0.95	10.0	14.27	5	
ZINC (ZN)	3.0	25.0	31.5	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: EPA 1311/3010A AAB #: 120301A-164424
Lab Name: APPL, Inc Contract #: *G012 EA 3-12-12
Field Sample ID: B4-WC02 Lab Sample ID: AY55858 Matrix: Soil
% Solids: NA Initial Calibration ID: 120301B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.002	0.03	0.006	1	F
BARIUM (BA)	0.0003	0.005	0.5565	1	
CADMIUM (CD)	0.0003	0.007	0.0003	1	U
CHROMIUM (CR)	0.001	0.01	0.001	1	U
LEAD (PB)	0.0012	0.025	0.0012	1	U
SELENIUM (SE)	0.002	0.03	0.002	1	U
SILVER (AG)	0.0002	0.01	0.0451	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-WC02 Lab Sample ID: AY55858 Matrix: Soil
% Solids: 87.4 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	3.4	1	F
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	7.0	1	F
COPPER (CU)	0.19	2.0	7.63	1	
LEAD (PB)	0.18	10.0	5.55	1	J
NICKEL (NI)	0.12	2.0	4.52	1	
ZINC (ZN)	0.6	5.0	21.6	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-WC02 Lab Sample ID: AY55858 Matrix: Soil
% Solids: 87.4 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	36.0	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: EPA 3111/3010A AAB #: 120301A-164424
Lab Name: APPL, Inc Contract #: *G012 3/3-12-12
Field Sample ID: B4-WC03 Lab Sample ID: AY55859 Matrix: Soil
% Solids: NA Initial Calibration ID: 120301B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.002	0.03	0.005	1	F
BARIUM (BA)	0.0003	0.005	0.6150	1	
CADMIUM (CD)	0.0003	0.007	0.0003	1	U
CHROMIUM (CR)	0.001	0.01	0.001	1	U
LEAD (PB)	0.0012	0.025	0.0012	1	U
SELENIUM (SE)	0.002	0.03	0.002	1	U
SILVER (AG)	0.0002	0.01	0.0340	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-WC03 Lab Sample ID: AY55859 Matrix: Soil
% Solids: 87.8 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	4.6	1	F
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	12.3	1	F
COPPER (CU)	0.19	2.0	9.70	1	
LEAD (PB)	0.18	10.0	6.28	1	J
NICKEL (NI)	0.12	2.0	8.73	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-WC03 Lab Sample ID: AY55859 Matrix: Soil
% Solids: 87.8 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	56.8	5	
ZINC (ZN)	3.0	25.0	38.3	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 FD Lab Sample ID: AY55869 Matrix: Soil
% Solids: 85.4 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 06-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	1.7	1	F
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	2.7	1	F
COPPER (CU)	0.19	2.0	4.03	1	
LEAD (PB)	0.18	10.0	1.53	1	J
NICKEL (NI)	0.12	2.0	2.05	1	
ZINC (ZN)	0.6	5.0	5.2	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120301A-164465
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 FD Lab Sample ID: AY55869 Matrix: Soil
% Solids: 85.4 Initial Calibration ID: 120306B
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 07-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
BARIUM (BA)	0.5	5.0	10.4	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method: EPA 6010B

AAB #: 120301A-164424

Lab Name: APPL, Inc.

Contract #: *C012

Date of Initial Calibration: 01-Mar-12

Initial Calibration ID: 120301B

Instrument ID: PHOEBE

Concentration Units (mg/L or mg/kg): mg/L

Analyte		Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	r	Q
Ag		0.0010	211.3	0.5	87064.9	0.1	176182.7	0.99999	
As		0.0035	30.8	1.0	7271.9	2.0	14264.8	0.99997	
Ba		0.0050	1716.8	1.0	284092.5	2.0	557360.7	0.99997	
Cd		0.0050	3707.5	1.0	586409.2	2.0	1136907.6	0.99992	
Cr		0.0050	1280.6	1.0	188363.8	2.0	371609.6	0.99999	
Pb		0.0030	92.7	1.0	23475.8	2.0	45333.0	0.99990	
Se		0.0050	29.8	1.0	6063.0	2.0	11765.7	0.99993	

Comments:

AFCEE FORM I-3

AFCEE
INORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method: EPA 6010B

AAB #: 120301A-164465

Lab Name: APPL, Inc.

Contract #: *G012

Date of Initial Calibration: 06-Mar-12

Initial Calibration ID: 120306B

Instrument ID: PHOEBE

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte		Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	r	Q
As		0.3500	14.1	100.0	5111.4	200.0	9855.1	0.99989	
Ba		0.5000	1381.4	100.0	240357.1	200.0	459176.6	0.99983	
Cd		0.5000	2867.1	100.0	489698.5	200.0	924198.6	0.99972	
Cr		0.5000	1036.7	100.0	162794.9	200.0	312055.8	0.99985	
Cu		0.5000	645.3	100.0	116564.7	200.0	226495.8	0.99993	
Ni		0.5000	507.5	100.0	78134.7	200.0	147918.0	0.99975	
Pb		0.3000	81.6	100.0	20037.6	200.0	37510.0	0.99964	
Zn		2.0000	3525.7	100.0	145989.3	200.0	276292.8	0.99975	

Comments:

AFCEE FORM I-3

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B
AAB #: 120301A-164424
Lab Name: APPL, Inc.
Contract #: *G012
Instrument ID: PHOEBE
Initial Colibration ID: 120301B
2nd Source ID: ICV 3/1/12 15:30
ICV ID: ICV 3/1/12 15:30
CCV #1 ID: CCV1 3/1/12 15:54
CCV #2 ID: CCV1 3/1/12 18:05
Concentration Units (mg/L or mg/kg): mg/L

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
Ag		0.500	0.485	3.1%	0.500	0.485	3.1%	0.500	0.502	0.4%	0.500	0.499	0.1%	
As		1.000	0.965	3.5%	1.000	0.965	3.5%	1.000	1.003	0.3%	1.000	1.021	2.1%	
Ba		1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.019	1.9%	1.000	1.021	2.1%	
Cd		1.000	1.042	4.2%	1.000	1.042	4.2%	1.000	1.029	2.9%	1.000	1.019	1.9%	
Cr		1.000	1.056	5.6%	1.000	1.056	5.6%	1.000	1.017	1.7%	1.000	1.018	1.8%	
Pb		1.000	1.051	5.1%	1.000	1.051	5.1%	1.000	1.039	3.9%	1.000	1.010	1.0%	
Se		1.000	1.046	4.6%	1.000	1.046	4.6%	1.000	1.029	2.9%	1.000	0.992	0.8%	

Comments:

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AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B AAB #: 120301A-164424

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: PHOEBE Initial Calibration ID: 120301B

2nd Source ID: ICV 3/1/12 15:30 ICV ID: ICV 3/1/12 15:30

CCV #1 ID: CCV2 3/1/12 19:07 CCV #2 ID:

Concentration Units (mg/L or mg/kg) mg/L

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
Ag		0.500	0.485	3.1%	0.500	0.485	3.1%	0.375	0.381	1.7%				
As		1.000	0.965	3.5%	1.000	0.965	3.5%	0.750	0.743	0.9%				
Ba		1.000	1.000	0.0%	1.000	1.000	0.0%	0.750	0.778	3.7%				
Cd		1.000	1.042	4.2%	1.000	1.042	4.2%	0.750	0.785	4.6%				
Cr		1.000	1.056	5.6%	1.000	1.056	5.6%	0.750	0.775	3.3%				
Pb		1.000	1.051	5.1%	1.000	1.051	5.1%	0.750	0.793	5.7%				
Se		1.000	1.046	4.6%	1.000	1.046	4.6%	0.750	0.778	3.8%				

Comments:

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AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B

AAB #: 120301A-164465

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: PHOEBE

Initial Calibration ID: 120306B

2nd Source ID: ICV 3/6/12 15:01

ICV ID: ICV 3/6/12 15:01

CCV #1 ID: CCV1 3/6/12 15:25

CCV #2 ID: CCV2 3/6/12 17:49

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
As		100.0	96.0	4.1%	100.0	96.0	4.1%	100.0	103.6	3.6%	75.0	73.0	2.7%	
Ba		100.0	99.0	1.0%	100.0	99.0	1.0%	100.0	103.1	3.1%	75.0	72.5	3.3%	
Cd		100.0	104.5	4.5%	100.0	104.5	4.5%	100.0	105.0	5.0%	75.0	72.4	3.5%	
Cr		100.0	105.0	5.0%	100.0	105.0	5.0%	100.0	103.4	3.4%	75.0	72.3	3.6%	
Cu		100.0	100.1	0.1%	100.0	100.1	0.1%	100.0	102.9	2.9%	75.0	72.0	4.0%	
Ni		100.0	106.6	6.6%	100.0	106.6	6.6%	100.0	104.9	4.9%	75.0	72.8	2.9%	
Pb		100.0	103.9	3.9%	100.0	103.9	3.9%	100.0	106.6	6.6%	75.0	74.0	1.3%	
Zn		100.0	106.3	6.3%	100.0	106.3	6.3%	100.0	105.0	5.0%	75.0	72.5	3.4%	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B — AAB #: 120301A-164465

Lab Name: APPL, Inc. — Contract #: *G012

Instrument ID: PHOEBE — Initial Calibration ID: 120306B

2nd Source ID: ICV 3/6/12 15:01 — ICV ID: ICV 3/6/12 15:01

CCV #1 ID: CCV1 3/6/12 18:50 — CCV #2 ID: CCV2 3/6/12 22:01

Concentration Units (mg/L or mg/kg) mg/kg

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
As		100.0	96.0	4.1%	100.0	96.0	4.1%	100.0	100.6	0.6%	75.0	74.3	0.9%	
Ba		100.0	99.0	1.0%	100.0	99.0	1.0%	100.0	99.1	0.9%	75.0	73.0	2.6%	
Cd		100.0	104.5	4.5%	100.0	104.5	4.5%	100.0	100.4	0.4%	75.0	73.8	1.7%	
Cr		100.0	105.0	5.0%	100.0	105.0	5.0%	100.0	99.1	1.0%	75.0	72.9	2.9%	
Cu		100.0	100.1	0.1%	100.0	100.1	0.1%	100.0	99.3	0.7%	75.0	72.2	3.8%	
Ni		100.0	106.6	6.6%	100.0	106.6	6.6%	100.0	99.7	0.3%	75.0	73.6	1.8%	
Pb		100.0	103.9	3.9%	100.0	103.9	3.9%	100.0	102.4	2.4%	75.0	75.2	0.3%	
Zn		100.0	106.3	6.3%	100.0	106.3	6.3%	100.0	100.2	0.2%	75.0	73.9	1.5%	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B AAB #: 120301A-164465

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: PHOEBE Initial Calibration ID: 120306B

2nd Source ID: ICV 3/6/12 15:01 ICV ID: ICV 3/6/12 15:01

CCV #1 ID: CCV1 3/6/12 22:58 CCV #2 ID: CCV2 3/7/12 00:02

Concentration Units (mg/L or mg/kg) mg/kg

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
As		100.0	96.0	4.1%	100.0	96.0	4.1%	100.0	99.8	0.2%	75.0	73.5	2.0%	
Ba		100.0	99.0	1.0%	100.0	99.0	1.0%	100.0	99.3	0.7%	75.0	72.1	3.8%	
Cd		100.0	104.5	4.5%	100.0	104.5	4.5%	100.0	99.9	0.2%	75.0	72.6	3.2%	
Cr		100.0	105.0	5.0%	100.0	105.0	5.0%	100.0	99.3	0.7%	75.0	72.1	3.8%	
Cu		100.0	100.1	0.1%	100.0	100.1	0.1%	100.0	99.5	0.5%	75.0	72.1	3.9%	
Ni		100.0	106.6	6.6%	100.0	106.6	6.6%	100.0	99.2	0.8%	75.0	72.7	3.1%	
Pb		100.0	103.9	3.9%	100.0	103.9	3.9%	100.0	100.3	0.3%	75.0	74.1	1.2%	
Zn		100.0	106.3	6.3%	100.0	106.3	6.3%	100.0	100.0	0.0%	75.0	72.6	3.2%	

Comments:

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AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B

AAB #: 120301A-164465

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: PHOEBE

Initial Calibration ID: 120306B

2nd Source ID: ICV 3/6/12 15:01

ICV ID: ICV 3/6/12 15:01

CCV #1 ID: CCV1 3/7/12 1:17

CCV #2 ID: CCV2 3/7/12 2:14

Concentration Units (mg/L or mg/kg): mg/kg

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
As		100.0	96.0	4.1%	100.0	96.0	4.1%	100.0	99.3	0.7%	75.0	74.7	0.4%	
Ba		100.0	99.0	1.0%	100.0	99.0	1.0%	100.0	96.3	3.7%	75.0	71.2	5.1%	
Cd		100.0	104.5	4.5%	100.0	104.5	4.5%	100.0	96.7	3.3%	75.0	71.2	5.1%	
Cr		100.0	105.0	5.0%	100.0	105.0	5.0%	100.0	96.4	3.6%	75.0	71.6	4.5%	
Cu		100.0	100.1	0.1%	100.0	100.1	0.1%	100.0	96.4	3.6%	75.0	70.7	5.7%	
Ni		100.0	106.6	6.6%	100.0	106.6	6.6%	100.0	96.4	3.7%	75.0	71.5	4.7%	
Pb		100.0	103.9	3.9%	100.0	103.9	3.9%	100.0	97.2	2.8%	75.0	72.9	2.8%	
Zn		100.0	106.3	6.3%	100.0	106.3	6.3%	100.0	96.8	3.2%	75.0	71.6	4.5%	

Comments:

AFCEE FORM I-4 Page 4 of 4

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANK

Analytical Method: EPA 6010B
Lab Name: APPL, Inc
Concentration Units: mg/L
Initial Calibration ID: 120301B

AAB #: 120301A-164424
Contract #: *G012
Method Blank ID: 120301A-BLK

6010T 2/13-2-12

Analyte	Method Blank	RL	Q
ARSENIC (AS)	< RL	0.03	U
BARIUM (BA)	< RL	0.005	U
CADMIUM (CD)	< RL	0.007	U
CHROMIUM (CR)	< RL	0.01	U
LEAD (PB)	< RL	0.025	U
SELENIUM (SE)	< RL	0.03	U
SILVER (AG)	< RL	0.01	U

Comments: ARF: 67072, Sample: AY55857

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 6010B AAB #: 120301A-164424

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg) mg/L

Initial Calibration Blank ID: ICB 3/1/12 15:35 Initial Calibration ID: 120301B

CCB #1 ID: CCB 3/1/12 15:59 CCB #2 ID: CCB 3/1/12 18:13 CCB #3 ID: CCB 3/1/12 19:12

Method Blank ID: 120301A-3010T-BLK Initial Calibration ID: 120301B

Analyte		Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
			1	2	3			
Ag		<RL	<RL	<RL	<RL	<RL	0.01	
As		<RL	<RL	<RL	<RL	<RL	0.03	
Ba		<RL	<RL	<RL	<RL	<RL	0.005	
Cd		<RL	<RL	<RL	<RL	<RL	0.007	
Cr		<RL	<RL	<RL	<RL	<RL	0.01	
Pb		<RL	<RL	<RL	<RL	<RL	0.025	
Se		<RL	<RL	<RL	<RL	<RL	0.03	

Comments:

AFCEE FORM I-5 Page 1 of 1

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANK

Analytical Method: EPA 6010B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: 120306B

AAB #: 120301A-164465
Contract #: *G012
Method Blank ID: 120301A-BLK
3504
LA 3-12-12

Analyte	Method Blank	RL	Q
ARSENIC (AS)	< RL	40.0	U
BARIUM (BA)	< RL	1.0	U
CADMIUM (CD)	< RL	0.50	U
CHROMIUM (CR)	< RL	20.0	U
COPPER (CU)	< RL	2.0	U
LEAD (PB)	< RL	10.0	U
NICKEL (NI)	< RL	2.0	U
ZINC (ZN)	< RL	5.0	U

Comments: ARF: 67072, Sample: AY55855

AFCBB
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 6010B AAB #: 120301A-164465

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg) mg/Kg

Initial Calibration Blank ID: ICB 3/6/12 15:06 Initial Calibration ID: 120306B

CCB #1 ID: CCB 3/6/12 15:28 CCB #2 ID: CCB 3/6/12 17:53 CCB #3 ID: CCB 3/6/12 19:01

Method Blank ID: 120301A-3050G-BLK Initial Calibration ID: 120306B

Analyte		Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
			1	2	3			
As		<RL	<RL	<RL	<RL	<RL	40.0	
Ba		<RL	<RL	<RL	<RL	<RL	1.00	
Cd		<RL	<RL	<RL	<RL	<RL	0.5	
Cr		<RL	<RL	<RL	<RL	<RL	20.0	
Cu		<RL	<RL	<RL	<RL	<RL	2.0	
Ni		<RL	<RL	<RL	<RL	<RL	2.0	
Pb		<RL	<RL	<RL	<RL	<RL	10.0	
Zn		<RL	<RL	<RL	<RL	<RL	5.0	

Comments:

AFCBB FORM I-5 Page 1 of 3

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 6010B AAB #: 120301A-164465

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg) mg/Kg

Initial Calibration Blank ID: ICB 3/6/12 15:06 Initial Calibration ID: 120306B

CCB #1 ID: CCB 3/6/12 22:05 CCB #2 ID: CCB 3/6/12 23:03 CCB #3 ID: CCB 3/7/12 00:10

rp 3-12-12

Method Blank ID: 120301A-3050G-BLK Initial Calibration ID: 120306B

Analyte		Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
			1	2	3			
As		<RL	<RL	<RL	<RL	<RL	40.0	
Ba		<RL	<RL	<RL	<RL	<RL	1.0	
Cd		<RL	<RL	<RL	<RL	<RL	0.5	
Cr		<RL	<RL	<RL	<RL	<RL	20.0	
Cu		<RL	<RL	<RL	<RL	<RL	2.0	
Ni		<RL	<RL	<RL	<RL	<RL	2.0	
Pb		<RL	<RL	<RL	<RL	<RL	10.0	
Zn		<RL	<RL	<RL	<RL	<RL	5.0	

Comments:

AFCEE PORM I-5 Page 2 of 3

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 6010B AAB #: 120301A-164465

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg) mg/Kg

Initial Calibration Blank ID: ICB 3/6/12 15:06 Initial Calibration ID: 120306B

CCB #1 ID: CCB 3/7/12 01:22 CCB #2 ID: CCB 3/7/12 02:19 CCB #3 ID:

Method Blank ID: 120301A-3050G-BLK Initial Calibration ID: 120306B

Analyte		Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
			1	2	3			
As		<RL	<RL	<RL		<RL	40.0	
Ba		<RL	<RL	<RL		<RL	1.0	
Cd		<RL	<RL	<RL		<RL	0.5	
Cr		<RL	<RL	<RL		<RL	20.0	
Cu		<RL	<RL	<RL		<RL	2.0	
Ni		<RL	<RL	<RL		<RL	2.0	
Pb		<RL	<RL	<RL		<RL	10.0	
Zn		<RL	<RL	<RL		<RL	5.0	

Comments:

AFCEE FORM I-5 Page 3 of 3

AFCEE
INORGANIC ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 6010B
Lab Name: APPL, Inc
LCS ID: 120301A_LCS
Concentration Units: mg/L

AAB #: 120301A-164424
Contract #: *G012
Initial Calibration ID: 120301B

Analyte	Expected	Found	% R	Control Limits	Q
ARSENIC (AS)	0.250	0.274	110	75-125	
BARIUM (BA)	0.2500	0.2697	108	75-125	
CADMIUM (CD)	0.0500	0.0536	107	75-125	
CHROMIUM (CR)	0.250	0.294	118	75-125	
LEAD (PB)	0.2500	0.2779	111	75-125	
SELENIUM (SE)	0.250	0.281	112	75-125	
SILVER (AG)	0.1000	0.1031	103	75-125	

Comments: ARF: 67072, Sample: AY55857

AFCEE
INORGANIC ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 6010B
Lab Name: APPL, Inc
LCS ID: 120301A LCS
Concentration Units: mg/kg

AAB #: 120301A-164465
Contract #: *G012
Initial Calibration ID: 120306B

Analyte	Expected	Found	% R	Control Limits	Q
ARSENIC (AS)	25.0	24.4	97.6	75-125	
BARIUM (BA)	25.0	24.1	96.4	75-125	
CADMIUM (CD)	5.00	4.96	99.2	75-125	
CHROMIUM (CR)	25.0	26.2	105	75-125	
COPPER (CU)	25.00	25.54	102	75-125	
LEAD (PB)	25.00	25.43	102	75-125	
NICKEL (NI)	25.00	26.26	105	75-125	
ZINC (ZN)	50.0	49.6	99.2	75-125	

Comments: ARF: 67072, Sample: AY55855

AFCEE
INORGANIC ANALYSES DATA SHEET 7
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: EPA 6010B

Lab Name: APPL, Inc Contract #: *G012

Concentration Units: mg/kg % Solids: 92.9

Parent Field Sample ID: B4-NT1-BOT01 MS ID: 120301-55855S MS MSD ID: 120301-55855S MSD

B4 S02 B4 S02 SA 3-12-02

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	% R	Duplicate Spiked Sample Result	% R	% RPD	Control Limits % R	Control Limits % RPD	Q
ARSENIC (AS)	3.9	50.1	40.2	72.5	41.7	75.4	3.7	75-125	20	M
BARIUM (BA)		50.1	78.4	156	79.3	158	1.1	75-125	20	M
CADMIUM (CD)		10.00	6.38	63.8	6.35	63.5	0.5	75-125	20	M
CHROMIUM (CR)	9.5	50.1	44.5	69.9	43.3	67.5	2.7	75-125	20	M
COPPER (CU)		50.00	187.30	375	72.55	145	88.3	75-125	20	M
LEAD (PB)	12.30	50.00	51.88	79.2	43.90	63.2	16.7	75-125	20	M
NICKEL (NI)	5.62	50.00	43.85	76.5	38.88	66.5	12.0	75-125	20	M
ZINC (ZN)		100.0	160.8	161	135.1	135	17.4	75-125	20	M

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: EPA 6010B AAB#: 120301A-164424

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
B4-WC01	27-Feb-12	28-Feb-12	01-Mar-12	180	3	
B4-WC02	27-Feb-12	28-Feb-12	01-Mar-12	180	3	
B4-WC03	27-Feb-12	28-Feb-12	01-Mar-12	180	3	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: EPA 6010B AAB#: 120301A-164465

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
B4-NT1-BOT01	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-BOT01	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-BOT01 FD	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-BOT01 FD	27-Feb-12	28-Feb-12	07-Mar-12	180	9	
B4-NT1-BOT02	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-BOT02	27-Feb-12	28-Feb-12	07-Mar-12	180	9	
B4-NT1-BOT03	27-Feb-12	28-Feb-12	07-Mar-12	180	9	
B4-NT1-BOT03	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-SW3	27-Feb-12	28-Feb-12	07-Mar-12	180	9	
B4-NT1-SW3	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-SW4	27-Feb-12	28-Feb-12	07-Mar-12	180	9	
B4-NT1-SW4	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-SW5	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-SW5	27-Feb-12	28-Feb-12	07-Mar-12	180	9	
B4-NT1-SW6	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-SW6	27-Feb-12	28-Feb-12	07-Mar-12	180	9	
B4-NT1-SW6 FD	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-SW6 FD	27-Feb-12	28-Feb-12	07-Mar-12	180	9	
B4-NT1-SW7	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-SW7	27-Feb-12	28-Feb-12	07-Mar-12	180	9	
B4-NT1-SW8	27-Feb-12	28-Feb-12	07-Mar-12	180	9	
B4-NT1-SW8	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-SW9	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-NT1-SW9	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-WC01	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-WC01	27-Feb-12	28-Feb-12	07-Mar-12	180	9	
B4-WC02	27-Feb-12	28-Feb-12	07-Mar-12	180	9	
B4-WC02	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-WC03	27-Feb-12	28-Feb-12	06-Mar-12	180	8	
B4-WC03	27-Feb-12	28-Feb-12	07-Mar-12	180	9	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 6010B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: PHOEBE ICAL ID: 120301B

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
CalBlk	01-Mar-12	15:11	01-Mar-12	15:11
STD 1	01-Mar-12	15:16	01-Mar-12	15:16
STD 2	01-Mar-12	15:21	01-Mar-12	15:21
STD 3	01-Mar-12	15:24	01-Mar-12	15:24
ICV	01-Mar-12	15:30	01-Mar-12	15:30
ICB	01-Mar-12	15:35	01-Mar-12	15:35
ICSA	01-Mar-12	15:45	01-Mar-12	15:45
ICSAB	01-Mar-12	15:49	01-Mar-12	15:49
CCV1	01-Mar-12	15:54	01-Mar-12	15:54
CCB	01-Mar-12	15:59	01-Mar-12	15:59
CCV1	01-Mar-12	18:05	01-Mar-12	18:05
CCB	01-Mar-12	18:13	01-Mar-12	18:13
120301A-3010T-BLK	01-Mar-12	18:17	01-Mar-12	18:17
120301A-3010T-LCS	01-Mar-12	18:22	01-Mar-12	18:22
AY55857S01	01-Mar-12	18:28	01-Mar-12	18:28
AY55858S01	01-Mar-12	18:33	01-Mar-12	18:33
AY55859S01	01-Mar-12	18:39	01-Mar-12	18:39
CCV2	01-Mar-12	19:07	01-Mar-12	19:07
CCB	01-Mar-12	19:12	01-Mar-12	19:12

6010 Injection Log

Directory: K:\ICAP PHOEBE\Backup Excel\

RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
1	01 Mar 2012	15:11	CalBlk 120301EA I:PB O:EA		120301B6010	1.
2	01 Mar 2012	15:16	STD 1 120301EA I:PB O:EA		120301B6010	1.
3	01 Mar 2012	15:21	STD 2 120301EA I:PB O:EA		120301B6010	1.
4	01 Mar 2012	15:24	STD 3 120301EA I:PB O:EA		120301B6010	1.
5	01 Mar 2012	15:30	ICV 120301EA I:PB O:EA		120301B6010	1.
6	01 Mar 2012	15:35	ICB 120301EA I:PB O:EA		120301B6010	1.
8	01 Mar 2012	15:45	ICSA 120301EA I:PB O:EA		120301B6010	1.
9	01 Mar 2012	15:49	ICSAB 120301EA I:PB O:EA		120301B6010	1.
10	01 Mar 2012	15:54	CCV1 120301EA I:PB O:EA		120301B6010	1.
11	01 Mar 2012	15:59	CCB 120301EA I:PB O:EA		120301B6010	1.
34	01 Mar 2012	18:05	CCV1 120301EA I:PB O:EA		120301B6010	1.
35	01 Mar 2012	18:13	CCB 120301EA I:PB O:EA		120301B6010	1.
36	01 Mar 2012	18:17	120301A-3010T-BLK		120301B6010	1.
37	01 Mar 2012	18:22	120301A-3010T-LCS		120301B6010	1.
38	01 Mar 2012	18:28	AY55857S01		120301B6010	1.
39	01 Mar 2012	18:33	AY55858S01		120301B6010	1.
40	01 Mar 2012	18:39	AY55859S01		120301B6010	1.
45	01 Mar 2012	19:07	CCV2 120301EA I:PB O:EA		120301B6010	1.
46	01 Mar 2012	19:12	CCB 120301EA I:PB O:EA		120301B6010	1.

AFCEE
INORGANIC ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 6010B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: PHOEBE ICAL ID: 120306B

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
CalBlk	06-Mar-12	14:43	06-Mar-12	14:43
STD 1	06-Mar-12	14:48	06-Mar-12	14:48
STD 2	06-Mar-12	14:53	06-Mar-12	14:53
STD 3	06-Mar-12	14:56	06-Mar-12	14:56
ICV	06-Mar-12	15:01	06-Mar-12	15:01
ICB	06-Mar-12	15:06	06-Mar-12	15:06
ICSA	06-Mar-12	15:15	06-Mar-12	15:15
ICSAB	06-Mar-12	15:22	06-Mar-12	15:22
CCV1	06-Mar-12	15:25	06-Mar-12	15:25
CCB	06-Mar-12	15:28	06-Mar-12	15:28
CCV2	06-Mar-12	17:49	06-Mar-12	17:49
CCB	06-Mar-12	17:53	06-Mar-12	17:53
120301A-3050G-BLK	06-Mar-12	17:58	06-Mar-12	17:58
120301A-3050G-LCS	06-Mar-12	18:03	06-Mar-12	18:03
CCV1	06-Mar-12	18:50	06-Mar-12	18:50
CCB	06-Mar-12	19:01	06-Mar-12	19:01
CCV2	06-Mar-12	22:01	06-Mar-12	22:01
CCB	06-Mar-12	22:05	06-Mar-12	22:05
AY55846S02	06-Mar-12	22:10	06-Mar-12	22:10
AY55847S02	06-Mar-12	22:15	06-Mar-12	22:15
AY55848S02	06-Mar-12	22:20	06-Mar-12	22:20
AY55849S02	06-Mar-12	22:25	06-Mar-12	22:25
AY55850S02	06-Mar-12	22:30	06-Mar-12	22:30
AY55851S02	06-Mar-12	22:35	06-Mar-12	22:35
AY55852S02	06-Mar-12	22:40	06-Mar-12	22:40
AY55853S02	06-Mar-12	22:45	06-Mar-12	22:45
AY55854S02	06-Mar-12	22:49	06-Mar-12	22:49
AY55855S02	06-Mar-12	22:54	06-Mar-12	22:54
CCV1	06-Mar-12	22:58	06-Mar-12	22:58
CCB	06-Mar-12	23:03	06-Mar-12	23:03
AY55855S02 MS	06-Mar-12	23:11	06-Mar-12	23:11
AY55855S02 MSD	06-Mar-12	23:16	06-Mar-12	23:16
AY55855S02-A	06-Mar-12	23:21	06-Mar-12	23:21
AY55855S02-1/5	06-Mar-12	23:26	06-Mar-12	23:26
AY55856S02	06-Mar-12	23:31	06-Mar-12	23:31
AY55857S02	06-Mar-12	23:36	06-Mar-12	23:36
AY55858S02	06-Mar-12	23:41	06-Mar-12	23:41
AY55859S02	06-Mar-12	23:46	06-Mar-12	23:46
AY55869S02	06-Mar-12	23:50	06-Mar-12	23:50
AY55846S02-1/5	06-Mar-12	23:56	06-Mar-12	23:56
CCV2	07-Mar-12	0:02	07-Mar-12	0:02
CCB	07-Mar-12	0:10	07-Mar-12	0:10
AY55847S02-1/5	07-Mar-12	0:15	07-Mar-12	0:15
AY55848S02-1/5	07-Mar-12	0:21	07-Mar-12	0:21
AY55849S02-1/5	07-Mar-12	0:27	07-Mar-12	0:27
AY55850S02-1/5	07-Mar-12	0:35	07-Mar-12	0:35
AY55851S02-1/5	07-Mar-12	0:41	07-Mar-12	0:41
AY55852S02-1/5	07-Mar-12	0:48	07-Mar-12	0:48
AY55853S02-1/5	07-Mar-12	0:53	07-Mar-12	0:53
AY55854S02-1/5	07-Mar-12	0:59	07-Mar-12	0:59
AY55855S02-1/25	07-Mar-12	1:11	07-Mar-12	1:11
CCV1	07-Mar-12	1:17	07-Mar-12	1:17
CCB	07-Mar-12	1:22	07-Mar-12	1:22
AY55855S02 MS-1/5	07-Mar-12	1:31	07-Mar-12	1:31
AY55855S02 MSD-1/5	07-Mar-12	1:36	07-Mar-12	1:36
AY55856S02-1/5	07-Mar-12	1:41	07-Mar-12	1:41
AY55857S02-1/5	07-Mar-12	1:46	07-Mar-12	1:46
AY55858S02-1/5	07-Mar-12	1:52	07-Mar-12	1:52
AY55859S02-1/5	07-Mar-12	1:58	07-Mar-12	1:58
AY55869S02-1/5	07-Mar-12	2:03	07-Mar-12	2:03
CCV2	07-Mar-12	2:14	07-Mar-12	2:14
CCB	07-Mar-12	2:19	07-Mar-12	2:19

6010 Injection Log

Directory: K:\ICAP PHOEBE\Backup Excel\

RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
1	06 Mar 2012	14:43	CalBlk 120306EA I:PB O:EA		120306B6010	1.
2	06 Mar 2012	14:48	STD 1 120306EA I:PB O:EA		120306B6010	1.
3	06 Mar 2012	14:53	STD 2 120306EA I:PB O:EA		120306B6010	1.
4	06 Mar 2012	14:56	STD 3 120306EA I:PB O:EA		120306B6010	1.
5	06 Mar 2012	15:01	ICV 120306EA I:PB O:EA		120306B6010	1.
6	06 Mar 2012	15:06	ICB 120306EA I:PB O:EA		120306B6010	1.
7	06 Mar 2012	15:11	LLICV 120306EA I:PB O:EA		120306B6010	1.
8	06 Mar 2012	15:15	ICSA 120306EA I:PB O:EA		120306B6010	1.
9	06 Mar 2012	15:22	ICSAB 120306EA I:PB O:EA		120306B6010	1.
10	06 Mar 2012	15:25	CCV1 120306EA I:PB O:EA		120306B6010	1.
11	06 Mar 2012	15:28	CCB 120306EA I:PB O:EA		120306B6010	1.
41	06 Mar 2012	17:49	CCV2 120306EA I:PB O:EA		120306B6010	1.
42	06 Mar 2012	17:53	CCB 120306EA I:PB O:EA		120306B6010	1.
43	06 Mar 2012	17:58	120301A-3050G-BLK		120306B6010	1.
44	06 Mar 2012	18:03	120301A-3050G-LCS		120306B6010	1.
53	06 Mar 2012	18:50	CCV1 120306EA I:PB O:EA		120306B6010	1.
54	06 Mar 2012	19:01	CCB 120306EA I:PB O:EA		120306B6010	1.
85	06 Mar 2012	22:01	CCV2 120306EA I:PB O:EA		120306B6010	1.
86	06 Mar 2012	22:05	CCB 120306EA I:PB O:EA		120306B6010	1.
87	06 Mar 2012	22:10	AY55846S02		120306B6010	1.
88	06 Mar 2012	22:15	AY55847S02		120306B6010	1.
89	06 Mar 2012	22:20	AY55848S02		120306B6010	1.
90	06 Mar 2012	22:25	AY55849S02		120306B6010	1.
91	06 Mar 2012	22:30	AY55850S02		120306B6010	1.
92	06 Mar 2012	22:35	AY55851S02		120306B6010	1.
93	06 Mar 2012	22:40	AY55852S02		120306B6010	1.
94	06 Mar 2012	22:45	AY55853S02		120306B6010	1.
95	06 Mar 2012	22:49	AY55854S02		120306B6010	1.
96	06 Mar 2012	22:54	AY55855S02		120306B6010	1.
97	06 Mar 2012	22:58	CCV1 120306EA I:PB O:EA		120306B6010	1.
98	06 Mar 2012	23:03	CCB 120306EA I:PB O:EA		120306B6010	1.
99	06 Mar 2012	23:11	AY55855S02 MS		120306B6010	1.
100	06 Mar 2012	23:16	AY55855S02 MSD		120306B6010	1.
101	06 Mar 2012	23:21	AY55855S02-A		120306B6010	1.
102	06 Mar 2012	23:26	AY55855S02-1/5		120306B6010	5.
103	06 Mar 2012	23:31	AY55856S02		120306B6010	1.
104	06 Mar 2012	23:36	AY55857S02		120306B6010	1.
105	06 Mar 2012	23:41	AY55858S02		120306B6010	1.
106	06 Mar 2012	23:46	AY55859S02		120306B6010	1.
107	06 Mar 2012	23:50	AY55869S02		120306B6010	1.
108	06 Mar 2012	23:56	AY55846S02-1/5		120306B6010	5.
109	07 Mar 2012	00:02	CCV2 120306EA I:PB O:EA		120306B6010	1.
110	07 Mar 2012	00:10	CCB 120306EA I:PB O:EA		120306B6010	1.

111	07 Mar 2012	00:15	AY55847S02-1/5	120306B6010	5.
112	07 Mar 2012	00:21	AY55848S02-1/5	120306B6010	5.
113	07 Mar 2012	00:27	AY55849S02-1/5	120306B6010	5.
114	07 Mar 2012	00:35	AY55850S02-1/5	120306B6010	5.
115	07 Mar 2012	00:41	AY55851S02-1/5	120306B6010	5.
116	07 Mar 2012	00:48	AY55852S02-1/5	120306B6010	5.
117	07 Mar 2012	00:53	AY55853S02-1/5	120306B6010	5.
118	07 Mar 2012	00:59	AY55854S02-1/5	120306B6010	5.
120	07 Mar 2012	01:11	AY55855S02-1/25	120306B6010	25.
121	07 Mar 2012	01:17	CCV1 120306EA I:PB O:EA	120306B6010	1.
122	07 Mar 2012	01:22	CCB 120306EA I:PB O:EA	120306B6010	1.
123	07 Mar 2012	01:31	AY55855S02 MS-1/5	120306B6010	5.
124	07 Mar 2012	01:36	AY55855S02 MSD-1/5	120306B6010	5.
125	07 Mar 2012	01:41	AY55856S02-1/5	120306B6010	5.
126	07 Mar 2012	01:46	AY55857S02-1/5	120306B6010	5.
127	07 Mar 2012	01:52	AY55858S02-1/5	120306B6010	5.
128	07 Mar 2012	01:58	AY55859S02-1/5	120306B6010	5.
129	07 Mar 2012	02:03	AY55869S02-1/5	120306B6010	5.
131	07 Mar 2012	02:14	CCV2 120306EA I:PB O:EA	120306B6010	1.
132	07 Mar 2012	02:19	CCB 120306EA I:PB O:EA	120306B6010	1.

A.P.P.L. INC.

9

ICP SERIAL DILUTION

CLIENT SAMPLE NO.

B4-NT1-BOT01

Lab Name: A.P.P.L. INC. Contract: Parsons

ARF No.: 67072 SDG: 67072

Matrix: soil

Analysis Date: 03/06/12 Concentration Units: mg/kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	%D	Q	M
Chromium (Cr)	8.871		10.53		18.7		M
Nickel (Ni)	5.219		6.813		30.5		M
Lead (Pb)	11.43		14.66		28.3		M

Comments:

03/06/12 22:54 AY55855S02

03/06/12 23:26 AY55855S02-1/5

A.P.P.L. INC.

9

ICP SERIAL DILUTION

CLIENT SAMPLE NO.

B4-NT1-BOT01

Lab Name: A.P.P.L. INC. Contract: Parsons

ARF No.: 67072 SDG: 67072

Matrix: soil

Analysis Date: 03/06/12 Concentration Units: mg/kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	%D	Q	M
Barium (Ba)	38.75		40.69		5.01		
Copper (Cu)	125.6		129.15		2.83		
Zinc (Zn)	50.96		53.9		5.77		

Comments:

03/06/12 23:26 AY55855S02-1/5

03/07/12 01:11 AY55855S02-1/25

A.P.P.L. INC.

5B

POST DIGEST SPIKE SAMPLE RECOVERY

CLIENT SAMPLE NO.

B4-NT1-BOT01

Lab Name: A.P.P.L. INC. Contract: Parsons

ARF No.: 67072 SDG: 67072

Analysis Date: 03/06/12 Concentration Units: mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic (As)	75-125	44.85		3.596		46.296	89.1		
Cadmium (Cd)	75-125	6.86		-0.005		9.259	74.1		M
Chromium (Cr)	75-125	45.25		8.871		46.296	78.6		
Nickel (Ni)	75-125	41.42		5.219		46.296	78.2		
Lead (Pb)	75-125	45.73		11.43		46.296	74.1		M

Comments:

03/06/12 22:54 AY55855S02

03/06/12 23:21 AY55855S02-A

A.P.P.L. INC.
4
ICP INTERFERENCE CHECK SAMPLE

Lab Name:	A.P.P.L. INC.	Contract:	*G012
ARF #:	67072	SDG:	67072
ICP ID No	PHOEBE	ICS Source:	Environmental Express

Analysis Date 03/01/12 Concentration Units: mg/L

ANALYTE	TRUE			Initial Found		
	SOL A	SOL AB	SOL A 15:45	Recovery	SOL AB 15:49	%R(1)
Silver		1	0.000147	<RL	0.9305	93.1
Aluminum	200	200	201.7	100.9	197.8	98.9
Arsenic		0.5	ND	<RL	0.4724	94.5
Barium		0.5	0.000006	<RL	0.4745	94.9
Calcium	200	200	199.4	99.7	196.9	98.5
Cadmium		1	0.000097	<RL	0.9491	94.9
Chromium		0.5	ND	<RL	0.4954	99.1
Iron	200	200	180.1	90.1	179.5	89.8
Magnesium	200	200	193	96.5	190.5	95.3
Lead		1	0.000852	<RL	0.973	97.3
Selenium		0.5	ND	<RL	0.4843	96.9

(1) Control Limits: Metals 80-120

A.P.P.L. INC.
4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: A.P.P.L. INC. Contract: *G012
ARF #: 67072 SDG: 67072
ICP ID No PHOEBE ICS Source: Environmental Express

Analysis Date 03/06/12 Concentration Units: mg/L

ANALYTE	TRUE			Initial Found		
	SOL A	SOL AB	SOL A 15:15	Recovery	SOL AB 15:22	%R(1)
Aluminum	200	200	195.1	97.6	200.6	100.3
Arsenic		0.5	0.001856	<RL	0.4818	96.4
Barium		0.5	0.001103	<RL	0.4681	93.6
Calcium	200	200	196.1	98.1	197.4	98.7
Cadmium		1	ND	<RL	0.9427	94.3
Chromium		0.5	ND	<RL	0.4884	97.7
Copper		0.5	ND	<RL	0.4963	99.3
Iron	200	200	184.1	92.1	182	91.0
Magnesium	200	200	190.8	95.4	190.7	95.4
Nickel		1	0.000425	<RL	0.9527	95.3
Lead		1	0.001486	<RL	0.9891	98.9
Zinc		1	ND	<RL	0.9437	94.4

(1) Control Limits: Metals 80-120

METALS
EPA SW846 - 6010B
Calibration Data

APPL, INC.

Sequence No.: 1
Sample ID: CalBlk 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/01/12 3:11:36 PM
Data Type: Reprocessed on 03/02/12 9:43:54 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CalBlk 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	-79.4	48.81	61.51%	[0.00]	ug/L
Al 308.215	145.8	31.58	21.66%	[0.00]	ug/L
As 188.979	-1.3	4.71	353.34%	[0.00]	ug/L
B	63.7	13.84	21.73%	[0.00]	ug/L
Ba 233.527	258.5	4.28	1.65%	[0.00]	ug/L
Be 313.107	-10739.9	288.41	2.69%	[0.00]	ug/L
Ca 315.887	253.7	19.23	7.58%	[0.00]	ug/L
Cd 214.440	723.7	1.05	0.15%	[0.00]	ug/L
Co 228.616	180.2	13.86	7.69%	[0.00]	ug/L
Cr 267.716	1061.2	25.98	2.45%	[0.00]	ug/L
Cu 327.393	941.1	65.42	6.95%	[0.00]	ug/L
Fe 273.955	506.3	57.98	11.45%	[0.00]	ug/L
K 766.490	-684.8	226.13	33.02%	[0.00]	ug/L
Mg 285.213	-215.2	4.56	2.12%	[0.00]	ug/L
Mn 257.610	351.9	6.67	1.90%	[0.00]	ug/L
Mo 202.031	181.7	7.33	4.04%	[0.00]	ug/L
Na 589.592	519.9	142.16	27.34%	[0.00]	ug/L
Ni 231.604	-210.7	14.56	6.91%	[0.00]	ug/L
P 213.617	-51.8	2.98	5.74%	[0.00]	ug/L
Pb 220.353	-18.0	3.92	21.84%	[0.00]	ug/L
Sb 206.836	4.2	0.88	21.28%	[0.00]	ug/L
Se 196.026	-25.7	2.40	9.34%	[0.00]	ug/L
Sn 189.927	36.5	1.42	3.88%	[0.00]	ug/L
Sr 421.552	1715.9	42.36	2.47%	[0.00]	ug/L
Ti 337.279	-735.0	27.68	3.77%	[0.00]	ug/L
Tl 190.801	-172.4	11.91	6.91%	[0.00]	ug/L
V 292.402	-386.4	160.88	41.63%	[0.00]	ug/L
Zn 206.200	-211.2	15.56	7.37%	[0.00]	ug/L

Sequence No.: 2
Sample ID: STD 1 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 03/01/12 3:16:25 PM
Data Type: Reprocessed on 03/02/12 9:43:56 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 1 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	211.3	89.05	42.14%	[1.00]	ug/L
Al 308.215	286.9	8.39	2.93%	[100.00]	ug/L
As 188.979	30.8	2.64	8.54%	[3.50]	ug/L
B	366.3	6.17	1.69%	[50.00]	ug/L
Ba 233.527	1716.8	16.85	0.98%	[5.00]	ug/L
Be 313.107	19370.9	104.83	0.54%	[2.00]	ug/L
Ca 315.887	5950.4	8.06	0.14%	[100.00]	ug/L
Cd 214.440	3707.5	0.81	0.02%	[5.00]	ug/L
Co 228.616	769.0	25.87	3.36%	[5.00]	ug/L
Cr 267.716	1280.6	8.93	0.70%	[5.00]	ug/L
Cu 327.393	1176.1	118.36	10.06%	[5.00]	ug/L
Fe 273.955	2713.4	25.52	0.94%	[50.00]	ug/L
K 766.490	6160.4	295.34	4.79%	[1000.00]	ug/L
Mg 285.213	3379.0	12.86	0.38%	[50]	ug/L
Mn 257.610	142.2	4.72	3.32%	[5.00]	ug/L
Mo 202.031	373.9	15.25	4.08%	[5.00]	ug/L
Na 589.592	17729.9	75.65	0.43%	[1000.00]	ug/L
Ni 231.604	623.0	16.45	2.64%	[5.00]	ug/L
P 213.617	268.2	1.96	0.73%	[25.00]	ug/L
Pb 220.353	92.7	15.35	16.56%	[3.00]	ug/L
Sb 206.836	55.8	2.34	4.19%	[5.00]	ug/L
Se 196.026	29.8	7.44	24.96%	[5.00]	ug/L
Sn 189.927	19.2	1.22	6.35%	[5.00]	ug/L
Sr 421.552	7960.0	77.52	0.97%	[5.00]	ug/L
Ti 337.279	408.1	28.74	7.04%	[5.00]	ug/L
Tl 190.801	108.4	2.50	2.31%	[5.00]	ug/L
V 292.402	2023.9	142.20	7.03%	[5.00]	ug/L
Zn 206.200	5581.0	6.03	0.11%	[20.00]	ug/L

Sequence No.: 3
Sample ID: STD 2 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/01/12 3:21:18 PM
Data Type: Reprocessed on 03/02/12 9:43:57 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 2 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	87064.9	881.58	1.01%	[500.0]	ug/L
Al 308.215	43060.5	331.85	0.77%	[20000.00]	ug/L
As 188.979	7271.9	56.37	0.78%	[1000.00]	ug/L
B	6896.8	31.67	0.46%	[1000.00]	ug/L
Ba 233.527	284092.5	2470.91	0.87%	[1000.00]	ug/L
Be 313.107	7700164.9	68977.83	0.90%	[1000.00]	ug/L
Ca 315.887	1014564.0	2166.87	0.21%	[50000]	ug/L
Cd 214.440	586409.2	5326.85	0.91%	[1000.00]	ug/L
Co 228.616	112591.6	876.21	0.78%	[1000.00]	ug/L
Cr 267.716	188363.8	1681.01	0.89%	[1000.00]	ug/L
Cu 327.393	185690.0	1010.19	0.54%	[1000.00]	ug/L
Fe 273.955	830605.6	5551.84	0.67%	[20000]	ug/L
K 766.490	115021.9	475.74	0.41%	[20000]	ug/L
Mg 285.213	2000462.0	3678.25	0.18%	[50000]	ug/L
Mn 257.610	88073.4	324.63	0.37%	[1000.00]	ug/L
Mo 202.031	65470.5	467.06	0.71%	[1000.00]	ug/L
Na 589.592	395974.3	664.02	0.17%	[25000]	ug/L
Ni 231.604	92841.9	963.69	1.04%	[1000.00]	ug/L
P 213.617	51410.7	408.92	0.80%	[5000]	ug/L
Pb 220.353	23475.8	247.03	1.05%	[1000.00]	ug/L
Sb 206.836	8766.4	66.20	0.76%	[1000.00]	ug/L
Se 196.026	6063.0	63.17	1.04%	[1000.00]	ug/L
Sn 189.927	12453.0	88.09	0.71%	[1000.00]	ug/L
Sr 421.552	1396923.1	3149.00	0.23%	[1000.00]	ug/L
Ti 337.279	96117.7	357.47	0.37%	[1000.00]	ug/L
Tl 190.801	16526.7	81.50	0.49%	[1000.00]	ug/L
V 292.402	349471.4	3039.61	0.87%	[1000.00]	ug/L
Zn 206.200	177724.3	1789.80	1.01%	[1000.00]	ug/L

Sequence No.: 4
Sample ID: STD 3 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 03/01/12 3:24:30 PM
Data Type: Reprocessed on 03/02/12 9:43:58 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 3 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	176182.7	668.86	0.38%	[1000.00]	ug/L
Al 308.215	87190.3	1329.34	1.52%	[40000.00]	ug/L
As 188.979	14264.8	209.71	1.47%	[2000.00]	ug/L
B	13972.9	138.56	0.99%	[2000.00]	ug/L
Ba 233.527	557360.7	3812.49	0.68%	[2000.00]	ug/L
Be 313.107	15018916.9	40636.16	0.27%	[2000.00]	ug/L
Ca 315.887	1993000.8	12482.67	0.63%	[100000.0]	ug/L
Cd 214.440	1136907.6	7044.26	0.62%	[2000.00]	ug/L
Co 228.616	219839.7	1455.76	0.66%	[2000.00]	ug/L
Cr 267.716	371609.6	2448.52	0.66%	[2000.00]	ug/L
Cu 327.393	372320.1	1642.57	0.44%	[2000.00]	ug/L
Fe 273.955	1619108.5	10384.88	0.64%	[40000]	ug/L
K 766.490	227404.3	1341.55	0.59%	[40000]	ug/L
Mg 285.213	3896388.5	20891.07	0.54%	[100000]	ug/L
Mn 257.610	174987.0	1104.66	0.63%	[2000.00]	ug/L
Mo 202.031	127400.4	1813.76	1.42%	[2000.00]	ug/L
Na 589.592	785095.1	4259.09	0.54%	[50000]	ug/L
Ni 231.604	181273.0	1073.14	0.59%	[2000.00]	ug/L
P 213.617	101501.5	1935.65	1.91%	[10000]	ug/L
Pb 220.353	45333.0	762.95	1.68%	[2000.00]	ug/L
Sb 206.836	17263.5	293.48	1.70%	[2000.00]	ug/L
Se 196.026	11765.7	215.42	1.83%	[2000.00]	ug/L
Sn 189.927	24147.2	366.83	1.52%	[2000.00]	ug/L
Sr 421.552	2774288.5	15525.98	0.56%	[2000.00]	ug/L
Ti 337.279	191438.0	1412.88	0.74%	[2000.00]	ug/L
Tl 190.801	31439.9	458.45	1.46%	[2000.00]	ug/L
V 292.402	695326.8	4620.14	0.66%	[2000.00]	ug/L
Zn 206.200	343736.3	2544.63	0.74%	[2000.00]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 338.289	3	Lin Thru 0	0.0	175.8	0.00000	0.999989	
Al 308.215	3	Lin Thru 0	0.0	2.174	0.00000	0.999988	
As 188.979	3	Lin Thru 0	0.0	7.160	0.00000	0.999970	
B	3	Lin Thru 0	0.0	6.969	0.00000	0.999986	
Ba 233.527	3	Lin Thru 0	0.0	279.8	0.00000	0.999970	
Be 313.107	3	Lin Thru 0	0.0	7548	0.00000	0.999949	
Ca 315.887	3	Lin Thru 0	0.0	20.00	0.00000	0.999972	
Cd 214.440	3	Lin Thru 0	0.0	572.0	0.00000	0.999921	
Co 228.616	3	Lin Thru 0	0.0	110.5	0.00000	0.999953	
Cr 267.716	3	Lin Thru 0	0.0	186.3	0.00000	0.999985	
Cu 327.393	3	Lin Thru 0	0.0	186.1	0.00000	0.999999	
Fe 273.955	3	Lin Thru 0	0.0	40.69	0.00000	0.999946	
K 766.490	3	Lin Thru 0	0.0	5.699	0.00000	0.999988	
Mg 285.213	3	Lin Thru 0	0.0	39.17	0.00000	0.999943	
Mn 257.610	3	Lin Thru 0	0.0	87.61	0.00000	0.999995	
Mo 202.031	3	Lin Thru 0	0.0	64.05	0.00000	0.999939	
Na 589.592	3	Lin Thru 0	0.0	15.73	0.00000	0.999991	
Ni 231.604	3	Lin Thru 0	0.0	91.08	0.00000	0.999953	
P 213.617	3	Lin Thru 0	0.0	10.18	0.00000	0.999987	
Pb 220.353	3	Lin Thru 0	0.0	22.83	0.00000	0.999899	
Sb 206.836	3	Lin Thru 0	0.0	8.659	0.00000	0.999980	
Se 196.026	3	Lin Thru 0	0.0	5.919	0.00000	0.999926	
Sn 189.927	3	Lin Thru 0	0.0	12.15	0.00000	0.999921	
Sr 421.552	3	Lin Thru 0	0.0	1389	0.00000	0.999996	
Ti 337.279	3	Lin Thru 0	0.0	95.80	0.00000	0.999999	
Tl 190.801	3	Lin Thru 0	0.0	15.88	0.00000	0.999793	

V 292.402	3	Lin Thru 0	0.0	348.0	0.00000	0.999998
Zn 206.200	3	Lin Thru 0	0.0	173.0	0.00000	0.999893

Sequence No.: 5
Sample ID: ICV 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 03/01/12 3:30:52 PM
Data Type: Reprocessed on 03/02/12 9:43:59 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 338.289	85176.1	484.6 ug/L	1.53	484.6 ug/L	1.53	0.32%
QC value within limits for Ag 338.289 Recovery = 96.92%						
Al 308.215	55173.6	25370 ug/L	176.4	25370 ug/L	176.4	0.70%
QC value within limits for Al 308.215 Recovery = 101.50%						
As 188.979	6909.9	965.0 ug/L	12.70	965.0 ug/L	12.70	1.32%
QC value within limits for As 188.979 Recovery = 96.50%						
B	6566.4	1030 ug/L	13.1	1030 ug/L	13.1	1.27%
QC value within limits for B Recovery = 102.98%						
Ba 233.527	280751.4	1000 ug/L	3.0	1000 ug/L	3.0	0.30%
QC value within limits for Ba 233.527 Recovery = 100.03%						
Be 313.107	7703271.9	1024 ug/L	8.5	1024 ug/L	8.5	0.83%
QC value within limits for Be 313.107 Recovery = 102.43%						
Ca 315.887	505853.4	25190 ug/L	456.5	25190 ug/L	456.5	1.81%
QC value within limits for Ca 315.887 Recovery = 100.74%						
Cd 214.440	596846.3	1042 ug/L	3.3	1042 ug/L	3.3	0.31%
QC value within limits for Cd 214.440 Recovery = 104.22%						
Co 228.616	116610.8	1054 ug/L	3.0	1054 ug/L	3.0	0.29%
QC value within limits for Co 228.616 Recovery = 105.40%						
Cr 267.716	196652.0	1056 ug/L	2.4	1056 ug/L	2.4	0.23%
QC value within limits for Cr 267.716 Recovery = 105.55%						
Cu 327.393	188017.0	1013 ug/L	2.5	1013 ug/L	2.5	0.25%
QC value within limits for Cu 327.393 Recovery = 101.31%						
Fe 273.955	1054305.4	25760 ug/L	73.8	25760 ug/L	73.8	0.29%
QC value within limits for Fe 273.955 Recovery = 103.03%						
K 766.490	141917.9	24880 ug/L	431.1	24880 ug/L	431.1	1.73%
QC value within limits for K 766.490 Recovery = 99.50%						
Mg 285.213	996600.7	25420 ug/L	414.5	25420 ug/L	414.5	1.63%
QC value within limits for Mg 285.213 Recovery = 101.67%						
Mn 257.610	92822.7	1059 ug/L	7.6	1059 ug/L	7.6	0.72%
QC value within limits for Mn 257.610 Recovery = 105.86%						
Mo 202.031	62483.5	977.2 ug/L	8.28	977.2 ug/L	8.28	0.85%
QC value within limits for Mo 202.031 Recovery = 97.72%						
Na 589.592	394611.5	25050 ug/L	405.6	25050 ug/L	405.6	1.62%
QC value within limits for Na 589.592 Recovery = 100.22%						
Ni 231.604	95904.5	1050 ug/L	2.4	1050 ug/L	2.4	0.23%
QC value within limits for Ni 231.604 Recovery = 104.98%						
P 213.617	49898.4	4903 ug/L	69.1	4903 ug/L	69.1	1.41%
QC value within limits for P 213.617 Recovery = 98.07%						
Pb 220.353	24003.2	1051 ug/L	17.7	1051 ug/L	17.7	1.68%
QC value within limits for Pb 220.353 Recovery = 105.15%						
Sb 206.836	8964.3	1035 ug/L	10.5	1035 ug/L	10.5	1.01%
QC value within limits for Sb 206.836 Recovery = 103.53%						
Se 196.026	6190.7	1046 ug/L	17.6	1046 ug/L	17.6	1.68%
QC value within limits for Se 196.026 Recovery = 104.59%						
Sn 189.927	6962.0	573.0 ug/L	8.69	573.0 ug/L	8.69	1.52%
QC value greater than the upper limit for Sn 189.927 Recovery = 114.61%						
Sr 421.552	1373453.9	988.0 ug/L	16.70	988.0 ug/L	16.70	1.69%
QC value within limits for Sr 421.552 Recovery = 98.80%						
Ti 337.279	96435.5	1006 ug/L	7.6	1006 ug/L	7.6	0.75%
QC value within limits for Ti 337.279 Recovery = 100.55%						
Tl 190.801	16482.5	1057 ug/L	8.8	1057 ug/L	8.8	0.83%
QC value within limits for Tl 190.801 Recovery = 105.68%						
V 292.402	350424.8	1025 ug/L	2.7	1025 ug/L	2.7	0.27%
QC value within limits for V 292.402 Recovery = 102.47%						
Zn 206.200	180726.6	1048 ug/L	2.4	1048 ug/L	2.4	0.23%
QC value within limits for Zn 206.200 Recovery = 104.75%						

QC Failed. Continue with analysis.

Sequence No.: 6
Sample ID: ICB 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/01/12 3:35:27 PM
Data Type: Reprocessed on 03/02/12 9:44:00 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-32.2	-0.183	ug/L	0.2080	-0.183	ug/L	0.2080	113.67%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-2.7	-1.229	ug/L	18.0558	-1.229	ug/L	18.0558	>999.9%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-2.7	-0.370	ug/L	0.2733	-0.370	ug/L	0.2733	73.76%
QC value within limits for As 188.979 Recovery = Not calculated								
B	47.9	6.877	ug/L	1.3164	6.877	ug/L	1.3164	19.14%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	0.6	0.002	ug/L	0.0596	0.002	ug/L	0.0596	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	404.4	0.054	ug/L	0.0202	0.054	ug/L	0.0202	37.28%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	34.7	1.724	ug/L	1.2080	1.724	ug/L	1.2080	70.06%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-14.3	-0.025	ug/L	0.0218	-0.025	ug/L	0.0218	87.79%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	14.5	0.131	ug/L	0.0863	0.131	ug/L	0.0863	65.79%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	41.7	0.224	ug/L	0.1744	0.224	ug/L	0.1744	77.98%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	135.5	0.728	ug/L	0.7258	0.728	ug/L	0.7258	99.62%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	22.7	0.547	ug/L	0.7043	0.547	ug/L	0.7043	128.65%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	275.0	48.25	ug/L	18.322	48.25	ug/L	18.322	37.97%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	-20.8	-0.533	ug/L	0.2748	-0.533	ug/L	0.2748	51.59%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	-1.4	-0.016	ug/L	0.0739	-0.016	ug/L	0.0739	452.16%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	11.5	0.180	ug/L	0.2439	0.180	ug/L	0.2439	135.58%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	26.1	1.651	ug/L	8.7171	1.651	ug/L	8.7171	528.07%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	11.4	0.125	ug/L	0.0008	0.125	ug/L	0.0008	0.61%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-2.4	-0.235	ug/L	0.5138	-0.235	ug/L	0.5138	218.46%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	2.9	0.126	ug/L	0.6464	0.126	ug/L	0.6464	514.33%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	4.2	0.485	ug/L	0.5797	0.485	ug/L	0.5797	119.55%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	1.7	0.291	ug/L	1.8144	0.291	ug/L	1.8144	624.25%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	14.4	1.184	ug/L	0.1045	1.184	ug/L	0.1045	8.83%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	-88.2	-0.063	ug/L	0.1019	-0.063	ug/L	0.1019	160.61%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	13.0	0.135	ug/L	0.3349	0.135	ug/L	0.3349	247.25%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	14.5	0.915	ug/L	0.6736	0.915	ug/L	0.6736	73.64%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	3.2	0.014	ug/L	0.1184	0.014	ug/L	0.1184	853.80%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-34.1	-0.196	ug/L	0.0225	-0.196	ug/L	0.0225	11.49%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICSA 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 03/01/12 3:45:10 PM
Data Type: Reprocessed on 03/02/12 9:44:03 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	25.9	0.147	ug/L	0.0072	0.147	ug/L	0.0072	4.92%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	438657.7	201700	ug/L	2259.9	201700	ug/L	2259.9	1.12%
QC value within limits for Al 308.215 Recovery = 100.87%								
As 188.979	-23.3	-3.260	ug/L	2.3750	-3.260	ug/L	2.3750	72.84%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-4348.4	-23.71	ug/L	3.499	-23.71	ug/L	3.499	14.76%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	7597.9	0.006	ug/L	0.2907	0.006	ug/L	0.2907	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	23647.5	0.081	ug/L	0.0368	0.081	ug/L	0.0368	45.47%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	4000007.3	199400	ug/L	1952.9	199400	ug/L	1952.9	0.98%
QC value within limits for Ca 315.887 Recovery = 99.71%								
Cd 214.440	7384.2	0.097	ug/L	0.2047	0.097	ug/L	0.2047	211.80%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	994.1	-0.416	ug/L	0.5153	-0.416	ug/L	0.5153	123.91%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	1295.2	-0.453	ug/L	0.2549	-0.453	ug/L	0.2549	56.25%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	-1086.2	-1.423	ug/L	0.8286	-1.423	ug/L	0.8286	58.24%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	7344769.4	180100	ug/L	1076.1	180100	ug/L	1076.1	0.60%
QC value within limits for Fe 273.955 Recovery = 90.04%								
K 766.490	813.9	31.10	ug/L	15.267	31.10	ug/L	15.267	49.09%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	7564564.5	193000	ug/L	1630.9	193000	ug/L	1630.9	0.85%
QC value within limits for Mg 285.213 Recovery = 96.49%								
Mn 257.610	593.5	-0.011	ug/L	0.9097	-0.011	ug/L	0.9097	>999.9%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-501.3	0.005	ug/L	0.9765	0.005	ug/L	0.9765	>999.9%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	2421.1	-12.57	ug/L	6.883	-12.57	ug/L	6.883	54.75%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	729.8	0.002	ug/L	0.5436	0.002	ug/L	0.5436	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	98.3	9.655	ug/L	4.4023	9.655	ug/L	4.4023	45.60%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	19.4	0.852	ug/L	3.0941	0.852	ug/L	3.0941	363.34%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-18.9	-2.180	ug/L	2.2544	-2.180	ug/L	2.2544	103.41%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-3.4	-0.580	ug/L	15.1656	-0.580	ug/L	15.1656	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	209.3	17.23	ug/L	0.463	17.23	ug/L	0.463	2.69%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	7131.7	0.002	ug/L	0.2605	0.002	ug/L	0.2605	>999.9%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	891.8	2.228	ug/L	0.3858	2.228	ug/L	0.3858	17.31%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	62.7	1.988	ug/L	1.6747	1.988	ug/L	1.6747	84.23%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	15597.4	-1.086	ug/L	0.4367	-1.086	ug/L	0.4367	40.22%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	4643.2	-3.629	ug/L	0.3601	-3.629	ug/L	0.3601	9.92%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSAB 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 03/01/12 3:49:53 PM
Data Type: Reprocessed on 03/02/12 9:44:04 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 338.289	163560.3	930.5 ug/L	12.50	930.5 ug/L	12.50	1.34%
QC value within limits for Ag 338.289 Recovery = 93.05%						
Al 308.215	430204.4	197800 ug/L	2112.0	197800 ug/L	2112.0	1.07%
QC value within limits for Al 308.215 Recovery = 98.92%						
As 188.979	3382.4	472.4 ug/L	12.46	472.4 ug/L	12.46	2.64%
QC value within limits for As 188.979 Recovery = 94.48%						
B	-4257.4	-12.84 ug/L	8.691	-12.84 ug/L	8.691	67.69%
QC value within limits for B Recovery = Not calculated						
Ba 233.527	140227.9	474.5 ug/L	5.86	474.5 ug/L	5.86	1.24%
QC value within limits for Ba 233.527 Recovery = 94.91%						
Be 313.107	3670754.9	483.4 ug/L	2.66	483.4 ug/L	2.66	0.55%
QC value within limits for Be 313.107 Recovery = 96.67%						
Ca 315.887	3948689.9	196900 ug/L	1025.0	196900 ug/L	1025.0	0.52%
QC value within limits for Ca 315.887 Recovery = 98.43%						
Cd 214.440	550085.9	949.1 ug/L	11.81	949.1 ug/L	11.81	1.24%
QC value within limits for Cd 214.440 Recovery = 94.91%						
Co 228.616	54444.2	484.5 ug/L	4.48	484.5 ug/L	4.48	0.92%
QC value within limits for Co 228.616 Recovery = 96.90%						
Cr 267.716	93555.6	495.4 ug/L	5.49	495.4 ug/L	5.49	1.11%
QC value within limits for Cr 267.716 Recovery = 99.08%						
Cu 327.393	92927.9	504.0 ug/L	6.33	504.0 ug/L	6.33	1.26%
QC value within limits for Cu 327.393 Recovery = 100.79%						
Fe 273.955	7323958.5	179500 ug/L	824.0	179500 ug/L	824.0	0.46%
QC value within limits for Fe 273.955 Recovery = 89.77%						
K 766.490	868.1	37.26 ug/L	13.144	37.26 ug/L	13.144	35.27%
QC value within limits for K 766.490 Recovery = Not calculated						
Mg 285.213	7466275.5	190500 ug/L	955.3	190500 ug/L	955.3	0.50%
QC value within limits for Mg 285.213 Recovery = 95.23%						
Mn 257.610	44002.3	495.7 ug/L	0.38	495.7 ug/L	0.38	0.08%
QC value within limits for Mn 257.610 Recovery = 99.14%						
Mo 202.031	29196.9	464.0 ug/L	3.44	464.0 ug/L	3.44	0.74%
QC value within limits for Mo 202.031 Recovery = 92.80%						
Na 589.592	2541.5	-6.003 ug/L	7.8106	-6.003 ug/L	7.8106	130.10%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604	86598.2	942.0 ug/L	12.82	942.0 ug/L	12.82	1.36%
QC value within limits for Ni 231.604 Recovery = 94.20%						
P 213.617	62.9	6.180 ug/L	2.7426	6.180 ug/L	2.7426	44.38%
QC value within limits for P 213.617 Recovery = Not calculated						
Pb 220.353	22211.8	973.0 ug/L	2.35	973.0 ug/L	2.35	0.24%
QC value within limits for Pb 220.353 Recovery = 97.30%						
Sb 206.836	4279.9	494.3 ug/L	5.58	494.3 ug/L	5.58	1.13%
QC value within limits for Sb 206.836 Recovery = 98.86%						
Se 196.026	2866.6	484.3 ug/L	12.67	484.3 ug/L	12.67	2.62%
QC value within limits for Se 196.026 Recovery = 96.86%						
Sn 189.927	206.3	16.98 ug/L	0.607	16.98 ug/L	0.607	3.58%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 421.552	7101.4	0.011 ug/L	0.1196	0.011 ug/L	0.1196	>999.9%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Ti 337.279	849.7	1.938 ug/L	1.2024	1.938 ug/L	1.2024	62.04%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801	7798.6	493.7 ug/L	7.07	493.7 ug/L	7.07	1.43%
QC value within limits for Tl 190.801 Recovery = 98.73%						
V 292.402	181043.3	486.4 ug/L	6.79	486.4 ug/L	6.79	1.40%
QC value within limits for V 292.402 Recovery = 97.28%						
Zn 206.200	166422.8	935.0 ug/L	13.02	935.0 ug/L	13.02	1.39%
QC value within limits for Zn 206.200 Recovery = 93.50%						

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: CCV1 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/01/12 3:54:37 PM
Data Type: Reprocessed on 03/02/12 9:44:05 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	88167.6	501.6	ug/L	6.23	501.6	ug/L	6.23	1.24%
QC value within limits for Ag 338.289 Recovery = 100.32%								
Al 308.215	42934.8	19750	ug/L	348.9	19750	ug/L	348.9	1.77%
QC value within limits for Al 308.215 Recovery = 98.73%								
As 188.979	7178.3	1003	ug/L	6.9	1003	ug/L	6.9	0.68%
QC value within limits for As 188.979 Recovery = 100.25%								
B	6871.0	1059	ug/L	16.9	1059	ug/L	16.9	1.60%
QC value within limits for B Recovery = 105.94%								
Ba 233.527	285909.6	1019	ug/L	12.8	1019	ug/L	12.8	1.25%
QC value within limits for Ba 233.527 Recovery = 101.94%								
Be 313.107	7663594.1	1019	ug/L	6.1	1019	ug/L	6.1	0.60%
QC value within limits for Be 313.107 Recovery = 101.89%								
Ca 315.887	1001767.6	49980	ug/L	487.1	49980	ug/L	487.1	0.97%
QC value within limits for Ca 315.887 Recovery = 99.95%								
Cd 214.440	589214.7	1029	ug/L	12.1	1029	ug/L	12.1	1.18%
QC value within limits for Cd 214.440 Recovery = 102.90%								
Co 228.616	113172.3	1023	ug/L	12.7	1023	ug/L	12.7	1.24%
QC value within limits for Co 228.616 Recovery = 102.30%								
Cr 267.716	189698.2	1017	ug/L	10.8	1017	ug/L	10.8	1.06%
QC value within limits for Cr 267.716 Recovery = 101.73%								
Cu 327.393	186772.8	1006	ug/L	9.5	1006	ug/L	9.5	0.95%
QC value within limits for Cu 327.393 Recovery = 100.63%								
Fe 273.955	834645.2	20320	ug/L	239.3	20320	ug/L	239.3	1.18%
QC value within limits for Fe 273.955 Recovery = 101.61%								
K 766.490	115178.4	20170	ug/L	342.0	20170	ug/L	342.0	1.70%
QC value within limits for K 766.490 Recovery = 100.84%								
Mg 285.213	1978273.1	50470	ug/L	447.7	50470	ug/L	447.7	0.89%
QC value within limits for Mg 285.213 Recovery = 100.93%								
Mn 257.610	87518.5	996.3	ug/L	18.98	996.3	ug/L	18.98	1.90%
QC value within limits for Mn 257.610 Recovery = 99.63%								
Mo 202.031	65467.1	1023	ug/L	11.5	1023	ug/L	11.5	1.12%
QC value within limits for Mo 202.031 Recovery = 102.30%								
Na 589.592	393345.7	24960	ug/L	205.5	24960	ug/L	205.5	0.82%
QC value within limits for Na 589.592 Recovery = 99.86%								
Ni 231.604	93517.2	1023	ug/L	13.3	1023	ug/L	13.3	1.30%
QC value within limits for Ni 231.604 Recovery = 102.32%								
P 213.617	51588.2	5069	ug/L	77.8	5069	ug/L	77.8	1.54%
QC value within limits for P 213.617 Recovery = 101.39%								
Pb 220.353	23662.8	1037	ug/L	19.3	1037	ug/L	19.3	1.86%
QC value within limits for Pb 220.353 Recovery = 103.66%								
Sb 206.836	8755.6	1011	ug/L	7.3	1011	ug/L	7.3	0.72%
QC value within limits for Sb 206.836 Recovery = 101.12%								
Se 196.026	6088.0	1029	ug/L	15.6	1029	ug/L	15.6	1.51%
QC value within limits for Se 196.026 Recovery = 102.86%								
Sn 189.927	12476.8	1027	ug/L	13.9	1027	ug/L	13.9	1.35%
QC value within limits for Sn 189.927 Recovery = 102.69%								
Sr 421.552	1383697.6	995.1	ug/L	9.13	995.1	ug/L	9.13	0.92%
QC value within limits for Sr 421.552 Recovery = 99.51%								
Ti 337.279	95067.9	990.5	ug/L	17.48	990.5	ug/L	17.48	1.76%
QC value within limits for Ti 337.279 Recovery = 99.05%								
Tl 190.801	16544.7	1060	ug/L	9.1	1060	ug/L	9.1	0.86%
QC value within limits for Tl 190.801 Recovery = 106.01%								
V 292.402	351870.4	1030	ug/L	11.4	1030	ug/L	11.4	1.10%
QC value within limits for V 292.402 Recovery = 103.03%								
Zn 206.200	178341.7	1033	ug/L	13.0	1033	ug/L	13.0	1.26%
QC value within limits for Zn 206.200 Recovery = 103.30%								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: CCB 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/01/12 3:59:20 PM
Data Type: Reprocessed on 03/02/12 9:44:06 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-66.0	-0.375	ug/L	0.2597	-0.375	ug/L	0.2597	69.19%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-48.8	-22.46	ug/L	40.276	-22.46	ug/L	40.276	179.33%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	2.5	0.349	ug/L	0.4213	0.349	ug/L	0.4213	120.60%
QC value within limits for As 188.979 Recovery = Not calculated								
B	38.5	5.540	ug/L	1.0955	5.540	ug/L	1.0955	19.77%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-12.6	-0.046	ug/L	0.0857	-0.046	ug/L	0.0857	185.74%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	648.4	0.086	ug/L	0.0218	0.086	ug/L	0.0218	25.36%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	77.4	3.867	ug/L	1.2340	3.867	ug/L	1.2340	31.91%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-34.7	-0.061	ug/L	0.0218	-0.061	ug/L	0.0218	35.65%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	-18.0	-0.163	ug/L	0.1268	-0.163	ug/L	0.1268	77.71%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	18.1	0.096	ug/L	0.0469	0.096	ug/L	0.0469	48.75%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	32.2	0.173	ug/L	0.6609	0.173	ug/L	0.6609	380.95%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	211.3	5.220	ug/L	7.4887	5.220	ug/L	7.4887	143.47%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	194.1	34.05	ug/L	31.242	34.05	ug/L	31.242	91.75%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	19.0	0.486	ug/L	0.6027	0.486	ug/L	0.6027	124.08%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	11.6	0.132	ug/L	0.0347	0.132	ug/L	0.0347	26.23%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-5.9	-0.092	ug/L	0.0533	-0.092	ug/L	0.0533	57.76%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	53.3	3.384	ug/L	7.5589	3.384	ug/L	7.5589	223.40%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	1.7	0.018	ug/L	0.0840	0.018	ug/L	0.0840	462.01%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-6.1	-0.598	ug/L	0.9494	-0.598	ug/L	0.9494	158.88%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	1.4	0.060	ug/L	0.4795	0.060	ug/L	0.4795	802.24%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	10.5	1.213	ug/L	0.4952	1.213	ug/L	0.4952	40.84%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	2.6	0.441	ug/L	0.9056	0.441	ug/L	0.9056	205.44%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	8.7	0.715	ug/L	0.4453	0.715	ug/L	0.4453	62.26%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	-252.6	-0.182	ug/L	0.0730	-0.182	ug/L	0.0730	40.14%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-1.5	-0.015	ug/L	0.3381	-0.015	ug/L	0.3381	>999.9%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	4.4	0.276	ug/L	0.7400	0.276	ug/L	0.7400	268.51%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-120.1	-0.347	ug/L	0.2046	-0.347	ug/L	0.2046	58.98%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-15.2	-0.088	ug/L	0.0187	-0.088	ug/L	0.0187	21.35%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 34
Sample ID: CCV1 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/01/12 6:05:04 PM
Data Type: Reprocessed on 03/02/12 9:44:31 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	87777.8	499.4	ug/L	1.59	499.4	ug/L	1.59	0.32%
QC value within limits for Ag 338.289 Recovery = 99.88%								
Al 308.215	43974.8	20220	ug/L	385.5	20220	ug/L	385.5	1.91%
QC value within limits for Al 308.215 Recovery = 101.12%								
As 188.979	7308.3	1021	ug/L	10.2	1021	ug/L	10.2	1.00%
QC value within limits for As 188.979 Recovery = 102.07%								
B	6819.7	1052	ug/L	24.9	1052	ug/L	24.9	2.36%
QC value within limits for B Recovery = 105.22%								
Ba 233.527	286242.6	1021	ug/L	3.1	1021	ug/L	3.1	0.31%
QC value within limits for Ba 233.527 Recovery = 102.05%								
Be 313.107	7607717.5	1011	ug/L	7.1	1011	ug/L	7.1	0.70%
QC value within limits for Be 313.107 Recovery = 101.15%								
Ca 315.887	1003547.7	50060	ug/L	449.2	50060	ug/L	449.2	0.90%
QC value within limits for Ca 315.887 Recovery = 100.13%								
Cd 214.440	583264.6	1019	ug/L	3.8	1019	ug/L	3.8	0.37%
QC value within limits for Cd 214.440 Recovery = 101.86%								
Co 228.616	113196.6	1023	ug/L	3.1	1023	ug/L	3.1	0.30%
QC value within limits for Co 228.616 Recovery = 102.32%								
Cr 267.716	189775.2	1018	ug/L	4.4	1018	ug/L	4.4	0.44%
QC value within limits for Cr 267.716 Recovery = 101.78%								
Cu 327.393	189150.4	1019	ug/L	4.0	1019	ug/L	4.0	0.39%
QC value within limits for Cu 327.393 Recovery = 101.90%								
Fe 273.955	835424.0	20340	ug/L	62.8	20340	ug/L	62.8	0.31%
QC value within limits for Fe 273.955 Recovery = 101.70%								
K 766.490	114329.2	20020	ug/L	392.9	20020	ug/L	392.9	1.96%
QC value within limits for K 766.490 Recovery = 100.10%								
Mg 285.213	1989530.2	50750	ug/L	428.4	50750	ug/L	428.4	0.84%
QC value within limits for Mg 285.213 Recovery = 101.51%								
Mn 257.610	87154.1	992.1	ug/L	20.30	992.1	ug/L	20.30	2.05%
QC value within limits for Mn 257.610 Recovery = 99.21%								
Mo 202.031	64501.2	1008	ug/L	4.2	1008	ug/L	4.2	0.41%
QC value within limits for Mo 202.031 Recovery = 100.80%								
Na 589.592	394289.1	25020	ug/L	223.0	25020	ug/L	223.0	0.89%
QC value within limits for Na 589.592 Recovery = 100.10%								
Ni 231.604	93356.1	1021	ug/L	1.9	1021	ug/L	1.9	0.18%
QC value within limits for Ni 231.604 Recovery = 102.15%								
P 213.617	49986.8	4912	ug/L	51.4	4912	ug/L	51.4	1.05%
QC value within limits for P 213.617 Recovery = 98.24%								
Pb 220.353	23056.6	1010	ug/L	12.7	1010	ug/L	12.7	1.26%
QC value within limits for Pb 220.353 Recovery = 101.00%								
Sb 206.836	8724.4	1008	ug/L	5.8	1008	ug/L	5.8	0.58%
QC value within limits for Sb 206.836 Recovery = 100.76%								
Se 196.026	5873.8	992.4	ug/L	4.02	992.4	ug/L	4.02	0.41%
QC value within limits for Se 196.026 Recovery = 99.24%								
Sn 189.927	12324.8	1014	ug/L	6.3	1014	ug/L	6.3	0.62%
QC value within limits for Sn 189.927 Recovery = 101.44%								
Sr 421.552	1372789.9	987.3	ug/L	8.76	987.3	ug/L	8.76	0.89%
QC value within limits for Sr 421.552 Recovery = 98.73%								
Ti 337.279	93952.2	978.8	ug/L	19.04	978.8	ug/L	19.04	1.95%
QC value within limits for Ti 337.279 Recovery = 97.88%								
Tl 190.801	16378.3	1050	ug/L	5.2	1050	ug/L	5.2	0.49%
QC value within limits for Tl 190.801 Recovery = 104.96%								
V 292.402	353519.2	1035	ug/L	3.6	1035	ug/L	3.6	0.35%
QC value within limits for V 292.402 Recovery = 103.48%								
Zn 206.200	176511.4	1022	ug/L	2.7	1022	ug/L	2.7	0.26%
QC value within limits for Zn 206.200 Recovery = 102.24%								

All analyte(s) passed QC.

Sequence No.: 35
Sample ID: CCB 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/01/12 6:13:03 PM
Data Type: Reprocessed on 03/02/12 9:44:32 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-29.8	-0.170	ug/L	0.2600	-0.170	ug/L	0.2600	153.10%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-116.7	-53.66	ug/L	28.532	-53.66	ug/L	28.532	53.17%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-4.6	-0.643	ug/L	0.5509	-0.643	ug/L	0.5509	85.73%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-7.1	-1.026	ug/L	0.9832	-1.026	ug/L	0.9832	95.80%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	1.6	0.006	ug/L	0.0554	0.006	ug/L	0.0554	928.03%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	899.4	0.119	ug/L	0.0147	0.119	ug/L	0.0147	12.38%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	84.8	4.259	ug/L	0.9187	4.259	ug/L	0.9187	21.57%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-76.7	-0.135	ug/L	0.0057	-0.135	ug/L	0.0057	4.20%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	-18.9	-0.171	ug/L	0.1802	-0.171	ug/L	0.1802	105.27%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-42.7	-0.227	ug/L	0.1232	-0.227	ug/L	0.1232	54.31%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	51.3	0.276	ug/L	0.5225	0.276	ug/L	0.5225	189.07%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-50.7	-1.231	ug/L	0.5301	-1.231	ug/L	0.5301	43.05%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	177.9	31.22	ug/L	19.067	31.22	ug/L	19.067	61.08%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	-7.0	-0.176	ug/L	0.3668	-0.176	ug/L	0.3668	208.84%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	-259.7	-2.964	ug/L	0.1092	-2.964	ug/L	0.1092	3.69%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-18.6	-0.291	ug/L	0.2692	-0.291	ug/L	0.2692	92.64%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	360.2	22.90	ug/L	4.819	22.90	ug/L	4.819	21.05%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-5.2	-0.056	ug/L	0.1183	-0.056	ug/L	0.1183	209.36%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-10.4	-1.025	ug/L	0.6622	-1.025	ug/L	0.6622	64.58%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	-2.5	-0.110	ug/L	0.3629	-0.110	ug/L	0.3629	329.75%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-3.2	-0.366	ug/L	0.3969	-0.366	ug/L	0.3969	108.39%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-4.8	-0.812	ug/L	0.9685	-0.812	ug/L	0.9685	119.25%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	-6.1	-0.502	ug/L	0.2251	-0.502	ug/L	0.2251	44.82%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	-262.8	-0.189	ug/L	0.0113	-0.189	ug/L	0.0113	5.98%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-11.9	-0.125	ug/L	0.2832	-0.125	ug/L	0.2832	227.20%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	17.2	1.065	ug/L	0.7345	1.065	ug/L	0.7345	68.95%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-26.7	-0.083	ug/L	0.1376	-0.083	ug/L	0.1376	164.89%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	55.8	0.321	ug/L	0.0795	0.321	ug/L	0.0795	24.77%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 45
Sample ID: CCV2 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 03/01/12 7:07:24 PM
Data Type: Reprocessed on 03/02/12 9:44:42 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV2 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	67024.4	381.3	ug/L	3.00	381.3	ug/L	3.00	0.79%
QC value within limits for Ag 338.289 Recovery = 101.68%								
Al 308.215	32479.1	14940	ug/L	107.2	14940	ug/L	107.2	0.72%
QC value within limits for Al 308.215 Recovery = 99.58%								
As 188.979	5322.1	743.3	ug/L	12.05	743.3	ug/L	12.05	1.62%
QC value within limits for As 188.979 Recovery = 99.10%								
B	5354.3	824.4	ug/L	3.44	824.4	ug/L	3.44	0.42%
QC value within limits for B Recovery = 109.91%								
Ba 233.527	218221.2	778.0	ug/L	4.17	778.0	ug/L	4.17	0.54%
QC value within limits for Ba 233.527 Recovery = 103.74%								
Be 313.107	5815534.8	773.2	ug/L	9.49	773.2	ug/L	9.49	1.23%
QC value within limits for Be 313.107 Recovery = 103.09%								
Ca 315.887	768923.5	38360	ug/L	120.7	38360	ug/L	120.7	0.31%
QC value within limits for Ca 315.887 Recovery = 102.29%								
Cd 214.440	449195.9	784.5	ug/L	4.74	784.5	ug/L	4.74	0.60%
QC value within limits for Cd 214.440 Recovery = 104.60%								
Co 228.616	86334.4	780.4	ug/L	5.79	780.4	ug/L	5.79	0.74%
QC value within limits for Co 228.616 Recovery = 104.05%								
Cr 267.716	144542.8	775.1	ug/L	6.37	775.1	ug/L	6.37	0.82%
QC value within limits for Cr 267.716 Recovery = 103.35%								
Cu 327.393	141595.5	762.9	ug/L	4.34	762.9	ug/L	4.34	0.57%
QC value within limits for Cu 327.393 Recovery = 101.71%								
Fe 273.955	636956.9	15510	ug/L	100.5	15510	ug/L	100.5	0.65%
QC value within limits for Fe 273.955 Recovery = 103.39%								
K 766.490	85231.0	14920	ug/L	72.7	14920	ug/L	72.7	0.49%
QC value within limits for K 766.490 Recovery = 99.49%								
Mg 285.213	1519603.5	38770	ug/L	150.2	38770	ug/L	150.2	0.39%
QC value within limits for Mg 285.213 Recovery = 103.37%								
Mn 257.610	68181.2	776.2	ug/L	2.63	776.2	ug/L	2.63	0.34%
QC value within limits for Mn 257.610 Recovery = 103.49%								
Mo 202.031	49002.3	765.8	ug/L	9.92	765.8	ug/L	9.92	1.30%
QC value within limits for Mo 202.031 Recovery = 102.10%								
Na 589.592	292913.0	18590	ug/L	83.4	18590	ug/L	83.4	0.45%
QC value within limits for Na 589.592 Recovery = 99.14%								
Ni 231.604	71250.6	779.6	ug/L	5.25	779.6	ug/L	5.25	0.67%
QC value within limits for Ni 231.604 Recovery = 103.95%								
P 213.617	38694.5	3802	ug/L	60.8	3802	ug/L	60.8	1.60%
QC value within limits for P 213.617 Recovery = 101.40%								
Pb 220.353	18093.0	792.6	ug/L	13.28	792.6	ug/L	13.28	1.68%
QC value within limits for Pb 220.353 Recovery = 105.68%								
Sb 206.836	6597.2	761.9	ug/L	9.46	761.9	ug/L	9.46	1.24%
QC value within limits for Sb 206.836 Recovery = 101.59%								
Se 196.026	4606.1	778.2	ug/L	7.24	778.2	ug/L	7.24	0.93%
QC value within limits for Se 196.026 Recovery = 103.76%								
Sn 189.927	9443.5	777.3	ug/L	12.36	777.3	ug/L	12.36	1.59%
QC value within limits for Sn 189.927 Recovery = 103.64%								
Sr 421.552	1024127.5	736.5	ug/L	2.65	736.5	ug/L	2.65	0.36%
QC value within limits for Sr 421.552 Recovery = 98.20%								
Ti 337.279	71727.1	747.3	ug/L	2.18	747.3	ug/L	2.18	0.29%
QC value within limits for Ti 337.279 Recovery = 99.63%								
Tl 190.801	12563.8	805.1	ug/L	6.73	805.1	ug/L	6.73	0.84%
QC value within limits for Tl 190.801 Recovery = 107.35%								
V 292.402	266822.6	781.1	ug/L	4.93	781.1	ug/L	4.93	0.63%
QC value within limits for V 292.402 Recovery = 104.15%								
Zn 206.200	135948.8	787.4	ug/L	5.21	787.4	ug/L	5.21	0.66%
QC value within limits for Zn 206.200 Recovery = 104.99%								

All analyte(s) passed QC.

Sequence No.: 46
Sample ID: CCB 120301EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 03/01/12 7:12:05 PM
Data Type: Reprooessed on 03/02/12 9:44:43 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120301EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-46.5	-0.265	ug/L	0.3609	-0.265	ug/L	0.3609	136.31%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-196.2	-90.25	ug/L	8.171	-90.25	ug/L	8.171	9.05%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-0.5	-0.072	ug/L	0.7065	-0.072	ug/L	0.7065	987.26%
QC value within limits for As 188.979 Recovery = Not calculated								
B	6.3	0.871	ug/L	0.9628	0.871	ug/L	0.9628	110.54%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-12.8	-0.044	ug/L	0.1001	-0.044	ug/L	0.1001	226.43%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	615.8	0.081	ug/L	0.0428	0.081	ug/L	0.0428	52.66%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	284.0	14.25	ug/L	3.460	14.25	ug/L	3.460	24.28%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-52.8	-0.092	ug/L	0.0192	-0.092	ug/L	0.0192	20.76%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	4.4	0.042	ug/L	0.3061	0.042	ug/L	0.3061	737.44%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	3.5	0.023	ug/L	0.2291	0.023	ug/L	0.2291	>999.9%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	233.4	1.256	ug/L	0.5054	1.256	ug/L	0.5054	40.24%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-420.7	-10.32	ug/L	0.312	-10.32	ug/L	0.312	3.02%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	380.4	66.72	ug/L	38.538	66.72	ug/L	38.538	57.76%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	-12.5	-0.314	ug/L	0.9018	-0.314	ug/L	0.9018	286.85%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	-428.0	-4.885	ug/L	0.0601	-4.885	ug/L	0.0601	1.23%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	6.3	0.097	ug/L	0.2539	0.097	ug/L	0.2539	263.08%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	374.5	23.80	ug/L	7.153	23.80	ug/L	7.153	30.06%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-11.0	-0.120	ug/L	0.1042	-0.120	ug/L	0.1042	87.13%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	6.1	0.598	ug/L	0.4729	0.598	ug/L	0.4729	79.07%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	-2.8	-0.124	ug/L	0.3017	-0.124	ug/L	0.3017	243.29%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	0.5	0.053	ug/L	1.0253	0.053	ug/L	1.0253	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	1.9	0.329	ug/L	0.5437	0.329	ug/L	0.5437	165.50%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	-2.8	-0.230	ug/L	0.2780	-0.230	ug/L	0.2780	120.73%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	-155.0	-0.111	ug/L	0.1571	-0.111	ug/L	0.1571	141.07%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-13.1	-0.137	ug/L	0.1994	-0.137	ug/L	0.1994	145.31%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	9.2	0.544	ug/L	0.3797	0.544	ug/L	0.3797	69.84%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-23.6	-0.064	ug/L	0.2848	-0.064	ug/L	0.2848	441.95%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-56.5	-0.325	ug/L	0.1855	-0.325	ug/L	0.1855	57.06%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Reprocessing Begun
Logged In Analyst: chemist_metals Technique: ICP Continuous

Results Data Set (original): 120306B6010X
Results Library (original): C:\PE\chemist\RESULTS\Results.mdb
Results Data Set (reprocessed):
Results Library (reprocessed):

Sequence No.: 1
Sample ID: CalBlk 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/06/12 2:43:44 PM
Data Type: Reprocessed on 03/07/12 2:12:06 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CalBlk 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	-34.5	75.31	218.36%	[0.00]	ug/L
Al 308.215	225.0	5.57	2.48%	[0.00]	ug/L
As 188.979	-0.1	2.27	>999.9%	[0.00]	ug/L
B	57.3	4.14	7.22%	[0.00]	ug/L
Ba 233.527	219.5	7.26	3.31%	[0.00]	ug/L
Be 313.107	-9357.1	98.30	1.05%	[0.00]	ug/L
Ca 315.887	471.4	24.54	5.21%	[0.00]	ug/L
Cd 214.440	603.6	14.36	2.38%	[0.00]	ug/L
Co 228.616	128.2	21.53	16.78%	[0.00]	ug/L
Cr 267.716	1076.6	23.06	2.14%	[0.00]	ug/L
Cu 327.393	-166.0	25.00	15.06%	[0.00]	ug/L
Fe 273.955	369.6	297.63	80.52%	[0.00]	ug/L
K 766.490	-621.3	114.69	18.46%	[0.00]	ug/L
Mg 285.213	-294.8	16.48	5.59%	[0.00]	ug/L
Mn 257.610	-90.4	4.41	4.88%	[0.00]	ug/L
Mo 202.031	178.1	17.19	9.65%	[0.00]	ug/L
Na 589.592	-98.4	155.14	157.64%	[0.00]	ug/L
Ni 231.604	-214.9	11.57	5.38%	[0.00]	ug/L
P 213.617	-16.3	4.28	26.25%	[0.00]	ug/L
Pb 220.353	-25.6	12.46	48.61%	[0.00]	ug/L
Sb 206.836	15.1	2.77	18.35%	[0.00]	ug/L
Se 196.026	-13.5	3.11	22.99%	[0.00]	ug/L
Sn 189.927	203.8	2.68	1.31%	[0.00]	ug/L
Sr 421.552	1818.4	292.59	16.09%	[0.00]	ug/L
Ti 337.279	-712.0	8.58	1.20%	[0.00]	ug/L
Tl 190.801	-177.7	6.58	3.70%	[0.00]	ug/L
V 292.402	-247.6	120.13	48.52%	[0.00]	ug/L
Zn 206.200	99.6	3.02	3.04%	[0.00]	ug/L

Sequence No.: 2
Sample ID: STD 1 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 03/06/12 2:48:34 PM
Data Type: Reprocessed on 03/07/12 2:12:07 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 1 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	99.1	20.24	20.43%	[1.00]	ug/L
Al 308.215	252.9	15.49	6.12%	[100.00]	ug/L
As 188.979	14.1	4.17	29.64%	[3.50]	ug/L
B	304.8	12.20	4.00%	[50.00]	ug/L
Ba 233.527	1381.4	16.34	1.18%	[5.00]	ug/L
Be 313.107	14538.9	212.66	1.46%	[2.00]	ug/L
Ca 315.887	2389.9	44.69	1.87%	[100.00]	ug/L
Cd 214.440	2867.1	37.50	1.31%	[5.00]	ug/L
Co 228.616	583.6	32.89	5.64%	[5.00]	ug/L
Cr 267.716	1036.7	10.59	1.02%	[5.00]	ug/L
Cu 327.393	645.3	41.34	6.41%	[5.00]	ug/L
Fe 273.955	2117.7	10.80	0.51%	[50.00]	ug/L
K 766.490	4185.3	323.92	7.74%	[1000.00]	ug/L
Mg 285.213	2504.3	22.74	0.91%	[50]	ug/L
Mn 257.610	441.1	6.26	1.42%	[5.00]	ug/L
Mo 202.031	271.7	18.43	6.78%	[5.00]	ug/L
Na 589.592	12593.0	285.97	2.27%	[1000.00]	ug/L
Ni 231.604	507.5	12.51	2.47%	[5.00]	ug/L
P 213.617	209.3	7.82	3.74%	[25.00]	ug/L
Pb 220.353	81.6	12.68	15.54%	[3.00]	ug/L
Sb 206.836	28.9	2.90	10.05%	[5.00]	ug/L
Se 196.026	30.7	14.69	47.93%	[5.00]	ug/L
Sn 189.927	13.3	1.10	8.29%	[5.00]	ug/L
Sr 421.552	5725.9	134.84	2.35%	[5.00]	ug/L
Ti 337.279	234.5	18.67	7.96%	[5.00]	ug/L
Tl 190.801	85.7	7.31	8.53%	[5.00]	ug/L
V 292.402	1501.6	85.33	5.68%	[5.00]	ug/L
Zn 206.200	3525.7	9.52	0.27%	[20.00]	ug/L

Sequence No.: 3
Sample ID: STD 2 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/06/12 2:53:31 PM
Data Type: Reprocessed on 03/07/12 2:12:08 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 2 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	75954.2	432.16	0.57%	[500.0]	ug/L
Al 308.215	46191.1	183.47	0.40%	[20000.00]	ug/L
As 188.979	5111.4	59.04	1.16%	[1000.00]	ug/L
B	5997.8	40.60	0.68%	[1000.00]	ug/L
Ba 233.527	240357.1	618.12	0.26%	[1000.00]	ug/L
Be 313.107	6339738.5	19569.08	0.31%	[1000.00]	ug/L
Ca 315.887	876316.2	3805.25	0.43%	[50000]	ug/L
Cd 214.440	489698.5	1978.05	0.40%	[1000.00]	ug/L
Co 228.616	93622.7	330.38	0.35%	[1000.00]	ug/L
Cr 267.716	162794.9	511.69	0.31%	[1000.00]	ug/L
Cu 327.393	116564.7	583.02	0.50%	[1000.00]	ug/L
Fe 273.955	693249.9	2491.83	0.36%	[20000]	ug/L
K 766.490	80924.7	335.98	0.42%	[20000]	ug/L
Mg 285.213	1662789.8	5508.81	0.33%	[50000]	ug/L
Mn 257.610	76381.7	372.59	0.49%	[1000.00]	ug/L
Mo 202.031	54286.5	683.08	1.26%	[1000.00]	ug/L
Na 589.592	289627.2	922.67	0.32%	[25000]	ug/L
Ni 231.604	78134.7	343.37	0.44%	[1000.00]	ug/L
P 213.617	41439.2	751.17	1.81%	[5000]	ug/L
Pb 220.353	20037.6	339.71	1.70%	[1000.00]	ug/L
Sb 206.836	7161.2	79.25	1.11%	[1000.00]	ug/L
Se 196.026	4894.4	126.43	2.58%	[1000.00]	ug/L
Sn 189.927	10471.0	133.71	1.28%	[1000.00]	ug/L
Sr 421.552	1020493.2	3807.76	0.37%	[1000.00]	ug/L
Ti 337.279	76440.4	268.75	0.35%	[1000.00]	ug/L
Tl 190.801	13510.5	216.10	1.60%	[1000.00]	ug/L
V 292.402	299684.0	1331.52	0.44%	[1000.00]	ug/L
Zn 206.200	145989.3	623.08	0.43%	[1000.00]	ug/L

Sequence No.: 4
Sample ID: STD 3 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 03/06/12 2:56:43 PM
Data Type: Reprocessed on 03/07/12 2:12:10 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 3 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	147667.0	1334.72	0.90%	[1000.00]	ug/L
Al 308.215	89982.4	329.62	0.37%	[40000.00]	ug/L
As 188.979	9855.1	77.67	0.79%	[2000.00]	ug/L
B	11756.7	91.42	0.78%	[2000.00]	ug/L
Ba 233.527	459176.6	3666.64	0.80%	[2000.00]	ug/L
Be 313.107	12135630.0	138636.20	1.14%	[2000.00]	ug/L
Ca 315.887	1720958.3	16028.85	0.93%	[100000.0]	ug/L
Cd 214.440	924198.6	8227.99	0.89%	[2000.00]	ug/L
Co 228.616	177425.4	1602.15	0.90%	[2000.00]	ug/L
Cr 267.716	312055.8	2486.57	0.80%	[2000.00]	ug/L
Cu 327.393	226495.8	2201.67	0.97%	[2000.00]	ug/L
Fe 273.955	1312960.6	11180.20	0.85%	[40000]	ug/L
K 766.490	161949.1	396.80	0.25%	[40000]	ug/L
Mg 285.213	3221531.9	29082.80	0.90%	[100000]	ug/L
Mn 257.610	148164.1	412.75	0.28%	[2000.00]	ug/L
Mo 202.031	101952.2	784.07	0.77%	[2000.00]	ug/L
Na 589.592	571318.4	4739.84	0.83%	[50000]	ug/L
Ni 231.604	147918.0	1290.35	0.87%	[2000.00]	ug/L
P 213.617	78181.5	739.05	0.95%	[10000]	ug/L
Pb 220.353	37510.0	289.39	0.77%	[2000.00]	ug/L
Sb 206.836	13676.3	60.09	0.44%	[2000.00]	ug/L
Se 196.026	9299.1	82.39	0.89%	[2000.00]	ug/L
Sn 189.927	20123.7	62.16	0.31%	[2000.00]	ug/L
Sr 421.552	2017882.2	16760.60	0.83%	[2000.00]	ug/L
Ti 337.279	150287.8	680.06	0.45%	[2000.00]	ug/L
Tl 190.801	25234.3	45.95	0.18%	[2000.00]	ug/L
V 292.402	580068.5	4986.17	0.86%	[2000.00]	ug/L
Zn 206.200	276292.8	2495.52	0.90%	[2000.00]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 338.289	3	Lin Thru 0	0.0	148.5	0.00000	0.999935	
Al 308.215	3	Lin Thru 0	0.0	2.262	0.00000	0.999944	
As 188.979	3	Lin Thru 0	0.0	4.964	0.00000	0.999890	
B	3	Lin Thru 0	0.0	5.902	0.00000	0.999967	
Ba 233.527	3	Lin Thru 0	0.0	231.7	0.00000	0.999827	
Be 313.107	3	Lin Thru 0	0.0	6122	0.00000	0.999842	
Ca 315.887	3	Lin Thru 0	0.0	17.27	0.00000	0.999973	
Cd 214.440	3	Lin Thru 0	0.0	467.6	0.00000	0.999721	
Co 228.616	3	Lin Thru 0	0.0	89.69	0.00000	0.999760	
Cr 267.716	3	Lin Thru 0	0.0	157.4	0.00000	0.999852	
Cu 327.393	3	Lin Thru 0	0.0	113.9	0.00000	0.999932	
Fe 273.955	3	Lin Thru 0	0.0	33.19	0.00000	0.999755	
K 766.490	3	Lin Thru 0	0.0	4.048	0.00000	1.000000	
Mg 285.213	3	Lin Thru 0	0.0	32.42	0.00000	0.999918	
Mn 257.610	3	Lin Thru 0	0.0	74.54	0.00000	0.999924	
Mo 202.031	3	Lin Thru 0	0.0	51.64	0.00000	0.999671	
Na 589.592	3	Lin Thru 0	0.0	11.46	0.00000	0.999983	
Ni 231.604	3	Lin Thru 0	0.0	74.79	0.00000	0.999750	
P 213.617	3	Lin Thru 0	0.0	7.912	0.00000	0.999718	
Pb 220.353	3	Lin Thru 0	0.0	19.01	0.00000	0.999636	
Sb 206.836	3	Lin Thru 0	0.0	6.903	0.00000	0.999825	
Se 196.026	3	Lin Thru 0	0.0	4.699	0.00000	0.999783	
Sn 189.927	3	Lin Thru 0	0.0	10.14	0.00000	0.999869	
Sr 421.552	3	Lin Thru 0	0.0	1011	0.00000	0.999990	
Ti 337.279	3	Lin Thru 0	0.0	75.40	0.00000	0.999976	
Tl 190.801	3	Lin Thru 0	0.0	12.80	0.00000	0.999610	

V 292.402	3	Lin Thru 0	0.0	292.0	0.00000	0.999913
Zn 206.200	3	Lin Thru 0	0.0	139.7	0.00000	0.999745

Sequence No.: 5
Sample ID: ICV 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 03/06/12 3:01:29 PM
Data Type: Reprocessed on 03/07/12 2:12:11 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 338.289	72256.9	486.5 ug/L	2.28	486.5 ug/L	2.28	0.47%
QC value within limits for Ag 338.289 Recovery = 97.31%						
Al 308.215	56759.1	25010 ug/L	136.8	25010 ug/L	136.8	0.55%
QC value within limits for Al 308.215 Recovery = 100.03%						
As 188.979	4763.0	959.5 ug/L	8.10	959.5 ug/L	8.10	0.84%
QC value within limits for As 188.979 Recovery = 95.95%						
B	5629.2	1040 ug/L	12.5	1040 ug/L	12.5	1.21%
QC value within limits for B Recovery = 103.97%						
Ba 233.527	230439.5	990.4 ug/L	5.04	990.4 ug/L	5.04	0.51%
QC value within limits for Ba 233.527 Recovery = 99.04%						
Be 313.107	6147473.3	1008 ug/L	5.0	1008 ug/L	5.0	0.49%
QC value within limits for Be 313.107 Recovery = 100.78%						
Ca 315.887	428150.7	24690 ug/L	198.6	24690 ug/L	198.6	0.80%
QC value within limits for Ca 315.887 Recovery = 98.74%						
Cd 214.440	489332.4	1045 ug/L	7.6	1045 ug/L	7.6	0.73%
QC value within limits for Cd 214.440 Recovery = 104.54%						
Co 228.616	95867.0	1067 ug/L	6.4	1067 ug/L	6.4	0.60%
QC value within limits for Co 228.616 Recovery = 106.71%						
Cr 267.716	165190.1	1050 ug/L	5.4	1050 ug/L	5.4	0.52%
QC value within limits for Cr 267.716 Recovery = 104.97%						
Cu 327.393	114066.1	1001 ug/L	2.1	1001 ug/L	2.1	0.21%
QC value within limits for Cu 327.393 Recovery = 100.14%						
Fe 273.955	846213.1	25340 ug/L	157.5	25340 ug/L	157.5	0.62%
QC value within limits for Fe 273.955 Recovery = 101.37%						
K 766.490	96669.0	23850 ug/L	181.3	23850 ug/L	181.3	0.76%
QC value within limits for K 766.490 Recovery = 95.40%						
Mg 285.213	806117.9	24840 ug/L	158.9	24840 ug/L	158.9	0.64%
QC value within limits for Mg 285.213 Recovery = 99.36%						
Mn 257.610	78479.3	1052 ug/L	3.8	1052 ug/L	3.8	0.36%
QC value within limits for Mn 257.610 Recovery = 105.16%						
Mo 202.031	50275.7	975.2 ug/L	5.66	975.2 ug/L	5.66	0.58%
QC value within limits for Mo 202.031 Recovery = 97.52%						
Na 589.592	278566.5	24280 ug/L	186.2	24280 ug/L	186.2	0.77%
QC value within limits for Na 589.592 Recovery = 97.12%						
Ni 231.604	79967.6	1066 ug/L	5.0	1066 ug/L	5.0	0.47%
QC value within limits for Ni 231.604 Recovery = 106.58%						
P 213.617	39189.9	4953 ug/L	45.1	4953 ug/L	45.1	0.91%
QC value within limits for P 213.617 Recovery = 99.06%						
Pb 220.353	19762.1	1039 ug/L	6.3	1039 ug/L	6.3	0.61%
QC value within limits for Pb 220.353 Recovery = 103.95%						
Sb 206.836	6956.7	1008 ug/L	9.0	1008 ug/L	9.0	0.89%
QC value within limits for Sb 206.836 Recovery = 100.78%						
Se 196.026	4824.4	1027 ug/L	22.3	1027 ug/L	22.3	2.17%
QC value within limits for Se 196.026 Recovery = 102.68%						
Sn 189.927	5316.3	524.1 ug/L	6.14	524.1 ug/L	6.14	1.17%
QC value within limits for Sn 189.927 Recovery = 104.82%						
Sr 421.552	991996.0	980.3 ug/L	7.04	980.3 ug/L	7.04	0.72%
QC value within limits for Sr 421.552 Recovery = 98.03%						
Ti 337.279	74059.7	981.1 ug/L	6.14	981.1 ug/L	6.14	0.63%
QC value within limits for Ti 337.279 Recovery = 98.11%						
Tl 190.801	13109.8	1043 ug/L	7.0	1043 ug/L	7.0	0.67%
QC value within limits for Tl 190.801 Recovery = 104.31%						
V 292.402	291329.9	1016 ug/L	5.6	1016 ug/L	5.6	0.56%
QC value within limits for V 292.402 Recovery = 101.59%						
Zn 206.200	147889.8	1063 ug/L	7.8	1063 ug/L	7.8	0.74%
QC value within limits for Zn 206.200 Recovery = 106.31%						

All analyte(s) passed QC.

Sequence No.: 6
Sample ID: ICB 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/06/12 3:06:12 PM
Data Type: Reprocessed on 03/07/12 2:12:12 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-18.0	-0.121	ug/L	0.2492	-0.121	ug/L	0.2492	205.97%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	6.7	2.981	ug/L	3.9996	2.981	ug/L	3.9996	134.16%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	0.6	0.127	ug/L	0.4080	0.127	ug/L	0.4080	321.97%
QC value within limits for As 188.979 Recovery = Not calculated								
B	52.4	8.872	ug/L	0.0408	8.872	ug/L	0.0408	0.46%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	11.0	0.048	ug/L	0.0969	0.048	ug/L	0.0969	200.04%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	-290.6	-0.048	ug/L	0.0699	-0.048	ug/L	0.0699	145.64%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	1.1	0.071	ug/L	0.2589	0.071	ug/L	0.2589	367.03%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	27.1	0.058	ug/L	0.0114	0.058	ug/L	0.0114	19.43%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	-15.1	-0.168	ug/L	0.3570	-0.168	ug/L	0.3570	212.90%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	34.6	0.220	ug/L	0.0283	0.220	ug/L	0.0283	12.87%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	-11.1	-0.097	ug/L	0.1405	-0.097	ug/L	0.1405	144.25%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-168.9	-5.102	ug/L	0.7105	-5.102	ug/L	0.7105	13.93%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	38.8	9.580	ug/L	49.7762	9.580	ug/L	49.7762	519.60%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	18.1	0.559	ug/L	0.2660	0.559	ug/L	0.2660	47.59%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	17.0	0.228	ug/L	0.1952	0.228	ug/L	0.1952	85.73%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	12.5	0.242	ug/L	0.0664	0.242	ug/L	0.0664	27.37%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	-20.5	-1.787	ug/L	13.3965	-1.787	ug/L	13.3965	749.55%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	28.0	0.374	ug/L	0.0748	0.374	ug/L	0.0748	20.01%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	9.7	1.221	ug/L	0.4207	1.221	ug/L	0.4207	34.46%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	19.6	1.033	ug/L	0.7683	1.033	ug/L	0.7683	74.35%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	1.6	0.231	ug/L	0.5070	0.231	ug/L	0.5070	219.34%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	2.0	0.424	ug/L	3.6599	0.424	ug/L	3.6599	863.46%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	12.2	1.202	ug/L	0.1685	1.202	ug/L	0.1685	14.01%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	148.0	0.146	ug/L	0.0521	0.146	ug/L	0.0521	35.58%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-11.6	-0.154	ug/L	0.4785	-0.154	ug/L	0.4785	309.80%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	15.7	1.224	ug/L	0.4917	1.224	ug/L	0.4917	40.16%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	34.8	0.126	ug/L	0.3957	0.126	ug/L	0.3957	312.87%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-53.1	-0.378	ug/L	0.0696	-0.378	ug/L	0.0696	18.42%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICSA 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metale
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 03/06/12 3:15:58 PM
Data Type: Reproceesed on 03/07/12 2:12:14 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-1.4	-0.010	ug/L	0.4300	-0.010	ug/L	0.4300	>999.9%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	442418.5	195100	ug/L	868.6	195100	ug/L	868.6	0.45%
QC value within limits for Al 308.215 Recovery = 97.54%								
As 188.979	9.2	1.856	ug/L	0.6333	1.856	ug/L	0.6333	34.13%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-3799.2	-31.76	ug/L	6.371	-31.76	ug/L	6.371	20.06%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	8122.6	1.103	ug/L	0.5804	1.103	ug/L	0.5804	52.64%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	17987.6	-0.122	ug/L	0.0448	-0.122	ug/L	0.0448	36.82%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	3397500.2	196100	ug/L	1115.6	196100	ug/L	1115.6	0.57%
QC value within limits for Ca 315.887 Recovery = 98.07%								
Cd 214.440	5828.3	-0.498	ug/L	0.1443	-0.498	ug/L	0.1443	28.98%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	837.7	-0.147	ug/L	0.3192	-0.147	ug/L	0.3192	217.34%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	1029.0	-0.734	ug/L	0.0935	-0.734	ug/L	0.0935	12.74%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	-205.0	-1.800	ug/L	0.2708	-1.800	ug/L	0.2708	15.05%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	6123696.9	184100	ug/L	569.8	184100	ug/L	569.8	0.31%
QC value within limits for Fe 273.955 Recovery = 92.03%								
K 766.490	642.5	48.76	ug/L	24.103	48.76	ug/L	24.103	49.43%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	6191783.6	190800	ug/L	689.6	190800	ug/L	689.6	0.36%
QC value within limits for Mg 285.213 Recovery = 95.42%								
Mn 257.610	660.2	0.017	ug/L	0.2180	0.017	ug/L	0.2180	>999.9%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-386.7	0.180	ug/L	0.5268	0.180	ug/L	0.5268	292.30%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	1726.3	-14.73	ug/L	7.099	-14.73	ug/L	7.099	48.18%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	717.5	0.425	ug/L	0.6501	0.425	ug/L	0.6501	153.13%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	79.4	10.03	ug/L	0.754	10.03	ug/L	0.754	7.51%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	28.3	1.486	ug/L	0.6141	1.486	ug/L	0.6141	41.32%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-10.7	-1.547	ug/L	0.4927	-1.547	ug/L	0.4927	31.84%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	29.7	6.313	ug/L	0.8112	6.313	ug/L	0.8112	12.85%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	8.6	0.846	ug/L	0.0115	0.846	ug/L	0.0115	1.36%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	4861.5	-0.311	ug/L	0.2388	-0.311	ug/L	0.2388	76.73%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	643.9	1.641	ug/L	1.3793	1.641	ug/L	1.3793	84.07%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	12.9	-0.984	ug/L	1.1001	-0.984	ug/L	1.1001	111.78%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	12826.0	-0.843	ug/L	0.4576	-0.843	ug/L	0.4576	54.29%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	2866.5	-0.263	ug/L	0.2353	-0.263	ug/L	0.2353	89.33%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSAB 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 03/06/12 3:22:01 PM
Data Type: Reprocessed on 03/07/12 2:12:15 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	138016.0	929.3	ug/L	6.66	929.3	ug/L	6.66	0.72%
QC value within limits for Ag 338.289 Recovery = 92.93%								
Al 308.215	454942.0	200600	ug/L	2989.0	200600	ug/L	2989.0	1.49%
QC value within limits for Al 308.215 Recovery = 100.31%								
As 188.979	2391.7	481.8	ug/L	4.84	481.8	ug/L	4.84	1.01%
QC value within limits for As 188.979 Recovery = 96.36%								
B	-3773.9	-33.25	ug/L	10.299	-33.25	ug/L	10.299	30.97%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	116188.5	468.1	ug/L	3.06	468.1	ug/L	3.06	0.65%
QC value within limits for Ba 233.527 Recovery = 93.62%								
Be 313.107	2979883.6	483.7	ug/L	4.18	483.7	ug/L	4.18	0.86%
QC value within limits for Be 313.107 Recovery = 96.74%								
Ca 315.887	3419211.0	197400	ug/L	3381.4	197400	ug/L	3381.4	1.71%
QC value within limits for Ca 315.887 Recovery = 98.70%								
Cd 214.440	446707.9	942.7	ug/L	8.74	942.7	ug/L	8.74	0.93%
QC value within limits for Cd 214.440 Recovery = 94.27%								
Co 228.616	45021.9	493.5	ug/L	4.98	493.5	ug/L	4.98	1.01%
QC value within limits for Co 228.616 Recovery = 98.69%								
Cr 267.716	77934.0	488.4	ug/L	3.08	488.4	ug/L	3.08	0.63%
QC value within limits for Cr 267.716 Recovery = 97.68%								
Cu 327.393	56534.5	496.3	ug/L	5.18	496.3	ug/L	5.18	1.04%
QC value within limits for Cu 327.393 Recovery = 99.26%								
Fe 273.955	6057432.1	182000	ug/L	1480.5	182000	ug/L	1480.5	0.81%
QC value within limits for Fe 273.955 Recovery = 91.01%								
K 766.490	751.0	70.19	ug/L	43.609	70.19	ug/L	43.609	62.13%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	6187759.7	190700	ug/L	2764.2	190700	ug/L	2764.2	1.45%
QC value within limits for Mg 285.213 Recovery = 95.35%								
Mn 257.610	38554.1	508.3	ug/L	6.87	508.3	ug/L	6.87	1.35%
QC value within limits for Mn 257.610 Recovery = 101.66%								
Mo 202.031	24066.5	473.8	ug/L	3.98	473.8	ug/L	3.98	0.84%
QC value within limits for Mo 202.031 Recovery = 94.77%								
Na 589.592	2228.2	25.67	ug/L	5.058	25.67	ug/L	5.058	19.70%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	72012.4	952.7	ug/L	9.66	952.7	ug/L	9.66	1.01%
QC value within limits for Ni 231.604 Recovery = 95.27%								
P 213.617	244.3	30.87	ug/L	6.940	30.87	ug/L	6.940	22.48%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	18803.6	989.1	ug/L	10.35	989.1	ug/L	10.35	1.05%
QC value within limits for Pb 220.353 Recovery = 98.91%								
Sb 206.836	3397.6	492.2	ug/L	11.48	492.2	ug/L	11.48	2.33%
QC value within limits for Sb 206.836 Recovery = 98.44%								
Se 196.026	2360.1	502.3	ug/L	3.54	502.3	ug/L	3.54	0.70%
QC value within limits for Se 196.026 Recovery = 100.46%								
Sn 189.927	8.4	0.829	ug/L	1.2542	0.829	ug/L	1.2542	151.24%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	5197.2	-0.004	ug/L	0.1797	-0.004	ug/L	0.1797	>999.9%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	700.3	2.334	ug/L	2.4285	2.334	ug/L	2.4285	104.07%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	6374.0	500.7	ug/L	3.42	500.7	ug/L	3.42	0.68%
QC value within limits for Tl 190.801 Recovery = 100.14%								
V 292.402	149617.0	480.2	ug/L	4.00	480.2	ug/L	4.00	0.83%
QC value within limits for V 292.402 Recovery = 96.03%								
Zn 206.200	134261.7	943.7	ug/L	8.75	943.7	ug/L	8.75	0.93%
QC value within limits for Zn 206.200 Recovery = 94.37%								

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: CCV1 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/06/12 3:25:25 PM
Data Type: Reprocessed on 03/07/12 2:12:16 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	76425.4	514.6	ug/L	2.14	514.6	ug/L	2.14	0.42%
QC value within limits for Ag 338.289 Recovery = 102.92%								
Al 308.215	46542.4	20450	ug/L	210.3	20450	ug/L	210.3	1.03%
QC value within limits for Al 308.215 Recovery = 102.23%								
As 188.979	5143.2	1036	ug/L	9.8	1036	ug/L	9.8	0.94%
QC value within limits for As 188.979 Recovery = 103.60%								
B	5929.3	1080	ug/L	23.5	1080	ug/L	23.5	2.18%
QC value within limits for B Recovery = 107.96%								
Ba 233.527	239768.7	1031	ug/L	4.3	1031	ug/L	4.3	0.42%
QC value within limits for Ba 233.527 Recovery = 103.12%								
Be 313.107	6371589.4	1044	ug/L	7.3	1044	ug/L	7.3	0.70%
QC value within limits for Be 313.107 Recovery = 104.44%								
Ca 315.887	895058.7	51710	ug/L	158.9	51710	ug/L	158.9	0.31%
QC value within limits for Ca 315.887 Recovery = 103.42%								
Cd 214.440	491631.6	1050	ug/L	5.1	1050	ug/L	5.1	0.48%
QC value within limits for Cd 214.440 Recovery = 105.04%								
Co 228.616	93910.4	1045	ug/L	5.3	1045	ug/L	5.3	0.50%
QC value within limits for Co 228.616 Recovery = 104.54%								
Cr 267.716	162800.6	1034	ug/L	5.6	1034	ug/L	5.6	0.54%
QC value within limits for Cr 267.716 Recovery = 103.36%								
Cu 327.393	117242.1	1029	ug/L	3.3	1029	ug/L	3.3	0.32%
QC value within limits for Cu 327.393 Recovery = 102.92%								
Fe 273.955	693988.2	20710	ug/L	101.0	20710	ug/L	101.0	0.49%
QC value within limits for Fe 273.955 Recovery = 103.56%								
K 766.490	82285.0	20280	ug/L	33.6	20280	ug/L	33.6	0.17%
QC value within limits for K 766.490 Recovery = 101.40%								
Mg 285.213	1695490.2	52260	ug/L	110.1	52260	ug/L	110.1	0.21%
QC value within limits for Mg 285.213 Recovery = 104.51%								
Mn 257.610	77271.2	1034	ug/L	15.1	1034	ug/L	15.1	1.46%
QC value within limits for Mn 257.610 Recovery = 103.35%								
Mo 202.031	55012.9	1066	ug/L	7.5	1066	ug/L	7.5	0.70%
QC value within limits for Mo 202.031 Recovery = 106.63%								
Na 589.592	293803.5	25600	ug/L	38.3	25600	ug/L	38.3	0.15%
QC value within limits for Na 589.592 Recovery = 102.39%								
Ni 231.604	78710.3	1049	ug/L	6.2	1049	ug/L	6.2	0.59%
QC value within limits for Ni 231.604 Recovery = 104.86%								
P 213.617	41719.7	5273	ug/L	28.1	5273	ug/L	28.1	0.53%
QC value within limits for P 213.617 Recovery = 105.46%								
Pb 220.353	20257.6	1066	ug/L	6.6	1066	ug/L	6.6	0.62%
QC value within limits for Pb 220.353 Recovery = 106.55%								
Sb 206.836	7205.6	1044	ug/L	6.6	1044	ug/L	6.6	0.64%
QC value within limits for Sb 206.836 Recovery = 104.39%								
Se 196.026	4893.9	1042	ug/L	20.9	1042	ug/L	20.9	2.01%
QC value within limits for Se 196.026 Recovery = 104.16%								
Sn 189.927	10615.6	1047	ug/L	7.8	1047	ug/L	7.8	0.75%
QC value within limits for Sn 189.927 Recovery = 104.65%								
Sr 421.552	1038494.9	1026	ug/L	2.5	1026	ug/L	2.5	0.25%
QC value within limits for Sr 421.552 Recovery = 102.59%								
Ti 337.279	76905.1	1018	ug/L	14.0	1018	ug/L	14.0	1.37%
QC value within limits for Ti 337.279 Recovery = 101.79%								
Tl 190.801	13651.4	1086	ug/L	12.2	1086	ug/L	12.2	1.13%
QC value within limits for Tl 190.801 Recovery = 108.56%								
V 292.402	299565.2	1046	ug/L	4.9	1046	ug/L	4.9	0.47%
QC value within limits for V 292.402 Recovery = 104.62%								
Zn 206.200	146258.5	1050	ug/L	6.0	1050	ug/L	6.0	0.57%
QC value within limits for Zn 206.200 Recovery = 105.03%								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: CCB 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Colleoted: 03/06/12 3:28:52 PM
Data Type: Reprocessed on 03/07/12 2:12:17 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	-65.4	-0.440	ug/L	0.0672	-0.440	ug/L	0.0672	15.27%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-0.7	-0.285	ug/L	7.8539	-0.285	ug/L	7.8539	>999.9%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	1.6	0.331	ug/L	1.2291	0.331	ug/L	1.2291	370.94%
QC value within limits for As 188.979 Recovery = Not calculated								
B	42.8	7.250	ug/L	1.7740	7.250	ug/L	1.7740	24.47%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	8.1	0.036	ug/L	0.0221	0.036	ug/L	0.0221	62.06%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	29.0	0.005	ug/L	0.0273	0.005	ug/L	0.0273	542.35%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	84.4	4.891	ug/L	1.2668	4.891	ug/L	1.2668	25.90%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	23.6	0.051	ug/L	0.0175	0.051	ug/L	0.0175	34.63%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	12.4	0.139	ug/L	0.1339	0.139	ug/L	0.1339	96.66%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	12.5	0.080	ug/L	0.1556	0.080	ug/L	0.1556	195.51%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	24.4	0.214	ug/L	0.8475	0.214	ug/L	0.8475	396.02%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-80.8	-2.453	ug/L	0.3598	-2.453	ug/L	0.3598	14.67%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-74.0	-18.29	ug/L	57.539	-18.29	ug/L	57.539	314.61%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	89.1	2.746	ug/L	0.1639	2.746	ug/L	0.1639	5.97%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	5.0	0.066	ug/L	0.1106	0.066	ug/L	0.1106	166.44%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	0.5	0.009	ug/L	0.3269	0.009	ug/L	0.3269	>999.9%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	-18.2	-1.590	ug/L	6.9316	-1.590	ug/L	6.9316	435.96%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	11.8	0.157	ug/L	0.2578	0.157	ug/L	0.2578	164.10%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	11.9	1.500	ug/L	0.7070	1.500	ug/L	0.7070	47.13%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	11.1	0.586	ug/L	0.2875	0.586	ug/L	0.2875	49.07%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-1.7	-0.249	ug/L	0.4359	-0.249	ug/L	0.4359	174.89%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	0.2	0.044	ug/L	2.7893	0.044	ug/L	2.7893	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	16.6	1.639	ug/L	0.3657	1.639	ug/L	0.3657	22.31%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	123.0	0.122	ug/L	0.1163	0.122	ug/L	0.1163	95.68%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	5.3	0.071	ug/L	0.2071	0.071	ug/L	0.2071	292.05%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	18.3	1.435	ug/L	0.4656	1.435	ug/L	0.4656	32.45%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	58.4	0.201	ug/L	0.0776	0.201	ug/L	0.0776	38.55%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-81.1	-0.580	ug/L	0.1454	-0.580	ug/L	0.1454	25.09%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 41
Sample ID: CCV2 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 03/06/12 5:49:06 PM
Data Type: Reprocessed on 03/07/12 2:12:49 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV2 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	53432.1	359.8	ug/L	2.90	359.8	ug/L	2.90	0.81%
QC value within limits for Ag 338.289 Recovery = 95.94%								
Al 308.215	34404.0	15120	ug/L	125.7	15120	ug/L	125.7	0.83%
QC value within limits for Al 308.215 Recovery = 100.78%								
As 188.979	3623.0	729.8	ug/L	9.60	729.8	ug/L	9.60	1.31%
QC value within limits for As 188.979 Recovery = 97.31%								
B	4377.4	794.3	ug/L	6.10	794.3	ug/L	6.10	0.77%
QC value within limits for B Recovery = 105.90%								
Ba 233.527	168574.2	725.0	ug/L	6.49	725.0	ug/L	6.49	0.90%
QC value within limits for Ba 233.527 Recovery = 96.67%								
Be 313.107	4412530.4	723.4	ug/L	3.54	723.4	ug/L	3.54	0.49%
QC value within limits for Be 313.107 Recovery = 96.46%								
Ca 315.887	644828.2	37250	ug/L	137.8	37250	ug/L	137.8	0.37%
QC value within limits for Ca 315.887 Recovery = 99.34%								
Cd 214.440	339083.5	724.4	ug/L	7.86	724.4	ug/L	7.86	1.08%
QC value within limits for Cd 214.440 Recovery = 96.59%								
Co 228.616	65528.8	729.3	ug/L	6.09	729.3	ug/L	6.09	0.84%
QC value within limits for Co 228.616 Recovery = 97.24%								
Cr 267.716	113919.3	723.1	ug/L	5.57	723.1	ug/L	5.57	0.77%
QC value within limits for Cr 267.716 Recovery = 96.42%								
Cu 327.393	81998.7	719.8	ug/L	7.12	719.8	ug/L	7.12	0.99%
QC value within limits for Cu 327.393 Recovery = 95.98%								
Fe 273.955	484698.5	14460	ug/L	124.7	14460	ug/L	124.7	0.86%
QC value within limits for Fe 273.955 Recovery = 96.41%								
K 766.490	58363.5	14380	ug/L	51.9	14380	ug/L	51.9	0.36%
QC value within limits for K 766.490 Recovery = 95.90%								
Mg 285.213	1250159.4	38530	ug/L	151.2	38530	ug/L	151.2	0.39%
QC value within limits for Mg 285.213 Recovery = 102.75%								
Mn 257.610	56824.0	760.0	ug/L	5.73	760.0	ug/L	5.73	0.75%
QC value within limits for Mn 257.610 Recovery = 101.34%								
Mo 202.031	37275.3	722.5	ug/L	7.74	722.5	ug/L	7.74	1.07%
QC value within limits for Mo 202.031 Recovery = 96.33%								
Na 589.592	205541.9	17910	ug/L	59.3	17910	ug/L	59.3	0.33%
QC value within limits for Na 589.592 Recovery = 95.50%								
Ni 231.604	54660.9	728.1	ug/L	6.94	728.1	ug/L	6.94	0.95%
QC value within limits for Ni 231.604 Recovery = 97.08%								
P 213.617	27352.9	3457	ug/L	31.8	3457	ug/L	31.8	0.92%
QC value within limits for P 213.617 Recovery = 92.19%								
Pb 220.353	14067.8	740.0	ug/L	1.69	740.0	ug/L	1.69	0.23%
QC value within limits for Pb 220.353 Recovery = 98.66%								
Sb 206.836	5042.1	730.5	ug/L	1.27	730.5	ug/L	1.27	0.17%
QC value within limits for Sb 206.836 Recovery = 97.39%								
Se 196.026	3369.2	717.1	ug/L	3.54	717.1	ug/L	3.54	0.49%
QC value within limits for Se 196.026 Recovery = 95.61%								
Sn 189.927	7468.0	736.2	ug/L	1.57	736.2	ug/L	1.57	0.21%
QC value within limits for Sn 189.927 Recovery = 98.16%								
Sr 421.552	741802.3	732.8	ug/L	2.75	732.8	ug/L	2.75	0.38%
QC value within limits for Sr 421.552 Recovery = 97.71%								
Ti 337.279	56312.7	745.4	ug/L	6.86	745.4	ug/L	6.86	0.92%
QC value within limits for Ti 337.279 Recovery = 99.38%								
Tl 190.801	9750.0	775.8	ug/L	1.56	775.8	ug/L	1.56	0.20%
QC value within limits for Tl 190.801 Recovery = 103.43%								
V 292.402	210278.2	733.9	ug/L	5.93	733.9	ug/L	5.93	0.81%
QC value within limits for V 292.402 Recovery = 97.85%								
Zn 206.200	100925.5	724.7	ug/L	7.99	724.7	ug/L	7.99	1.10%
QC value within limits for Zn 206.200 Recovery = 96.63%								

All analyte(s) passed QC.

Sequence No.: 42
Sample ID: CCB 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 03/06/12 5:53:12 PM
Data Type: Reprocessed on 03/07/12 2:12:50 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-33.1	-0.223	ug/L	0.5794	-0.223	ug/L	0.5794	260.37%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-3.4	-1.573	ug/L	10.0991	-1.573	ug/L	10.0991	642.11%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-3.4	-0.689	ug/L	0.8214	-0.689	ug/L	0.8214	119.12%
QC value within limits for As 188.979 Recovery = Not calculated								
B	50.2	8.496	ug/L	1.1166	8.496	ug/L	1.1166	13.14%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-3.9	-0.017	ug/L	0.0616	-0.017	ug/L	0.0616	368.40%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	1229.9	0.200	ug/L	0.0215	0.200	ug/L	0.0215	10.75%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	209.8	12.13	ug/L	2.046	12.13	ug/L	2.046	16.86%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-22.8	-0.049	ug/L	0.0248	-0.049	ug/L	0.0248	50.68%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	-4.5	-0.049	ug/L	0.2746	-0.049	ug/L	0.2746	557.26%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-62.7	-0.400	ug/L	0.1339	-0.400	ug/L	0.1339	33.51%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	43.7	0.384	ug/L	0.5580	0.384	ug/L	0.5580	145.50%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-160.9	-4.840	ug/L	0.3048	-4.840	ug/L	0.3048	6.30%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	106.5	26.30	ug/L	52.332	26.30	ug/L	52.332	199.00%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	78.3	2.405	ug/L	0.3003	2.405	ug/L	0.3003	12.49%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	14.6	0.195	ug/L	0.1201	0.195	ug/L	0.1201	61.63%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-6.1	-0.119	ug/L	0.1624	-0.119	ug/L	0.1624	136.52%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	316.4	27.61	ug/L	17.066	27.61	ug/L	17.066	61.82%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	31.5	0.419	ug/L	0.2987	0.419	ug/L	0.2987	71.22%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	3.2	0.406	ug/L	1.1536	0.406	ug/L	1.1536	283.98%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	11.2	0.589	ug/L	0.2609	0.589	ug/L	0.2609	44.32%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	5.2	0.760	ug/L	0.5768	0.760	ug/L	0.5768	75.95%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-9.1	-1.945	ug/L	1.8569	-1.945	ug/L	1.8569	95.49%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	3.9	0.382	ug/L	0.0586	0.382	ug/L	0.0586	15.35%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	-5.4	-0.005	ug/L	0.1059	-0.005	ug/L	0.1059	>999.9%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-19.6	-0.260	ug/L	0.1069	-0.260	ug/L	0.1069	41.10%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	28.5	2.218	ug/L	0.8810	2.218	ug/L	0.8810	39.71%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-140.2	-0.485	ug/L	0.1369	-0.485	ug/L	0.1369	28.26%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-267.2	-1.916	ug/L	0.0425	-1.916	ug/L	0.0425	2.22%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 53
Sample ID: CCV1 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/06/12 6:50:27 PM
Data Type: Reprocessed on 03/07/12 2:13:01 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	73616.0	495.7	ug/L	5.12	495.7	ug/L	5.12	1.03%
QC value within limits for Ag 338.289 Recovery = 99.14%								
Al 308.215	47914.3	21050	ug/L	295.0	21050	ug/L	295.0	1.40%
QC value within limits for Al 308.215 Recovery = 105.26%								
As 188.979	4995.1	1006	ug/L	4.7	1006	ug/L	4.7	0.47%
QC value within limits for As 188.979 Recovery = 100.62%								
B	6150.1	1114	ug/L	23.9	1114	ug/L	23.9	2.14%
QC value greater than the upper limit for B Recovery = 111.43%								
Ba 233.527	230401.9	990.9	ug/L	10.82	990.9	ug/L	10.82	1.09%
QC value within limits for Ba 233.527 Recovery = 99.09%								
Be 313.107	6103794.0	1001	ug/L	4.1	1001	ug/L	4.1	0.41%
QC value within limits for Be 313.107 Recovery = 100.07%								
Ca 315.887	901313.2	52070	ug/L	106.3	52070	ug/L	106.3	0.20%
QC value within limits for Ca 315.887 Recovery = 104.14%								
Cd 214.440	469764.8	1004	ug/L	12.4	1004	ug/L	12.4	1.23%
QC value within limits for Cd 214.440 Recovery = 100.36%								
Co 228.616	89694.7	998.3	ug/L	10.89	998.3	ug/L	10.89	1.09%
QC value within limits for Co 228.616 Recovery = 99.83%								
Cr 267.716	156041.0	990.5	ug/L	9.48	990.5	ug/L	9.48	0.96%
QC value within limits for Cr 267.716 Recovery = 99.05%								
Cu 327.393	113070.7	992.6	ug/L	7.62	992.6	ug/L	7.62	0.77%
QC value within limits for Cu 327.393 Recovery = 99.26%								
Fe 273.955	663979.7	19810	ug/L	205.6	19810	ug/L	205.6	1.04%
QC value within limits for Fe 273.955 Recovery = 99.05%								
K 766.490	80758.4	19900	ug/L	46.3	19900	ug/L	46.3	0.23%
QC value within limits for K 766.490 Recovery = 99.52%								
Mg 285.213	1729548.1	53310	ug/L	78.2	53310	ug/L	78.2	0.15%
QC value within limits for Mg 285.213 Recovery = 106.61%								
Mn 257.610	79368.8	1062	ug/L	17.9	1062	ug/L	17.9	1.68%
QC value within limits for Mn 257.610 Recovery = 106.16%								
Mo 202.031	53550.2	1038	ug/L	3.5	1038	ug/L	3.5	0.34%
QC value within limits for Mo 202.031 Recovery = 103.79%								
Na 589.592	283910.3	24730	ug/L	28.8	24730	ug/L	28.8	0.12%
QC value within limits for Na 589.592 Recovery = 98.94%								
Ni 231.604	74875.5	997.4	ug/L	12.22	997.4	ug/L	12.22	1.23%
QC value within limits for Ni 231.604 Recovery = 99.74%								
P 213.617	39824.7	5033	ug/L	11.7	5033	ug/L	11.7	0.23%
QC value within limits for P 213.617 Recovery = 100.67%								
Pb 220.353	19476.5	1024	ug/L	5.2	1024	ug/L	5.2	0.51%
QC value within limits for Pb 220.353 Recovery = 102.45%								
Sb 206.836	7043.3	1020	ug/L	6.9	1020	ug/L	6.9	0.68%
QC value within limits for Sb 206.836 Recovery = 102.04%								
Se 196.026	4698.7	1000	ug/L	10.1	1000	ug/L	10.1	1.01%
QC value within limits for Se 196.026 Recovery = 100.00%								
Sn 189.927	10319.4	1017	ug/L	2.7	1017	ug/L	2.7	0.26%
QC value within limits for Sn 189.927 Recovery = 101.73%								
Sr 421.552	1024633.3	1012	ug/L	0.8	1012	ug/L	0.8	0.08%
QC value within limits for Sr 421.552 Recovery = 101.22%								
Ti 337.279	78438.1	1038	ug/L	16.9	1038	ug/L	16.9	1.63%
QC value within limits for Ti 337.279 Recovery = 103.82%								
Tl 190.801	13330.8	1061	ug/L	3.5	1061	ug/L	3.5	0.33%
QC value within limits for Tl 190.801 Recovery = 106.09%								
V 292.402	288110.4	1006	ug/L	10.4	1006	ug/L	10.4	1.03%
QC value within limits for V 292.402 Recovery = 100.63%								
Zn 206.200	139551.8	1002	ug/L	14.4	1002	ug/L	14.4	1.43%
QC value within limits for Zn 206.200 Recovery = 100.20%								

QC Failed. Continue with analysis.

Sequence No.: 54
Sample ID: CCB 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/06/12 7:01:18 PM
Data Type: Reprocessed on 03/07/12 2:13:02 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-90.6	-0.610	ug/L	0.7043	-0.610	ug/L	0.7043	115.43%
QC value less than the lower limit for Ag 338.289 Recovery = Not calculated								
Al 308.215	-11.1	-4.944	ug/L	9.8632	-4.944	ug/L	9.8632	199.50%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	0.3	0.061	ug/L	0.8729	0.061	ug/L	0.8729	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B	14.5	2.430	ug/L	1.3023	2.430	ug/L	1.3023	53.59%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-0.7	-0.001	ug/L	0.0424	-0.001	ug/L	0.0424	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	555.1	0.088	ug/L	0.0282	0.088	ug/L	0.0282	32.03%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	-146.3	-8.504	ug/L	1.7562	-8.504	ug/L	1.7562	20.65%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	4.5	0.010	ug/L	0.0191	0.010	ug/L	0.0191	185.52%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	29.0	0.326	ug/L	0.1049	0.326	ug/L	0.1049	32.20%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-6.9	-0.044	ug/L	0.2134	-0.044	ug/L	0.2134	489.24%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	37.4	0.329	ug/L	0.8854	0.329	ug/L	0.8854	269.33%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-350.9	-10.61	ug/L	0.452	-10.61	ug/L	0.452	4.27%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	77.0	19.00	ug/L	14.247	19.00	ug/L	14.247	75.00%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	-55.2	-1.707	ug/L	0.0628	-1.707	ug/L	0.0628	3.68%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	-10.5	-0.141	ug/L	0.2165	-0.141	ug/L	0.2165	153.73%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	1.1	0.021	ug/L	0.3400	0.021	ug/L	0.3400	>999.9%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	932.2	81.36	ug/L	7.223	81.36	ug/L	7.223	8.88%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	8.0	0.106	ug/L	0.4475	0.106	ug/L	0.4475	423.28%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	0.7	0.086	ug/L	1.2347	0.086	ug/L	1.2347	>999.9%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	8.0	0.423	ug/L	0.5471	0.423	ug/L	0.5471	129.44%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-6.5	-0.941	ug/L	0.4170	-0.941	ug/L	0.4170	44.31%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-5.8	-1.236	ug/L	1.5938	-1.236	ug/L	1.5938	128.94%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	-193.1	-19.04	ug/L	0.220	-19.04	ug/L	0.220	1.16%
QC value less than the lower limit for Sn 189.927 Recovery = Not calculated								
Sr 421.552	-126.0	-0.124	ug/L	0.0733	-0.124	ug/L	0.0733	58.97%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-49.2	-0.653	ug/L	0.2604	-0.653	ug/L	0.2604	39.86%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	15.0	1.166	ug/L	0.5378	1.166	ug/L	0.5378	46.15%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-11.4	-0.036	ug/L	0.2613	-0.036	ug/L	0.2613	718.34%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-429.9	-3.077	ug/L	0.0469	-3.077	ug/L	0.0469	1.52%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 85
Sample ID: CCV2 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 03/06/12 10:01:11 PM
Data Type: Reprocessed on 03/07/12 2:13:32 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV2 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	53501.5	360.2	ug/L	2.42	360.2	ug/L	2.42	0.67%
QC value within limits for Ag 338.289 Recovery = 96.06%								
Al 308.215	34982.1	15370	ug/L	188.9	15370	ug/L	188.9	1.23%
QC value within limits for Al 308.215 Recovery = 102.48%								
As 188.979	3689.5	743.2	ug/L	5.84	743.2	ug/L	5.84	0.79%
QC value within limits for As 188.979 Recovery = 99.09%								
B	4367.0	793.0	ug/L	16.39	793.0	ug/L	16.39	2.07%
QC value within limits for B Recovery = 105.73%								
Ba 233.527	169777.6	730.2	ug/L	3.79	730.2	ug/L	3.79	0.52%
QC value within limits for Ba 233.527 Recovery = 97.36%								
Be 313.107	4463714.5	731.8	ug/L	4.17	731.8	ug/L	4.17	0.57%
QC value within limits for Be 313.107 Recovery = 97.58%								
Ca 315.887	653031.9	37730	ug/L	773.3	37730	ug/L	773.3	2.05%
QC value within limits for Ca 315.887 Recovery = 100.61%								
Cd 214.440	345198.9	737.5	ug/L	4.21	737.5	ug/L	4.21	0.57%
QC value within limits for Cd 214.440 Recovery = 98.33%								
Co 228.616	66242.0	737.2	ug/L	5.20	737.2	ug/L	5.20	0.71%
QC value within limits for Co 228.616 Recovery = 98.29%								
Cr 267.716	114772.6	728.5	ug/L	3.59	728.5	ug/L	3.59	0.49%
QC value within limits for Cr 267.716 Recovery = 97.14%								
Cu 327.393	82188.7	721.5	ug/L	6.60	721.5	ug/L	6.60	0.91%
QC value within limits for Cu 327.393 Recovery = 96.20%								
Fe 273.955	488928.2	14590	ug/L	70.1	14590	ug/L	70.1	0.48%
QC value within limits for Fe 273.955 Recovery = 97.26%								
K 766.490	58229.3	14350	ug/L	217.7	14350	ug/L	217.7	1.52%
QC value within limits for K 766.490 Recovery = 95.68%								
Mg 285.213	1259180.9	38810	ug/L	674.0	38810	ug/L	674.0	1.74%
QC value within limits for Mg 285.213 Recovery = 103.49%								
Mn 257.610	57599.1	770.4	ug/L	9.76	770.4	ug/L	9.76	1.27%
QC value within limits for Mn 257.610 Recovery = 102.72%								
Mo 202.031	37714.6	731.0	ug/L	2.61	731.0	ug/L	2.61	0.36%
QC value within limits for Mo 202.031 Recovery = 97.47%								
Na 589.592	206207.7	17960	ug/L	322.1	17960	ug/L	322.1	1.79%
QC value within limits for Na 589.592 Recovery = 95.81%								
Ni 231.604	55277.8	736.3	ug/L	3.48	736.3	ug/L	3.48	0.47%
QC value within limits for Ni 231.604 Recovery = 98.18%								
P 213.617	27883.9	3524	ug/L	21.5	3524	ug/L	21.5	0.61%
QC value within limits for P 213.617 Recovery = 93.98%								
Pb 220.353	14295.0	751.9	ug/L	0.98	751.9	ug/L	0.98	0.13%
QC value within limits for Pb 220.353 Recovery = 100.25%								
Sb 206.836	5134.7	743.9	ug/L	1.08	743.9	ug/L	1.08	0.15%
QC value within limits for Sb 206.836 Recovery = 99.18%								
Se 196.026	3445.5	733.3	ug/L	1.74	733.3	ug/L	1.74	0.24%
QC value within limits for Se 196.026 Recovery = 97.78%								
Sn 189.927	7618.0	751.0	ug/L	0.44	751.0	ug/L	0.44	0.06%
QC value within limits for Sn 189.927 Recovery = 100.13%								
Sr 421.552	747766.9	738.7	ug/L	12.68	738.7	ug/L	12.68	1.72%
QC value within limits for Sr 421.552 Recovery = 98.49%								
Ti 337.279	57316.5	758.7	ug/L	6.84	758.7	ug/L	6.84	0.90%
QC value within limits for Ti 337.279 Recovery = 101.16%								
Tl 190.801	9887.4	786.7	ug/L	2.16	786.7	ug/L	2.16	0.27%
QC value within limits for Tl 190.801 Recovery = 104.89%								
V 292.402	211468.8	738.1	ug/L	2.56	738.1	ug/L	2.56	0.35%
QC value within limits for V 292.402 Recovery = 98.42%								
Zn 206.200	102897.1	738.8	ug/L	4.03	738.8	ug/L	4.03	0.55%
QC value within limits for Zn 206.200 Recovery = 98.51%								

All analyte(s) passed QC.

Sequence No.: 86
Sample ID: CCB 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 03/06/12 10:05:12 PM
Data Type: Reprocessed on 03/07/12 2:13:33 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	11.2	0.076	ug/L	0.3748	0.076	ug/L	0.3748	496.30%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-17.6	-7.793	ug/L	3.8507	-7.793	ug/L	3.8507	49.41%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-0.2	-0.044	ug/L	0.7637	-0.044	ug/L	0.7637	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B	28.6	4.825	ug/L	2.3905	4.825	ug/L	2.3905	49.55%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	19.2	0.084	ug/L	0.0106	0.084	ug/L	0.0106	12.60%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	1323.9	0.215	ug/L	0.0172	0.215	ug/L	0.0172	7.99%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	-29.8	-1.714	ug/L	2.9784	-1.714	ug/L	2.9784	173.75%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	6.7	0.015	ug/L	0.0275	0.015	ug/L	0.0275	186.41%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	5.6	0.065	ug/L	0.1082	0.065	ug/L	0.1082	167.65%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-47.2	-0.299	ug/L	0.1642	-0.299	ug/L	0.1642	54.85%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	22.5	0.198	ug/L	0.3975	0.198	ug/L	0.3975	200.81%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-229.5	-6.938	ug/L	0.6274	-6.938	ug/L	0.6274	9.04%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-22.9	-5.650	ug/L	68.3273	-5.650	ug/L	68.3273	>999.9%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	41.9	1.295	ug/L	0.4519	1.295	ug/L	0.4519	34.90%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	4.6	0.062	ug/L	0.1416	0.062	ug/L	0.1416	229.67%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	15.7	0.304	ug/L	0.0844	0.304	ug/L	0.0844	27.73%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	205.5	17.94	ug/L	26.384	17.94	ug/L	26.384	147.10%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	21.1	0.281	ug/L	0.3132	0.281	ug/L	0.3132	111.38%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-9.8	-1.239	ug/L	0.9259	-1.239	ug/L	0.9259	74.73%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	19.5	1.028	ug/L	0.7637	1.028	ug/L	0.7637	74.31%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-0.4	-0.060	ug/L	0.6941	-0.060	ug/L	0.6941	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-5.0	-1.070	ug/L	0.9706	-1.070	ug/L	0.9706	90.74%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	-90.2	-8.893	ug/L	0.3058	-8.893	ug/L	0.3058	3.44%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	52.9	0.052	ug/L	0.0223	0.052	ug/L	0.0223	42.52%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-25.9	-0.343	ug/L	0.4726	-0.343	ug/L	0.4726	137.58%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	27.5	2.146	ug/L	0.8338	2.146	ug/L	0.8338	38.86%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	68.9	0.240	ug/L	0.5506	0.240	ug/L	0.5506	229.65%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-368.6	-2.640	ug/L	0.0500	-2.640	ug/L	0.0500	1.90%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 97
Sample ID: CCV1 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/06/12 10:58:46 PM
Data Type: Reprocessed on 03/07/12 2:13:44 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	73169.3	492.7	ug/L	3.95	492.7	ug/L	3.95	0.80%
QC value within limits for Ag 338.289 Recovery = 98.53%								
Al 308.215	46988.9	20650	ug/L	142.1	20650	ug/L	142.1	0.69%
QC value within limits for Al 308.215 Recovery = 103.24%								
As 188.979	4954.8	998.1	ug/L	6.65	998.1	ug/L	6.65	0.67%
QC value within limits for As 188.979 Recovery = 99.81%								
B	5668.4	1032	ug/L	10.3	1032	ug/L	10.3	0.99%
QC value within limits for B Recovery = 103.20%								
Ba 233.527	230854.4	992.9	ug/L	5.38	992.9	ug/L	5.38	0.54%
QC value within limits for Ba 233.527 Recovery = 99.29%								
Be 313.107	5995849.5	983.1	ug/L	12.46	983.1	ug/L	12.46	1.27%
QC value within limits for Be 313.107 Recovery = 98.31%								
Ca 315.887	870964.6	50320	ug/L	519.5	50320	ug/L	519.5	1.03%
QC value within limits for Ca 315.887 Recovery = 100.64%								
Cd 214.440	467370.6	998.5	ug/L	4.57	998.5	ug/L	4.57	0.46%
QC value within limits for Cd 214.440 Recovery = 99.85%								
Co 228.616	89274.5	993.6	ug/L	3.93	993.6	ug/L	3.93	0.40%
QC value within limits for Co 228.616 Recovery = 99.36%								
Cr 267.716	156486.2	993.4	ug/L	5.33	993.4	ug/L	5.33	0.54%
QC value within limits for Cr 267.716 Recovery = 99.34%								
Cu 327.393	113370.0	995.2	ug/L	8.10	995.2	ug/L	8.10	0.81%
QC value within limits for Cu 327.393 Recovery = 99.52%								
Fe 273.955	661529.8	19740	ug/L	90.0	19740	ug/L	90.0	0.46%
QC value within limits for Fe 273.955 Recovery = 98.70%								
K 766.490	77709.7	19150	ug/L	181.7	19150	ug/L	181.7	0.95%
QC value within limits for K 766.490 Recovery = 95.76%								
Mg 285.213	1645003.6	50700	ug/L	460.1	50700	ug/L	460.1	0.91%
QC value within limits for Mg 285.213 Recovery = 101.40%								
Mn 257.610	75092.4	1004	ug/L	8.9	1004	ug/L	8.9	0.89%
QC value within limits for Mn 257.610 Recovery = 100.44%								
Mo 202.031	52653.5	1021	ug/L	11.2	1021	ug/L	11.2	1.10%
QC value within limits for Mo 202.031 Recovery = 102.05%								
Na 589.592	274713.1	23930	ug/L	205.1	23930	ug/L	205.1	0.86%
QC value within limits for Na 589.592 Recovery = 95.73%								
Ni 231.604	74482.1	992.2	ug/L	2.30	992.2	ug/L	2.30	0.23%
QC value within limits for Ni 231.604 Recovery = 99.22%								
P 213.617	38902.2	4917	ug/L	49.1	4917	ug/L	49.1	1.00%
QC value within limits for P 213.617 Recovery = 98.34%								
Pb 220.353	19071.3	1003	ug/L	10.0	1003	ug/L	10.0	1.00%
QC value within limits for Pb 220.353 Recovery = 100.31%								
Sb 206.836	6948.3	1007	ug/L	8.8	1007	ug/L	8.8	0.87%
QC value within limits for Sb 206.836 Recovery = 100.66%								
Se 196.026	4565.9	971.8	ug/L	11.48	971.8	ug/L	11.48	1.18%
QC value within limits for Se 196.026 Recovery = 97.18%								
Sn 189.927	10107.0	996.4	ug/L	10.19	996.4	ug/L	10.19	1.02%
QC value within limits for Sn 189.927 Recovery = 99.64%								
Sr 421.552	1024840.3	1012	ug/L	9.0	1012	ug/L	9.0	0.89%
QC value within limits for Sr 421.552 Recovery = 101.25%								
Ti 337.279	77881.9	1031	ug/L	10.9	1031	ug/L	10.9	1.06%
QC value within limits for Ti 337.279 Recovery = 103.09%								
Tl 190.801	13151.8	1047	ug/L	10.4	1047	ug/L	10.4	0.99%
QC value within limits for Tl 190.801 Recovery = 104.66%								
V 292.402	289447.2	1011	ug/L	4.2	1011	ug/L	4.2	0.42%
QC value within limits for V 292.402 Recovery = 101.06%								
Zn 206.200	139216.8	999.8	ug/L	3.73	999.8	ug/L	3.73	0.37%
QC value within limits for Zn 206.200 Recovery = 99.98%								

All analyte(s) passed QC.

Sequence No.: 98
Sample ID: CCB 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/06/12 11:03:12 PM
Data Type: Reprocessed on 03/07/12 2:13:45 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-70.1	-0.472	ug/L	0.5178	-0.472	ug/L	0.5178	109.75%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	1.1	0.340	ug/L	6.6564	0.340	ug/L	6.6564	>999.9%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-0.9	-0.190	ug/L	1.7365	-0.190	ug/L	1.7365	914.09%
QC value within limits for As 188.979 Recovery = Not calculated								
B	1.8	0.285	ug/L	2.3263	0.285	ug/L	2.3263	815.33%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	3.0	0.013	ug/L	0.1405	0.013	ug/L	0.1405	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	1291.3	0.207	ug/L	0.0521	0.207	ug/L	0.0521	25.17%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	1424.3	82.43	ug/L	9.601	82.43	ug/L	9.601	11.65%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-5.4	-0.012	ug/L	0.0282	-0.012	ug/L	0.0282	236.85%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	11.1	0.126	ug/L	0.0563	0.126	ug/L	0.0563	44.74%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-65.8	-0.420	ug/L	0.0645	-0.420	ug/L	0.0645	15.36%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	15.4	0.135	ug/L	0.3176	0.135	ug/L	0.3176	234.62%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-241.9	-7.374	ug/L	0.5497	-7.374	ug/L	0.5497	7.46%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	253.9	62.64	ug/L	13.677	62.64	ug/L	13.677	21.83%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	12.9	0.349	ug/L	0.2814	0.349	ug/L	0.2814	80.54%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	-6.9	-0.094	ug/L	0.0989	-0.094	ug/L	0.0989	105.44%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	5.7	0.108	ug/L	0.2590	0.108	ug/L	0.2590	240.52%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	562.9	49.08	ug/L	17.912	49.08	ug/L	17.912	36.49%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-19.2	-0.258	ug/L	0.1203	-0.258	ug/L	0.1203	46.67%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-6.9	-0.873	ug/L	1.0584	-0.873	ug/L	1.0584	121.26%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	17.8	0.934	ug/L	0.2841	0.934	ug/L	0.2841	30.43%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-6.8	-0.989	ug/L	0.5367	-0.989	ug/L	0.5367	54.28%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-19.0	-4.052	ug/L	1.5760	-4.052	ug/L	1.5760	38.90%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	-193.9	-19.12	ug/L	0.245	-19.12	ug/L	0.245	1.28%
QC value less than the lower limit for Sn 189.927 Recovery = Not calculated								
Sr 421.552	11.5	0.011	ug/L	0.1819	0.011	ug/L	0.1819	>999.9%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-67.4	-0.896	ug/L	0.0995	-0.896	ug/L	0.0995	11.11%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	15.0	1.160	ug/L	0.7317	1.160	ug/L	0.7317	63.09%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-76.6	-0.263	ug/L	0.2235	-0.263	ug/L	0.2235	85.06%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-406.6	-2.916	ug/L	0.1247	-2.916	ug/L	0.1247	4.28%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 109
Sample ID: CCV2 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 03/07/12 12:02:20 AM
Data Type: Reprocessed on 03/07/12 2:13:56 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV2 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 338.289	53168.9	358.0 ug/L	4.31	358.0 ug/L	4.31	1.20%
QC value within limits for Ag 338.289 Recovery = 95.47%						
Al 308.215	33707.1	14810 ug/L	221.8	14810 ug/L	221.8	1.50%
QC value within limits for Al 308.215 Recovery = 98.74%						
As 188.979	3650.4	735.3 ug/L	6.56	735.3 ug/L	6.56	0.89%
QC value within limits for As 188.979 Recovery = 98.04%						
B	4033.6	735.5 ug/L	7.06	735.5 ug/L	7.06	0.96%
QC value within limits for B Recovery = 98.07%						
Ba 233.527	167733.7	721.4 ug/L	9.32	721.4 ug/L	9.32	1.29%
QC value within limits for Ba 233.527 Recovery = 96.19%						
Be 313.107	4386497.2	719.2 ug/L	7.84	719.2 ug/L	7.84	1.09%
QC value within limits for Be 313.107 Recovery = 95.89%						
Ca 315.887	632142.0	36520 ug/L	170.1	36520 ug/L	170.1	0.47%
QC value within limits for Ca 315.887 Recovery = 97.39%						
Cd 214.440	339683.3	725.7 ug/L	10.64	725.7 ug/L	10.64	1.47%
QC value within limits for Cd 214.440 Recovery = 96.76%						
Co 228.616	65337.1	727.2 ug/L	10.39	727.2 ug/L	10.39	1.43%
QC value within limits for Co 228.616 Recovery = 96.96%						
Cr 267.716	113600.8	721.2 ug/L	9.52	721.2 ug/L	9.52	1.32%
QC value within limits for Cr 267.716 Recovery = 96.16%						
Cu 327.393	82093.2	720.7 ug/L	9.05	720.7 ug/L	9.05	1.26%
QC value within limits for Cu 327.393 Recovery = 96.09%						
Fe 273.955	481591.2	14370 ug/L	188.0	14370 ug/L	188.0	1.31%
QC value within limits for Fe 273.955 Recovery = 95.81%						
K 766.490	57615.1	14200 ug/L	35.5	14200 ug/L	35.5	0.25%
QC value within limits for K 766.490 Recovery = 94.67%						
Mg 285.213	1188421.8	36630 ug/L	139.8	36630 ug/L	139.8	0.38%
QC value within limits for Mg 285.213 Recovery = 97.67%						
Mn 257.610	53223.5	711.8 ug/L	11.21	711.8 ug/L	11.21	1.57%
QC value within limits for Mn 257.610 Recovery = 94.91%						
Mo 202.031	37415.7	725.2 ug/L	8.93	725.2 ug/L	8.93	1.23%
QC value within limits for Mo 202.031 Recovery = 96.70%						
Na 589.592	205450.5	17900 ug/L	85.0	17900 ug/L	85.0	0.47%
QC value within limits for Na 589.592 Recovery = 95.46%						
Ni 231.604	54565.3	726.9 ug/L	10.80	726.9 ug/L	10.80	1.49%
QC value within limits for Ni 231.604 Recovery = 96.92%						
P 213.617	27330.6	3454 ug/L	57.1	3454 ug/L	57.1	1.65%
QC value within limits for P 213.617 Recovery = 92.11%						
Pb 220.353	14088.3	741.0 ug/L	4.91	741.0 ug/L	4.91	0.66%
QC value within limits for Pb 220.353 Recovery = 98.81%						
Sb 206.836	5068.1	734.2 ug/L	4.55	734.2 ug/L	4.55	0.62%
QC value within limits for Sb 206.836 Recovery = 97.90%						
Se 196.026	3366.9	716.6 ug/L	6.31	716.6 ug/L	6.31	0.88%
QC value within limits for Se 196.026 Recovery = 95.55%						
Sn 189.927	7524.7	741.8 ug/L	4.09	741.8 ug/L	4.09	0.55%
QC value within limits for Sn 189.927 Recovery = 98.91%						
Sr 421.552	765182.3	756.0 ug/L	2.80	756.0 ug/L	2.80	0.37%
QC value within limits for Sr 421.552 Recovery = 100.79%						
Ti 337.279	56299.5	745.2 ug/L	12.48	745.2 ug/L	12.48	1.67%
QC value within limits for Ti 337.279 Recovery = 99.37%						
Tl 190.801	9798.8	779.3 ug/L	5.23	779.3 ug/L	5.23	0.67%
QC value within limits for Tl 190.801 Recovery = 103.90%						
V 292.402	210132.6	733.5 ug/L	8.92	733.5 ug/L	8.92	1.22%
QC value within limits for V 292.402 Recovery = 97.79%						
Zn 206.200	101135.6	726.3 ug/L	10.51	726.3 ug/L	10.51	1.45%
QC value within limits for Zn 206.200 Recovery = 96.84%						

All analyte(s) passed QC.

Sequence No.: 110
Sample ID: CCB 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 03/07/12 12:10:52 AM
Data Type: Reprocessed on 03/07/12 2:13:57 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-67.5	-0.455	ug/L	0.4397	-0.455	ug/L	0.4397	96.71%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-21.1	-9.393	ug/L	4.3153	-9.393	ug/L	4.3153	45.94%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	1.1	0.221	ug/L	1.7499	0.221	ug/L	1.7499	791.68%
QC value within limits for As 188.979 Recovery = Not calculated								
B	11.5	1.943	ug/L	1.1435	1.943	ug/L	1.1435	58.86%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	6.3	0.028	ug/L	0.0105	0.028	ug/L	0.0105	37.91%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	1507.9	0.243	ug/L	0.0307	0.243	ug/L	0.0307	12.62%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	951.0	55.06	ug/L	14.015	55.06	ug/L	14.015	25.45%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-14.4	-0.031	ug/L	0.0391	-0.031	ug/L	0.0391	126.07%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	18.2	0.205	ug/L	0.0215	0.205	ug/L	0.0215	10.47%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-58.2	-0.371	ug/L	0.1950	-0.371	ug/L	0.1950	52.54%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	39.3	0.345	ug/L	0.2715	0.345	ug/L	0.2715	78.66%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-159.2	-4.836	ug/L	0.7962	-4.836	ug/L	0.7962	16.46%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	135.5	33.43	ug/L	20.247	33.43	ug/L	20.247	60.57%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	37.4	1.125	ug/L	0.1891	1.125	ug/L	0.1891	16.81%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	1.4	0.018	ug/L	0.1559	0.018	ug/L	0.1559	888.88%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	5.1	0.098	ug/L	0.2803	0.098	ug/L	0.2803	285.20%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	177.9	15.50	ug/L	8.042	15.50	ug/L	8.042	51.88%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	4.5	0.058	ug/L	0.1120	0.058	ug/L	0.1120	191.50%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-11.8	-1.487	ug/L	1.2311	-1.487	ug/L	1.2311	82.82%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	16.0	0.840	ug/L	0.3262	0.840	ug/L	0.3262	38.83%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-4.9	-0.709	ug/L	0.1729	-0.709	ug/L	0.1729	24.39%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-3.0	-0.635	ug/L	2.7944	-0.635	ug/L	2.7944	440.31%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	-94.0	-9.265	ug/L	0.3029	-9.265	ug/L	0.3029	3.27%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	-236.7	-0.234	ug/L	0.1190	-0.234	ug/L	0.1190	50.74%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-49.2	-0.654	ug/L	0.3549	-0.654	ug/L	0.3549	54.30%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	24.4	1.895	ug/L	0.2858	1.895	ug/L	0.2858	15.08%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-57.1	-0.196	ug/L	0.2468	-0.196	ug/L	0.2468	125.70%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-366.9	-2.630	ug/L	0.0702	-2.630	ug/L	0.0702	2.67%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 121
Sample ID: CCV1 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/07/12 1:17:42 AM
Data Type: Reprocessed on 03/07/12 2:14:07 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	70843.2	477.0	ug/L	1.87	477.0	ug/L	1.87	0.39%
QC value within limits for Ag 338.289 Recovery = 95.40%								
Al 308.215	44964.2	19760	ug/L	118.1	19760	ug/L	118.1	0.60%
QC value within limits for Al 308.215 Recovery = 98.79%								
As 188.979	4930.3	993.2	ug/L	7.60	993.2	ug/L	7.60	0.77%
QC value within limits for As 188.979 Recovery = 99.32%								
B	5379.8	980.8	ug/L	3.78	980.8	ug/L	3.78	0.39%
QC value within limits for B Recovery = 98.08%								
Ba 233.527	223808.9	962.6	ug/L	4.28	962.6	ug/L	4.28	0.44%
QC value within limits for Ba 233.527 Recovery = 96.26%								
Be 313.107	5858817.9	960.6	ug/L	7.79	960.6	ug/L	7.79	0.81%
QC value within limits for Be 313.107 Recovery = 96.06%								
Ca 315.887	824237.7	47620	ug/L	123.5	47620	ug/L	123.5	0.26%
QC value within limits for Ca 315.887 Recovery = 95.23%								
Cd 214.440	452441.1	966.6	ug/L	3.11	966.6	ug/L	3.11	0.32%
QC value within limits for Cd 214.440 Recovery = 96.66%								
Co 228.616	86546.6	963.3	ug/L	4.68	963.3	ug/L	4.68	0.49%
QC value within limits for Co 228.616 Recovery = 96.33%								
Cr 267.716	151889.3	964.3	ug/L	2.98	964.3	ug/L	2.98	0.31%
QC value within limits for Cr 267.716 Recovery = 96.43%								
Cu 327.393	109780.6	963.7	ug/L	6.44	963.7	ug/L	6.44	0.67%
QC value within limits for Cu 327.393 Recovery = 96.37%								
Fe 273.955	641065.8	19130	ug/L	85.6	19130	ug/L	85.6	0.45%
QC value within limits for Fe 273.955 Recovery = 95.65%								
K 766.490	76463.6	18850	ug/L	30.0	18850	ug/L	30.0	0.16%
QC value within limits for K 766.490 Recovery = 94.23%								
Mg 285.213	1559709.1	48070	ug/L	110.9	48070	ug/L	110.9	0.23%
QC value within limits for Mg 285.213 Recovery = 96.14%								
Mn 257.610	71100.4	951.0	ug/L	6.57	951.0	ug/L	6.57	0.69%
QC value within limits for Mn 257.610 Recovery = 95.10%								
Mo 202.031	51180.8	992.0	ug/L	5.69	992.0	ug/L	5.69	0.57%
QC value within limits for Mo 202.031 Recovery = 99.20%								
Na 589.592	274232.6	23890	ug/L	57.4	23890	ug/L	57.4	0.24%
QC value within limits for Na 589.592 Recovery = 95.57%								
Ni 231.604	72328.2	963.5	ug/L	5.13	963.5	ug/L	5.13	0.53%
QC value within limits for Ni 231.604 Recovery = 96.35%								
P 213.617	37481.0	4737	ug/L	36.8	4737	ug/L	36.8	0.78%
QC value within limits for P 213.617 Recovery = 94.74%								
Pb 220.353	18473.2	971.7	ug/L	7.65	971.7	ug/L	7.65	0.79%
QC value within limits for Pb 220.353 Recovery = 97.17%								
Sb 206.836	6748.4	977.6	ug/L	3.10	977.6	ug/L	3.10	0.32%
QC value within limits for Sb 206.836 Recovery = 97.76%								
Se 196.026	4410.4	938.7	ug/L	5.92	938.7	ug/L	5.92	0.63%
QC value within limits for Se 196.026 Recovery = 93.87%								
Sn 189.927	9881.7	974.2	ug/L	3.13	974.2	ug/L	3.13	0.32%
QC value within limits for Sn 189.927 Recovery = 97.42%								
Sr 421.552	1019368.8	1007	ug/L	2.4	1007	ug/L	2.4	0.23%
QC value within limits for Sr 421.552 Recovery = 100.71%								
Ti 337.279	75161.4	995.0	ug/L	4.89	995.0	ug/L	4.89	0.49%
QC value within limits for Ti 337.279 Recovery = 99.50%								
Tl 190.801	12782.7	1017	ug/L	6.5	1017	ug/L	6.5	0.64%
QC value within limits for Tl 190.801 Recovery = 101.70%								
V 292.402	281535.6	983.0	ug/L	3.33	983.0	ug/L	3.33	0.34%
QC value within limits for V 292.402 Recovery = 98.30%								
Zn 206.200	134816.8	968.2	ug/L	4.46	968.2	ug/L	4.46	0.46%
QC value within limits for Zn 206.200 Recovery = 96.82%								

All analyte(s) passed QC.

Sequence No.: 122
Sample ID: CCB 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/07/12 1:22:56 AM
Data Type: Reprocessed on 03/07/12 2:14:08 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-60.3	-0.406	ug/L	0.8560	-0.406	ug/L	0.8560	210.69%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-17.2	-7.658	ug/L	3.8229	-7.658	ug/L	3.8229	49.92%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	2.5	0.500	ug/L	2.0603	0.500	ug/L	2.0603	412.29%
QC value within limits for As 188.979 Recovery = Not calculated								
B	18.2	3.057	ug/L	1.7715	3.057	ug/L	1.7715	57.95%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-2.7	-0.011	ug/L	0.1257	-0.011	ug/L	0.1257	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	1742.5	0.282	ug/L	0.0404	0.282	ug/L	0.0404	14.31%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	362.4	20.98	ug/L	2.709	20.98	ug/L	2.709	12.92%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	25.4	0.055	ug/L	0.0344	0.055	ug/L	0.0344	63.12%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	13.4	0.151	ug/L	0.2808	0.151	ug/L	0.2808	185.41%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-68.0	-0.433	ug/L	0.1415	-0.433	ug/L	0.1415	32.68%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	35.9	0.315	ug/L	0.0475	0.315	ug/L	0.0475	15.07%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-299.0	-9.027	ug/L	1.2293	-9.027	ug/L	1.2293	13.62%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	99.4	24.53	ug/L	31.635	24.53	ug/L	31.635	128.95%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	10.5	0.312	ug/L	0.8634	0.312	ug/L	0.8634	276.58%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	5.9	0.078	ug/L	0.0620	0.078	ug/L	0.0620	79.44%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	2.5	0.047	ug/L	0.3431	0.047	ug/L	0.3431	723.28%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	386.2	33.70	ug/L	3.940	33.70	ug/L	3.940	11.69%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	13.8	0.183	ug/L	0.2116	0.183	ug/L	0.2116	115.52%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-19.0	-2.399	ug/L	0.5047	-2.399	ug/L	0.5047	21.04%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	17.3	0.910	ug/L	0.3844	0.910	ug/L	0.3844	42.23%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-9.8	-1.426	ug/L	0.2015	-1.426	ug/L	0.2015	14.13%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-2.3	-0.480	ug/L	3.4162	-0.480	ug/L	3.4162	711.67%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	-193.1	-19.03	ug/L	0.282	-19.03	ug/L	0.282	1.48%
QC value less than the lower limit for Sn 189.927 Recovery = Not calculated								
Sr 421.552	34.2	0.034	ug/L	0.0588	0.034	ug/L	0.0588	174.02%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-43.8	-0.581	ug/L	0.2494	-0.581	ug/L	0.2494	42.90%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	30.3	2.363	ug/L	0.6982	2.363	ug/L	0.6982	29.55%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-62.4	-0.214	ug/L	0.2556	-0.214	ug/L	0.2556	119.19%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-428.2	-3.068	ug/L	0.0504	-3.068	ug/L	0.0504	1.64%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 131
Sample ID: CCV2 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 03/07/12 2:14:16 AM
Data Type: Reprocessed on 03/07/12 2:14:17 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV2 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	52036.9	350.4	ug/L	1.68	350.4	ug/L	1.68	0.48%
QC value within limits for Ag 338.289 Recovery = 93.43%								
Al 308.215	32217.2	14150	ug/L	68.7	14150	ug/L	68.7	0.49%
QC value within limits for Al 308.215 Recovery = 94.36%								
As 188.979	3707.0	746.7	ug/L	7.39	746.7	ug/L	7.39	0.99%
QC value within limits for As 188.979 Recovery = 99.56%								
B	3819.0	698.3	ug/L	4.31	698.3	ug/L	4.31	0.62%
QC value within limits for B Recovery = 93.11%								
Ba 233.527	165456.6	711.7	ug/L	3.79	711.7	ug/L	3.79	0.53%
QC value within limits for Ba 233.527 Recovery = 94.89%								
Be 313.107	4367581.3	716.0	ug/L	3.07	716.0	ug/L	3.07	0.43%
QC value within limits for Be 313.107 Recovery = 95.46%								
Ca 315.887	607075.4	35070	ug/L	342.9	35070	ug/L	342.9	0.98%
QC value within limits for Ca 315.887 Recovery = 93.52%								
Cd 214.440	334806.4	715.3	ug/L	3.30	715.3	ug/L	3.30	0.46%
QC value within limits for Cd 214.440 Recovery = 95.37%								
Co 228.616	64226.4	714.9	ug/L	2.92	714.9	ug/L	2.92	0.41%
QC value within limits for Co 228.616 Recovery = 95.32%								
Cr 267.716	112188.1	712.3	ug/L	1.79	712.3	ug/L	1.79	0.25%
QC value within limits for Cr 267.716 Recovery = 94.97%								
Cu 327.393	80530.7	707.0	ug/L	2.74	707.0	ug/L	2.74	0.39%
QC value within limits for Cu 327.393 Recovery = 94.26%								
Fe 273.955	474392.0	14160	ug/L	67.4	14160	ug/L	67.4	0.48%
QC value within limits for Fe 273.955 Recovery = 94.38%								
K 766.490	56889.1	14020	ug/L	141.3	14020	ug/L	141.3	1.01%
QC value within limits for K 766.490 Recovery = 93.48%								
Mg 285.213	1152836.0	35530	ug/L	290.9	35530	ug/L	290.9	0.82%
QC value within limits for Mg 285.213 Recovery = 94.75%								
Mn 257.610	51167.3	684.3	ug/L	2.57	684.3	ug/L	2.57	0.38%
QC value within limits for Mn 257.610 Recovery = 91.24%								
Mo 202.031	36951.9	716.2	ug/L	3.75	716.2	ug/L	3.75	0.52%
QC value within limits for Mo 202.031 Recovery = 95.50%								
Na 589.592	204425.4	17810	ug/L	140.0	17810	ug/L	140.0	0.79%
QC value within limits for Na 589.592 Recovery = 94.99%								
Ni 231.604	53668.4	715.0	ug/L	2.45	715.0	ug/L	2.45	0.34%
QC value within limits for Ni 231.604 Recovery = 95.33%								
P 213.617	26691.4	3373	ug/L	16.2	3373	ug/L	16.2	0.48%
QC value within limits for P 213.617 Recovery = 89.96%								
Pb 220.353	13864.7	729.3	ug/L	1.41	729.3	ug/L	1.41	0.19%
QC value within limits for Pb 220.353 Recovery = 97.24%								
Sb 206.836	5011.8	726.1	ug/L	0.47	726.1	ug/L	0.47	0.06%
QC value within limits for Sb 206.836 Recovery = 96.81%								
Se 196.026	3298.0	701.9	ug/L	3.02	701.9	ug/L	3.02	0.43%
QC value within limits for Se 196.026 Recovery = 93.59%								
Sn 189.927	7468.1	736.2	ug/L	1.42	736.2	ug/L	1.42	0.19%
QC value within limits for Sn 189.927 Recovery = 98.16%								
Sr 421.552	755780.6	746.7	ug/L	5.98	746.7	ug/L	5.98	0.80%
QC value within limits for Sr 421.552 Recovery = 99.56%								
Ti 337.279	53913.7	713.7	ug/L	1.47	713.7	ug/L	1.47	0.21%
QC value within limits for Ti 337.279 Recovery = 95.15%								
Tl 190.801	9696.9	770.8	ug/L	0.76	770.8	ug/L	0.76	0.10%
QC value within limits for Tl 190.801 Recovery = 102.77%								
V 292.402	207421.5	724.0	ug/L	2.48	724.0	ug/L	2.48	0.34%
QC value within limits for V 292.402 Recovery = 96.54%								
Zn 206.200	99756.5	716.4	ug/L	3.66	716.4	ug/L	3.66	0.51%
QC value within limits for Zn 206.200 Recovery = 95.52%								

All analyte(s) passed QC.

Sequence No.: 132
Sample ID: CCB 120306EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 03/07/12 2:19:23 AM
Data Type: Reprocessed on 03/07/12 2:14:18 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120306EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-12.9	-0.087	ug/L	0.5062	-0.087	ug/L	0.5062	582.80%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-30.6	-13.58	ug/L	2.920	-13.58	ug/L	2.920	21.51%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-6.6	-1.332	ug/L	0.8823	-1.332	ug/L	0.8823	66.22%
QC value within limits for As 188.979 Recovery = Not calculated								
B	20.5	3.462	ug/L	1.8786	3.462	ug/L	1.8786	54.27%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	15.5	0.067	ug/L	0.0398	0.067	ug/L	0.0398	59.00%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	2034.5	0.331	ug/L	0.0351	0.331	ug/L	0.0351	10.61%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	356.7	20.66	ug/L	1.038	20.66	ug/L	1.038	5.03%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	24.8	0.053	ug/L	0.0630	0.053	ug/L	0.0630	118.85%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	8.7	0.098	ug/L	0.1436	0.098	ug/L	0.1436	145.78%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-88.5	-0.563	ug/L	0.1539	-0.563	ug/L	0.1539	27.32%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	47.8	0.419	ug/L	0.5004	0.419	ug/L	0.5004	119.34%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-217.3	-6.542	ug/L	1.0232	-6.542	ug/L	1.0232	15.64%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-5.5	-1.367	ug/L	55.5011	-1.367	ug/L	55.5011	>999.9%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	52.0	1.595	ug/L	0.4061	1.595	ug/L	0.4061	25.46%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	-3.7	-0.050	ug/L	0.1896	-0.050	ug/L	0.1896	378.87%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	6.6	0.126	ug/L	0.1293	0.126	ug/L	0.1293	102.27%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	191.1	16.67	ug/L	9.853	16.67	ug/L	9.853	59.11%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	15.6	0.207	ug/L	0.0715	0.207	ug/L	0.0715	34.51%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-30.2	-3.816	ug/L	0.8417	-3.816	ug/L	0.8417	22.06%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	16.1	0.849	ug/L	0.2924	0.849	ug/L	0.2924	34.43%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-3.3	-0.482	ug/L	1.2711	-0.482	ug/L	1.2711	263.87%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-4.1	-0.880	ug/L	1.6779	-0.880	ug/L	1.6779	190.70%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	-91.1	-8.980	ug/L	0.1535	-8.980	ug/L	0.1535	1.71%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	84.0	0.083	ug/L	0.0630	0.083	ug/L	0.0630	75.97%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-24.3	-0.323	ug/L	0.3162	-0.323	ug/L	0.3162	97.98%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	40.6	3.168	ug/L	0.2975	3.168	ug/L	0.2975	9.39%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-86.1	-0.296	ug/L	0.1655	-0.296	ug/L	0.1655	55.83%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-383.7	-2.751	ug/L	0.1435	-2.751	ug/L	0.1435	5.22%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

METALS
EPA SW846 - 6010B
Raw Data

APPL, INC.

Sequence No.: 87
Sample ID: AY55846S02
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.15 g
Dilution:

Autosampler Location: 135
Date Collected: 03/06/12 10:10:07 PM
Data Type: Reprocessed on 03/07/12 2:13:34 PM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55846S02

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	3759.3	25.31	ug/L	0.498	2.201	mg/kg	0.0433	1.97%
Al 308.215	186889.6	80140	ug/L	267.5	6969	mg/kg	23.3	0.33%
As 188.979	104.7	21.10	ug/L	1.531	1.835	mg/kg	0.1332	7.26%
B	-316.5	279.6	ug/L	2.91	24.31	mg/kg	0.253	1.04%
Ba 233.527	52608.1	208.1	ug/L	2.48	18.09	mg/kg	0.215	1.19%
Be 313.107	12962.1	-5.220	ug/L	0.1179	-0.454	mg/kg	0.0103	2.26%
Ca 315.887	39452552.3	2284000	ug/L	31299.5	198600	mg/kg	2721.7	1.37%
Cd 214.440	1467.7	-17.48	ug/L	0.298	-1.520	mg/kg	0.0259	1.70%
Co 228.616	1705.3	-1.593	ug/L	0.3229	-0.139	mg/kg	0.0281	20.27%
Cr 267.716	11322.9	43.96	ug/L	0.328	3.823	mg/kg	0.0285	0.75%
Cu 327.393	3282.3	28.81	ug/L	0.284	2.506	mg/kg	0.0247	0.99%
Fe 273.955	1863432.5	54160	ug/L	374.0	4710	mg/kg	32.5	0.69%
K 766.490	79623.0	17770	ug/L	10.7	1545	mg/kg	0.9	0.06%
Mg 285.213	626488.3	18090	ug/L	63.4	1573	mg/kg	5.5	0.35%
Mn 257.610	81686.1	1064	ug/L	3.8	92.49	mg/kg	0.327	0.35%
Mo 202.031	4.1	-19.16	ug/L	0.614	-1.666	mg/kg	0.0534	3.20%
Na 589.592	9371.1	-306.9	ug/L	14.18	-26.69	mg/kg	1.233	4.62%
Ni 231.604	3392.4	19.97	ug/L	0.284	1.736	mg/kg	0.0247	1.42%
P 213.617	4564.0	576.8	ug/L	1.18	50.16	mg/kg	0.103	0.21%
Pb 220.353	324.5	17.07	ug/L	0.568	1.484	mg/kg	0.0494	3.33%
Sb 206.836	-27.1	-3.928	ug/L	0.8645	-0.342	mg/kg	0.0752	22.01%
Se 196.026	-50.7	-10.79	ug/L	3.461	-0.938	mg/kg	0.3009	32.07%
Sn 189.927	-287.5	-28.34	ug/L	0.508	-2.465	mg/kg	0.0442	1.79%
Sr 421.552	231157.4	203.5	ug/L	0.90	17.70	mg/kg	0.078	0.44%
Ti 337.279	26816.0	323.5	ug/L	3.03	28.13	mg/kg	0.263	0.94%
Tl 190.801	-147.2	-7.816	ug/L	0.9544	-0.680	mg/kg	0.0830	12.21%
V 292.402	41499.4	113.7	ug/L	1.03	9.886	mg/kg	0.0898	0.91%
Zn 206.200	17758.4	53.94	ug/L	0.838	4.690	mg/kg	0.0729	1.55%

Sequence No.: 108
Sample ID: AY55846S02-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.15 g
Dilution: 5X

Autosampler Location: 154
Date Collected: 03/06/12 11:56:02 PM
Data Type: Reprocessed on 03/07/12 2:13:55 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55846S02-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	639.9	4.308	ug/L	0.4082	1.873	mg/kg	0.1775	9.47%
Al 308.215	41201.8	17630	ug/L	480.1	7667	mg/kg	208.7	2.72%
As 188.979	6.7	1.355	ug/L	1.9820	0.589	mg/kg	0.8618	146.32%
B	-72.8	65.67	ug/L	2.263	28.55	mg/kg	0.984	3.45%
Ba 233.527	12410.7	49.11	ug/L	0.223	21.35	mg/kg	0.097	0.45%
Be 313.107	3338.7	-1.189	ug/L	0.0148	-0.517	mg/kg	0.0064	1.24%
Ca 315.887	9238493.0	534800	ug/L	12747.2	232500	mg/kg	5542.3	2.38%
Cd 214.440	370.8	-4.043	ug/L	0.0767	-1.758	mg/kg	0.0334	1.90%
Co 228.616	427.9	-0.036	ug/L	0.1574	-0.016	mg/kg	0.0684	438.02%
Cr 267.716	2532.4	9.558	ug/L	0.3421	4.156	mg/kg	0.1487	3.58%
Cu 327.393	426.7	3.746	ug/L	0.4915	1.629	mg/kg	0.2137	13.12%
Fe 273.955	437387.8	12710	ug/L	83.3	5528	mg/kg	36.2	0.66%
K 766.490	16927.9	3736	ug/L	142.8	1624	mg/kg	62.1	3.82%
Mg 285.213	137519.6	3952	ug/L	94.3	1718	mg/kg	41.0	2.38%
Mn 257.610	18347.0	238.6	ug/L	6.94	103.7	mg/kg	3.02	2.91%
Mo 202.031	23.8	-4.035	ug/L	0.4620	-1.754	mg/kg	0.2009	11.45%
Na 589.592	2304.3	-62.12	ug/L	13.405	-27.01	mg/kg	5.828	21.58%
Ni 231.604	797.2	4.725	ug/L	0.3289	2.054	mg/kg	0.1430	6.96%
P 213.617	966.8	122.2	ug/L	1.21	53.13	mg/kg	0.527	0.99%
Pb 220.353	79.8	4.197	ug/L	0.5436	1.825	mg/kg	0.2363	12.95%
Sb 206.836	-12.5	-1.805	ug/L	0.2874	-0.785	mg/kg	0.1249	15.92%
Se 196.026	-21.7	-4.627	ug/L	2.1752	-2.012	mg/kg	0.9457	47.01%
Sn 189.927	-253.2	-24.96	ug/L	0.703	-10.85	mg/kg	0.306	2.82%
Sr 421.552	54602.5	48.12	ug/L	1.204	20.92	mg/kg	0.524	2.50%
Ti 337.279	5935.9	71.21	ug/L	2.423	30.96	mg/kg	1.054	3.40%
Tl 190.801	-27.4	-1.399	ug/L	1.7757	-0.608	mg/kg	0.7720	126.91%
V 292.402	9562.4	26.09	ug/L	0.033	11.34	mg/kg	0.014	0.13%
Zn 206.200	4024.4	11.68	ug/L	0.425	5.077	mg/kg	0.1848	3.64%

Sequence No.: 88
Sample ID: AY55847802
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.2 g
Dilution:

Autosampler Location: 136
Date Collected: 03/06/12 10:15:15 PM
Data Type: Reprocessed on 03/07/12 2:13:35 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55847802

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	4237.5	28.53	ug/L	0.377	2.378	mg/kg	0.0315	1.32%
Al 308.215	92611.2	38300	ug/L	649.8	3191	mg/kg	54.1	1.70%
As 188.979	88.0	17.72	ug/L	2.087	1.476	mg/kg	0.1739	11.78%
B	-313.3	271.6	ug/L	3.93	22.63	mg/kg	0.328	1.45%
Ba 233.527	22542.3	78.70	ug/L	0.697	6.559	mg/kg	0.0581	0.89%
Be 313.107	7141.9	-7.134	ug/L	0.0244	-0.594	mg/kg	0.0020	0.34%
Ca 315.887	42106507.3	2438000	ug/L	2778.8	203100	mg/kg	231.6	0.11%
Cd 214.440	1560.0	-18.36	ug/L	0.070	-1.530	mg/kg	0.0058	0.38%
Co 228.616	1482.6	-4.499	ug/L	0.0212	-0.375	mg/kg	0.0018	0.47%
Cr 267.716	7092.7	15.22	ug/L	0.129	1.268	mg/kg	0.0108	0.85%
Cu 327.393	3765.5	33.06	ug/L	0.774	2.755	mg/kg	0.0645	2.34%
Fe 273.955	1694288.7	48960	ug/L	66.5	4080	mg/kg	5.5	0.14%
K 766.490	59040.1	12550	ug/L	207.4	1046	mg/kg	17.3	1.65%
Mg 285.213	687247.7	19890	ug/L	337.9	1657	mg/kg	28.2	1.70%
Mn 257.610	99306.5	1298	ug/L	22.7	108.2	mg/kg	1.89	1.75%
Mo 202.031	160.2	-17.63	ug/L	0.220	-1.469	mg/kg	0.0184	1.25%
Na 589.592	8208.9	-477.1	ug/L	2.52	-39.76	mg/kg	0.210	0.53%
Ni 231.604	3127.5	15.23	ug/L	0.231	1.269	mg/kg	0.0192	1.52%
P 213.617	4561.7	576.5	ug/L	3.25	48.05	mg/kg	0.271	0.56%
Pb 220.353	268.2	14.11	ug/L	0.388	1.176	mg/kg	0.0324	2.75%
Sb 206.836	-36.4	-5.274	ug/L	0.9329	-0.439	mg/kg	0.0777	17.69%
Se 196.026	-43.6	-9.290	ug/L	3.2040	-0.774	mg/kg	0.2670	34.49%
Sn 189.927	-311.4	-30.70	ug/L	0.307	-2.559	mg/kg	0.0256	1.00%
Sr 421.552	514418.0	482.1	ug/L	7.95	40.18	mg/kg	0.663	1.65%
Ti 337.279	16897.9	190.2	ug/L	1.28	15.85	mg/kg	0.107	0.67%
Tl 190.801	-137.0	-7.247	ug/L	0.9144	-0.604	mg/kg	0.0762	12.62%
V 292.402	41310.8	113.2	ug/L	0.53	9.435	mg/kg	0.0443	0.47%
Zn 206.200	30973.4	144.2	ug/L	0.31	12.02	mg/kg	0.026	0.22%

Sequence No.: 111
Sample ID: AY55847802-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.2 g
Dilution: 5X

Autosampler Location: 155
Date Collected: 03/07/12 12:15:35 AM
Data Type: Reprocessed on 03/07/12 2:13:58 PM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55847802-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	727.4	4.898	ug/L	0.3591	2.041	mg/kg	0.1496	7.33%
Al 308.215	20518.9	8442	ug/L	335.0	3517	mg/kg	139.6	3.97%
As 188.979	8.0	1.621	ug/L	1.4085	0.675	mg/kg	0.5869	86.91%
B	-83.3	61.95	ug/L	3.582	25.81	mg/kg	1.492	5.78%
Ba 233.527	4935.5	16.94	ug/L	0.120	7.059	mg/kg	0.0499	0.71%
Be 313.107	2237.7	-1.628	ug/L	0.0596	-0.678	mg/kg	0.0248	3.66%
Ca 315.887	10029457.9	580600	ug/L	20609.7	241900	mg/kg	8587.4	3.55%
Cd 214.440	371.4	-4.352	ug/L	0.1668	-1.813	mg/kg	0.0695	3.83%
Co 228.616	384.8	-0.686	ug/L	0.5023	-0.286	mg/kg	0.2093	73.25%
Cr 267.716	1558.1	2.814	ug/L	0.2564	1.172	mg/kg	0.1068	9.11%
Cu 327.393	410.1	3.600	ug/L	0.4778	1.500	mg/kg	0.1991	13.27%
Fe 273.955	390944.7	11280	ug/L	114.5	4701	mg/kg	47.7	1.01%
K 766.490	12612.7	2631	ug/L	60.3	1096	mg/kg	25.1	2.29%
Mg 285.213	148601.7	4271	ug/L	167.9	1780	mg/kg	70.0	3.93%
Mn 257.610	22394.8	292.3	ug/L	11.27	121.8	mg/kg	4.70	3.86%
Mo 202.031	54.4	-3.907	ug/L	0.4846	-1.628	mg/kg	0.2019	12.40%
Na 589.592	1903.2	-118.0	ug/L	7.62	-49.15	mg/kg	3.175	6.46%
Ni 231.604	744.5	3.642	ug/L	0.0652	1.518	mg/kg	0.0272	1.79%
P 213.617	949.5	120.0	ug/L	0.54	50.00	mg/kg	0.225	0.45%
Pb 220.353	76.0	3.999	ug/L	0.1241	1.666	mg/kg	0.0517	3.10%
Sb 206.836	-11.4	-1.645	ug/L	0.7619	-0.685	mg/kg	0.3175	46.32%
Se 196.026	-27.2	-5.797	ug/L	1.7638	-2.415	mg/kg	0.7349	30.43%
Sn 189.927	-255.6	-25.20	ug/L	0.639	-10.50	mg/kg	0.266	2.53%
Sr 421.552	117509.8	109.9	ug/L	4.48	45.78	mg/kg	1.866	4.08%
Ti 337.279	3614.2	39.88	ug/L	1.737	16.61	mg/kg	0.724	4.36%
Tl 190.801	-23.6	-1.201	ug/L	1.1379	-0.500	mg/kg	0.4741	94.77%
V 292.402	9345.9	25.36	ug/L	0.195	10.57	mg/kg	0.081	0.77%
Zn 206.200	7355.6	34.22	ug/L	0.616	14.26	mg/kg	0.257	1.80%

Sequence No.: 89
Sample ID: AY55848S02
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.13 g
Dilution:

Autosampler Location: 137
Date Collected: 03/06/12 10:20:55 PM
Data Type: Reprocessed on 03/07/12 2:13:36 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55848S02

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	3521.4	23.71	ug/L	0.470	2.098	mg/kg	0.0416	1.98%
Al 308.215	207377.5	89310	ug/L	865.4	7904	mg/kg	76.6	0.97%
As 188.979	123.2	24.81	ug/L	2.032	2.196	mg/kg	0.1798	8.19%
B	-663.8	203.0	ug/L	4.09	17.96	mg/kg	0.362	2.02%
Ba 233.527	61885.3	249.1	ug/L	3.24	22.04	mg/kg	0.287	1.30%
Be 313.107	3590.5	-5.072	ug/L	0.0497	-0.449	mg/kg	0.0044	0.98%
Ca 315.887	37752613.5	2185000	ug/L	7739.8	193400	mg/kg	684.9	0.35%
Cd 214.440	1346.5	-16.69	ug/L	0.246	-1.477	mg/kg	0.0218	1.48%
Co 228.616	2159.6	3.478	ug/L	0.6246	0.308	mg/kg	0.0553	17.96%
Cr 267.716	10872.1	41.99	ug/L	1.095	3.716	mg/kg	0.0969	2.61%
Cu 327.393	3433.8	30.14	ug/L	0.328	2.668	mg/kg	0.0290	1.09%
Fe 273.955	1739539.5	50510	ug/L	659.7	4470	mg/kg	58.4	1.31%
K 766.490	68340.8	15060	ug/L	175.4	1333	mg/kg	15.5	1.16%
Mg 285.213	614411.9	17760	ug/L	177.5	1572	mg/kg	15.7	1.00%
Mn 257.610	100026.6	1311	ug/L	12.1	116.0	mg/kg	1.07	0.92%
Mo 202.031	20.3	-18.14	ug/L	0.110	-1.606	mg/kg	0.0098	0.61%
Na 589.592	11756.3	-50.71	ug/L	10.479	-4.488	mg/kg	0.9273	20.66%
Ni 231.604	3738.3	25.55	ug/L	0.324	2.261	mg/kg	0.0287	1.27%
P 213.617	4606.7	582.2	ug/L	6.33	51.53	mg/kg	0.560	1.09%
Pb 220.353	440.5	23.17	ug/L	2.319	2.050	mg/kg	0.2052	10.01%
Sb 206.836	-41.7	-6.046	ug/L	1.4528	-0.535	mg/kg	0.1286	24.03%
Se 196.026	-53.6	-11.40	ug/L	12.310	-1.009	mg/kg	1.0894	107.97%
Sn 189.927	-309.8	-30.54	ug/L	1.477	-2.703	mg/kg	0.1307	4.84%
Sr 421.552	532552.2	502.6	ug/L	5.10	44.48	mg/kg	0.451	1.01%
Ti 337.279	51237.9	648.6	ug/L	10.72	57.40	mg/kg	0.949	1.65%
Tl 190.801	-172.0	-4.572	ug/L	4.3166	-0.405	mg/kg	0.3820	94.40%
V 292.402	42586.5	118.7	ug/L	2.69	10.50	mg/kg	0.238	2.27%
Zn 206.200	32426.6	162.0	ug/L	2.89	14.34	mg/kg	0.256	1.78%

Sequence No.: 112
Sample ID: AY55848S02-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.13 g
Dilution: 5X

Autosampler Location: 156
Date Collected: 03/07/12 12:21:39 AM
Data Type: Reprocessed on 03/07/12 2:13:59 PM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55848S02-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	654.6	4.408	ug/L	0.3601	1.950	mg/kg	0.1593	8.17%
Al 308.215	46479.4	19990	ug/L	573.2	8843	mg/kg	253.6	2.87%
As 188.979	11.4	2.302	ug/L	1.3938	1.019	mg/kg	0.6167	60.54%
B	-157.5	47.90	ug/L	2.269	21.20	mg/kg	1.004	4.74%
Ba 233.527	14039.2	56.33	ug/L	1.303	24.93	mg/kg	0.576	2.31%
Be 313.107	1648.7	-1.111	ug/L	0.0565	-0.491	mg/kg	0.0250	5.09%
Ca 315.887	8970187.7	519300	ug/L	12802.2	229800	mg/kg	5664.7	2.47%
Cd 214.440	396.7	-3.804	ug/L	0.0934	-1.683	mg/kg	0.0413	2.46%
Co 228.616	537.4	1.132	ug/L	0.2598	0.501	mg/kg	0.1149	22.95%
Cr 267.716	2500.6	9.463	ug/L	0.0876	4.187	mg/kg	0.0388	0.93%
Cu 327.393	414.7	3.641	ug/L	0.0949	1.611	mg/kg	0.0420	2.61%
Fe 273.955	410718.8	11920	ug/L	429.4	5276	mg/kg	190.0	3.60%
K 766.490	14704.7	3200	ug/L	59.8	1416	mg/kg	26.5	1.87%
Mg 285.213	137964.5	3974	ug/L	103.9	1758	mg/kg	46.0	2.62%
Mn 257.610	23440.1	307.1	ug/L	6.22	135.9	mg/kg	2.75	2.03%
Mo 202.031	15.6	-4.099	ug/L	0.2301	-1.814	mg/kg	0.1018	5.61%
Na 589.592	2772.7	-13.66	ug/L	15.712	-6.045	mg/kg	6.9522	115.00%
Ni 231.604	907.9	6.350	ug/L	0.1950	2.810	mg/kg	0.0863	3.07%
P 213.617	1006.8	127.2	ug/L	2.95	56.30	mg/kg	1.306	2.32%
Pb 220.353	122.5	6.443	ug/L	0.7016	2.851	mg/kg	0.3105	10.89%
Sb 206.836	-13.9	-2.014	ug/L	0.7351	-0.891	mg/kg	0.3253	36.50%
Se 196.026	-18.7	-3.983	ug/L	0.6226	-1.763	mg/kg	0.2755	15.63%
Sn 189.927	-248.2	-24.47	ug/L	0.646	-10.83	mg/kg	0.286	2.64%
Sr 421.552	126546.1	119.4	ug/L	2.99	52.85	mg/kg	1.323	2.50%
Ti 337.279	11451.0	144.5	ug/L	2.71	63.95	mg/kg	1.200	1.88%
Tl 190.801	-38.7	-1.059	ug/L	0.6949	-0.469	mg/kg	0.3075	65.61%
V 292.402	9582.2	26.39	ug/L	0.794	11.68	mg/kg	0.351	3.01%
Zn 206.200	7716.7	38.60	ug/L	1.172	17.08	mg/kg	0.519	3.04%

Sequence No.: 90
Sample ID: AY55849S02
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.12 g
Dilution:

Autosampler Location: 138
Date Collected: 03/06/12 10:25:34 PM
Data Type: Reprocessed on 03/07/12 2:13:37 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55849S02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	3601.8	24.25	ug/L	0.620	2.165	mg/kg	0.0554	2.56%
Al 308.215	235706.7	101800	ug/L	381.7	9088	mg/kg	34.1	0.38%
As 188.979	132.2	26.62	ug/L	6.366	2.377	mg/kg	0.5684	23.91%
B	-54.4	325.8	ug/L	13.01	29.08	mg/kg	1.162	3.99%
Ba 233.527	77865.4	317.1	ug/L	3.52	28.31	mg/kg	0.315	1.11%
Be 313.107	6895.5	-4.917	ug/L	0.0631	-0.439	mg/kg	0.0056	1.28%
Ca 315.887	38387598.4	2222000	ug/L	22839.7	198400	mg/kg	2039.3	1.03%
Cd 214.440	2253.4	-15.30	ug/L	0.284	-1.366	mg/kg	0.0254	1.86%
Co 228.616	2687.9	8.825	ug/L	0.5201	0.788	mg/kg	0.0464	5.89%
Cr 267.716	18146.9	86.27	ug/L	0.370	7.703	mg/kg	0.0330	0.43%
Cu 327.393	14572.7	127.9	ug/L	1.49	11.42	mg/kg	0.133	1.17%
Fe 273.955	1895149.8	55130	ug/L	655.9	4922	mg/kg	58.6	1.19%
K 766.490	104605.4	23990	ug/L	155.2	2142	mg/kg	13.9	0.65%
Mg 285.213	1100090.7	32720	ug/L	93.6	2922	mg/kg	8.4	0.29%
Mn 257.610	223889.0	2971	ug/L	9.3	265.3	mg/kg	0.83	0.31%
Mo 202.031	-3.7	-18.41	ug/L	0.933	-1.644	mg/kg	0.0833	5.07%
Na 589.592	18720.7	534.5	ug/L	14.13	47.72	mg/kg	1.262	2.64%
Ni 231.604	5890.8	53.31	ug/L	0.864	4.760	mg/kg	0.0771	1.62%
P 213.617	6558.0	828.9	ug/L	7.13	74.00	mg/kg	0.637	0.86%
Pb 220.353	6394.3	336.3	ug/L	1.23	30.03	mg/kg	0.110	0.37%
Sb 206.836	22.9	3.319	ug/L	6.1189	0.296	mg/kg	0.5463	184.36%
Se 196.026	-52.1	-11.08	ug/L	0.855	-0.989	mg/kg	0.0764	7.72%
Sn 189.927	-183.6	-18.10	ug/L	0.932	-1.616	mg/kg	0.0832	5.15%
Sr 421.552	1266481.4	1228	ug/L	5.0	109.6	mg/kg	0.44	0.41%
Ti 337.279	48547.6	611.9	ug/L	3.82	54.63	mg/kg	0.341	0.63%
Tl 190.801	-304.4	-3.156	ug/L	3.2198	-0.282	mg/kg	0.2875	102.01%
V 292.402	79483.2	244.4	ug/L	2.73	21.82	mg/kg	0.244	1.12%
Zn 206.200	165016.3	1110	ug/L	17.2	99.07	mg/kg	1.535	1.55%

Sequence No.: 113
Sample ID: AY55849802-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.12 g
Dilution: 5X

Autosampler Location: 157
Date Collected: 03/07/12 12:27:58 AM
Data Type: Reprocessed on 03/07/12 2:14:00 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55849802-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	605.7	4.079	ug/L	0.0234	1.821	mg/kg	0.0104	0.57%
Al 308.215	50505.4	21770	ug/L	842.9	9721	mg/kg	376.3	3.87%
As 188.979	16.1	3.242	ug/L	0.8289	1.447	mg/kg	0.3700	25.56%
B	-8.1	74.09	ug/L	2.174	33.08	mg/kg	0.970	2.93%
Ba 233.527	17333.9	70.54	ug/L	0.212	31.49	mg/kg	0.095	0.30%
Be 313.107	1986.3	-1.098	ug/L	0.0602	-0.490	mg/kg	0.0269	5.48%
Ca 315.887	8784744.0	508500	ug/L	28618.1	227000	mg/kg	12775.9	5.63%
Cd 214.440	558.0	-3.398	ug/L	0.1717	-1.517	mg/kg	0.0766	5.05%
Co 228.616	650.1	2.461	ug/L	0.3196	1.099	mg/kg	0.1427	12.99%
Cr 267.716	3968.4	18.61	ug/L	0.377	8.308	mg/kg	0.1685	2.03%
Cu 327.393	2606.5	22.88	ug/L	0.718	10.22	mg/kg	0.320	3.14%
Fe 273.955	422712.2	12290	ug/L	48.5	5485	mg/kg	21.7	0.40%
K 766.490	22119.7	5041	ug/L	254.0	2250	mg/kg	113.4	5.04%
Mg 285.213	236890.0	7030	ug/L	292.5	3138	mg/kg	130.6	4.16%
Mn 257.610	48651.0	645.3	ug/L	26.31	288.1	mg/kg	11.75	4.08%
Mo 202.031	17.8	-3.868	ug/L	0.2283	-1.727	mg/kg	0.1019	5.90%
Na 589.592	4382.6	131.2	ug/L	0.68	58.57	mg/kg	0.304	0.52%
Ni 231.604	1333.5	12.03	ug/L	0.417	5.372	mg/kg	0.1862	3.47%
P 213.617	1354.3	171.2	ug/L	0.98	76.41	mg/kg	0.436	0.57%
Pb 220.353	1485.9	78.16	ug/L	0.593	34.89	mg/kg	0.265	0.76%
Sb 206.836	2.0	0.286	ug/L	0.2796	0.128	mg/kg	0.1248	97.79%
Se 196.026	-16.9	-3.602	ug/L	0.5088	-1.608	mg/kg	0.2271	14.12%
Sn 189.927	-219.4	-21.63	ug/L	0.057	-9.656	mg/kg	0.0254	0.26%
Sr 421.552	286072.9	277.3	ug/L	11.57	123.8	mg/kg	5.16	4.17%
Ti 337.279	10253.6	128.7	ug/L	6.38	57.46	mg/kg	2.847	4.96%
Tl 190.801	-64.8	-0.708	ug/L	1.3013	-0.316	mg/kg	0.5809	183.68%
V 292.402	17420.2	53.37	ug/L	0.083	23.83	mg/kg	0.037	0.16%
Zn 206.200	37848.6	254.6	ug/L	1.17	113.6	mg/kg	0.52	0.46%

Sequence No.: 91
Sample ID: AY55850802
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.17 g
Dilution:

Autosampler Location: 139
Date Collected: 03/06/12 10:30:17 PM
Data Type: Reprocessed on 03/07/12 2:13:38 PM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55850802

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	3956.6	26.64	ug/L	0.599	2.277	mg/kg	0.0512	2.25%
Al 308.215	235903.7	101700	ug/L	1601.8	8692	mg/kg	136.9	1.58%
As 188.979	101.0	20.34	ug/L	7.018	1.738	mg/kg	0.5998	34.51%
B	-177.8	309.0	ug/L	6.33	26.41	mg/kg	0.541	2.05%
Ba 233.527	60103.2	240.1	ug/L	2.15	20.52	mg/kg	0.184	0.90%
Be 313.107	10182.6	-5.570	ug/L	0.1079	-0.476	mg/kg	0.0092	1.94%
Ca 315.887	41380955.3	2396000	ug/L	24224.0	204700	mg/kg	2070.4	1.01%
Cd 214.440	1518.8	-18.02	ug/L	0.168	-1.540	mg/kg	0.0143	0.93%
Co 228.616	1406.7	-6.194	ug/L	0.4015	-0.529	mg/kg	0.0343	6.48%
Cr 267.716	12987.1	53.38	ug/L	0.454	4.562	mg/kg	0.0388	0.85%
Cu 327.393	3407.3	29.91	ug/L	0.804	2.557	mg/kg	0.0687	2.69%
Fe 273.955	1830249.4	53050	ug/L	525.7	4534	mg/kg	44.9	0.99%
K 766.490	92075.1	20750	ug/L	345.2	1774	mg/kg	29.5	1.66%
Mg 285.213	690417.8	19990	ug/L	314.0	1709	mg/kg	26.8	1.57%
Mn 257.610	55437.7	709.7	ug/L	11.48	60.66	mg/kg	0.981	1.62%
Mo 202.031	-54.9	-21.69	ug/L	0.058	-1.853	mg/kg	0.0050	0.27%
Na 589.592	10147.2	-295.1	ug/L	13.09	-25.22	mg/kg	1.119	4.44%
Ni 231.604	3491.1	20.04	ug/L	0.599	1.713	mg/kg	0.0512	2.99%
P 213.617	3916.4	495.0	ug/L	6.19	42.31	mg/kg	0.529	1.25%
Pb 220.353	389.3	20.48	ug/L	2.452	1.750	mg/kg	0.2095	11.97%
Sb 206.836	-60.1	-8.700	ug/L	1.5916	-0.744	mg/kg	0.1360	18.30%
Se 196.026	-75.4	-16.05	ug/L	12.600	-1.372	mg/kg	1.0769	78.49%
Sn 189.927	-291.9	-28.78	ug/L	0.907	-2.460	mg/kg	0.0775	3.15%
Sr 421.552	325964.6	296.0	ug/L	4.76	25.30	mg/kg	0.407	1.61%
Ti 337.279	36829.8	454.5	ug/L	8.07	38.84	mg/kg	0.690	1.78%
Tl 190.801	-122.3	-7.158	ug/L	5.8410	-0.612	mg/kg	0.4992	81.60%
V 292.402	46060.0	128.6	ug/L	1.28	10.99	mg/kg	0.109	0.99%
Zn 206.200	30086.3	138.7	ug/L	2.52	11.86	mg/kg	0.216	1.82%

Sequence No.: 114
Sample ID: AY55850S02-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.17 g
Dilution: 5X

Autosampler Location: 38
Date Collected: 03/07/12 12:35:04 AM
Data Type: Reprocessed on 03/07/12 2:14:01 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55850S02-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	677.5	4.562	ug/L	0.3299	1.949	mg/kg	0.1410	7.23%
Al 308.215	49655.9	21350	ug/L	670.6	9125	mg/kg	286.6	3.14%
As 188.979	8.5	1.704	ug/L	1.1543	0.728	mg/kg	0.4933	67.75%
B	-38.0	72.07	ug/L	0.480	30.80	mg/kg	0.205	0.67%
Ba 233.527	13898.8	55.51	ug/L	0.188	23.72	mg/kg	0.080	0.34%
Be 313.107	2656.1	-1.274	ug/L	0.0712	-0.544	mg/kg	0.0304	5.59%
Ca 315.887	9591195.3	555200	ug/L	24331.1	237300	mg/kg	10397.9	4.38%
Cd 214.440	420.6	-4.046	ug/L	0.2473	-1.729	mg/kg	0.1057	6.11%
Co 228.616	383.6	-0.757	ug/L	0.2030	-0.324	mg/kg	0.0867	26.80%
Cr 267.716	2906.6	11.74	ug/L	0.262	5.017	mg/kg	0.1120	2.23%
Cu 327.393	351.8	3.088	ug/L	0.2003	1.320	mg/kg	0.0856	6.49%
Fe 273.955	425343.0	12330	ug/L	53.2	5270	mg/kg	22.7	0.43%
K 766.490	19160.3	4271	ug/L	80.6	1825	mg/kg	34.4	1.89%
Mg 285.213	146139.9	4206	ug/L	125.5	1798	mg/kg	53.6	2.98%
Mn 257.610	12095.4	154.4	ug/L	6.84	65.99	mg/kg	2.922	4.43%
Mo 202.031	17.5	-4.423	ug/L	0.2675	-1.890	mg/kg	0.1143	6.05%
Na 589.592	2130.0	-87.49	ug/L	24.724	-37.39	mg/kg	10.566	28.26%
Ni 231.604	825.5	4.885	ug/L	0.4119	2.088	mg/kg	0.1760	8.43%
P 213.617	815.5	103.1	ug/L	1.80	44.05	mg/kg	0.770	1.75%
Pb 220.353	104.9	5.516	ug/L	0.3109	2.357	mg/kg	0.1329	5.64%
Sb 206.836	-11.2	-1.617	ug/L	0.7845	-0.691	mg/kg	0.3353	48.51%
Se 196.026	-22.8	-4.855	ug/L	1.8259	-2.075	mg/kg	0.7803	37.61%
Sn 189.927	-252.6	-24.90	ug/L	0.497	-10.64	mg/kg	0.213	2.00%
Sr 421.552	72608.7	65.71	ug/L	2.074	28.08	mg/kg	0.886	3.16%
Ti 337.279	7863.7	96.45	ug/L	4.519	41.22	mg/kg	1.931	4.69%
Tl 190.801	-34.8	-2.343	ug/L	0.1607	-1.001	mg/kg	0.0687	6.86%
V 292.402	10119.0	27.90	ug/L	0.139	11.92	mg/kg	0.059	0.50%
Zn 206.200	7000.7	32.37	ug/L	0.743	13.83	mg/kg	0.318	2.30%

Sequence No.: 92
Sample ID: AY55851S02
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.04 g
Dilution:

Autosampler Location: 140
Date Collected: 03/06/12 10:35:24 PM
Data Type: Reprocessed on 03/07/12 2:13:39 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55851S02

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	16280.8	109.6	ug/L	2.44	10.54	mg/kg	0.234	2.22%
Al 308.215	171029.3	73110	ug/L	709.5	7029	mg/kg	68.2	0.97%
As 188.979	103.0	20.75	ug/L	2.053	1.995	mg/kg	0.1974	9.89%
B	99.5	329.1	ug/L	6.14	31.65	mg/kg	0.591	1.87%
Ba 233.527	116832.2	486.3	ug/L	0.72	46.76	mg/kg	0.069	0.15%
Be 313.107	6568.8	-5.771	ug/L	0.0227	-0.555	mg/kg	0.0022	0.39%
Ca 315.887	39755338.6	2301000	ug/L	18643.8	221300	mg/kg	1792.7	0.81%
Cd 214.440	20318.2	23.11	ug/L	0.866	2.222	mg/kg	0.0833	3.75%
Co 228.616	2860.8	10.97	ug/L	0.838	1.055	mg/kg	0.0806	7.64%
Cr 267.716	13316.7	54.68	ug/L	0.579	5.258	mg/kg	0.0557	1.06%
Cu 327.393	114785.4	1008	ug/L	7.8	96.89	mg/kg	0.750	0.77%
Fe 273.955	1620107.4	46800	ug/L	117.9	4500	mg/kg	11.3	0.25%
K 766.490	78989.0	17590	ug/L	186.9	1692	mg/kg	18.0	1.06%
Mg 285.213	1064013.0	31570	ug/L	291.8	3036	mg/kg	28.1	0.92%
Mn 257.610	206514.7	2737	ug/L	27.4	263.2	mg/kg	2.64	1.00%
Mo 202.031	269.6	-14.30	ug/L	1.697	-1.375	mg/kg	0.1632	11.87%
Na 589.592	16843.4	337.5	ug/L	16.34	32.45	mg/kg	1.571	4.84%
Ni 231.604	16189.5	190.6	ug/L	1.76	18.33	mg/kg	0.169	0.92%
P 213.617	5296.1	669.4	ug/L	13.02	64.36	mg/kg	1.252	1.94%
Pb 220.353	7742.4	407.2	ug/L	10.52	39.16	mg/kg	1.012	2.58%
Sb 206.836	88.5	12.82	ug/L	0.609	1.233	mg/kg	0.0586	4.75%
Se 196.026	-8.4	-1.791	ug/L	10.6839	-0.172	mg/kg	1.0273	596.50%
Sn 189.927	458.5	45.20	ug/L	1.545	4.346	mg/kg	0.1485	3.42%
Sr 421.552	1309709.1	1270	ug/L	12.0	122.1	mg/kg	1.15	0.94%
Ti 337.279	36753.4	454.7	ug/L	3.46	43.72	mg/kg	0.333	0.76%
Tl 190.801	-270.7	-5.012	ug/L	1.1683	-0.482	mg/kg	0.1123	23.31%
V 292.402	43941.1	124.0	ug/L	1.36	11.92	mg/kg	0.131	1.10%
Zn 206.200	213875.2	1457	ug/L	5.3	140.1	mg/kg	0.51	0.36%

Sequence No.: 115
Sample ID: AY55851S02-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.04 g
Dilution: 5X

Autosampler Location: 39
Date Collected: 03/07/12 12:41:21 AM
Data Type: Reprocessed on 03/07/12 2:14:02 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55851S02-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	3250.6	21.89	ug/L	0.318	10.52	mg/kg	0.153	1.45%
Al 308.215	37631.8	16050	ug/L	571.8	7714	mg/kg	274.9	3.56%
As 188.979	7.5	1.515	ug/L	0.4823	0.729	mg/kg	0.2319	31.82%
B	8.7	74.75	ug/L	0.872	35.94	mg/kg	0.419	1.17%
Ba 233.527	27464.5	114.3	ug/L	0.32	54.96	mg/kg	0.156	0.28%
Be 313.107	2244.7	-1.287	ug/L	0.0427	-0.619	mg/kg	0.0205	3.31%
Ca 315.887	9389375.9	543600	ug/L	18050.5	261300	mg/kg	8678.1	3.32%
Cd 214.440	4796.6	5.451	ug/L	0.1107	2.621	mg/kg	0.0532	2.03%
Co 228.616	699.6	2.897	ug/L	0.2892	1.393	mg/kg	0.1390	9.98%
Cr 267.716	2983.2	11.93	ug/L	0.082	5.734	mg/kg	0.0394	0.69%
Cu 327.393	23943.1	210.2	ug/L	2.00	101.1	mg/kg	0.96	0.95%
Fe 273.955	378933.7	10940	ug/L	102.3	5262	mg/kg	49.2	0.93%
K 766.490	17133.5	3779	ug/L	102.3	1817	mg/kg	49.2	2.71%
Mg 285.213	236096.7	6988	ug/L	243.2	3359	mg/kg	116.9	3.48%
Mn 257.610	46268.5	612.9	ug/L	20.87	294.6	mg/kg	10.03	3.41%
Mo 202.031	79.3	-3.078	ug/L	0.1282	-1.480	mg/kg	0.0616	4.16%
Na 589.592	3900.4	73.14	ug/L	6.873	35.16	mg/kg	3.304	9.40%
Ni 231.604	3780.2	44.46	ug/L	0.058	21.38	mg/kg	0.028	0.13%
P 213.617	1092.5	138.1	ug/L	1.10	66.39	mg/kg	0.531	0.80%
Pb 220.353	1833.7	96.45	ug/L	0.372	46.37	mg/kg	0.179	0.39%
Sb 206.836	12.1	1.754	ug/L	0.6036	0.843	mg/kg	0.2902	34.40%
Se 196.026	-18.6	-3.950	ug/L	2.3590	-1.899	mg/kg	1.1341	59.71%
Sn 189.927	-74.4	-7.338	ug/L	0.4610	-3.528	mg/kg	0.2217	6.28%
Sr 421.552	302673.4	293.4	ug/L	10.47	141.0	mg/kg	5.03	3.57%
Ti 337.279	7910.2	97.20	ug/L	5.220	46.73	mg/kg	2.509	5.37%
Tl 190.801	-54.7	-0.811	ug/L	0.2451	-0.390	mg/kg	0.1178	30.20%
V 292.402	9637.0	26.77	ug/L	0.105	12.87	mg/kg	0.051	0.39%
Zn 206.200	51615.4	352.1	ug/L	3.00	169.3	mg/kg	1.44	0.85%

Sequence No.: 93
Sample ID: AY55852802
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution:

Autosampler Location: 141
Date Collected: 03/06/12 10:40:11 PM
Data Type: Reprocessed on 03/07/12 2:13:40 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55852802

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	2897.0	19.51	ug/L	0.378	1.806	mg/kg	0.0350	1.94%
Al 308.215	316736.1	137900	ug/L	1171.8	12770	mg/kg	108.5	0.85%
As 188.979	178.5	35.95	ug/L	6.103	3.329	mg/kg	0.5651	16.98%
B	-155.0	401.6	ug/L	5.17	37.18	mg/kg	0.479	1.29%
Ba 233.527	68267.1	270.6	ug/L	2.70	25.06	mg/kg	0.250	1.00%
Be 313.107	18387.5	-2.310	ug/L	0.0218	-0.214	mg/kg	0.0020	0.94%
Ca 315.887	33697097.3	1951000	ug/L	12756.6	180600	mg/kg	1181.2	0.65%
Cd 214.440	2161.3	-15.53	ug/L	0.083	-1.438	mg/kg	0.0077	0.54%
Co 228.616	2714.8	9.794	ug/L	0.3780	0.907	mg/kg	0.0350	3.86%
Cr 267.716	17141.5	84.08	ug/L	0.758	7.786	mg/kg	0.0702	0.90%
Cu 327.393	8421.2	73.93	ug/L	0.747	6.845	mg/kg	0.0691	1.01%
Fe 273.955	3053101.9	90230	ug/L	834.0	8355	mg/kg	77.2	0.92%
K 766.490	145384.7	34290	ug/L	495.9	3175	mg/kg	45.9	1.45%
Mg 285.213	899286.3	26670	ug/L	238.5	2469	mg/kg	22.1	0.89%
Mn 257.610	142516.9	1885	ug/L	5.2	174.5	mg/kg	0.48	0.27%
Mo 202.031	-80.1	-15.47	ug/L	0.809	-1.432	mg/kg	0.0749	5.23%
Na 589.592	12029.4	68.60	ug/L	10.246	6.352	mg/kg	0.9487	14.94%
Ni 231.604	6075.6	57.79	ug/L	1.918	5.351	mg/kg	0.1776	3.32%
P 213.617	6022.5	761.2	ug/L	9.39	70.48	mg/kg	0.869	1.23%
Pb 220.353	710.9	37.39	ug/L	1.264	3.462	mg/kg	0.1171	3.38%
Sb 206.836	-27.3	-3.959	ug/L	1.1288	-0.367	mg/kg	0.1045	28.51%
Se 196.026	-61.6	-13.11	ug/L	12.653	-1.214	mg/kg	1.1716	96.51%
Sn 189.927	-288.4	-28.44	ug/L	2.589	-2.633	mg/kg	0.2398	9.11%
Sr 421.552	319984.1	294.3	ug/L	2.33	27.25	mg/kg	0.215	0.79%
Ti 337.279	50377.0	639.9	ug/L	2.23	59.25	mg/kg	0.207	0.35%
Tl 190.801	-237.4	-4.374	ug/L	1.6746	-0.405	mg/kg	0.1551	38.29%
V 292.402	77340.9	230.6	ug/L	2.03	21.35	mg/kg	0.188	0.88%
Zn 206.200	23565.5	103.3	ug/L	2.11	9.565	mg/kg	0.1951	2.04%

Sequence No.: 116
Sample ID: AY55852802-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution: 5X

Autosampler Location: 40
Date Collected: 03/07/12 12:48:19 AM
Data Type: Reprocessed on 03/07/12 2:14:03 PM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55852802-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	543.8	3.662	ug/L	0.3805	1.695	mg/kg	0.1762	10.39%
Al 308.215	66533.7	28940	ug/L	435.7	13400	mg/kg	201.7	1.51%
As 188.979	10.5	2.105	ug/L	1.2796	0.975	mg/kg	0.5924	60.78%
B	-62.5	87.66	ug/L	7.027	40.58	mg/kg	3.253	8.02%
Ba 233.527	16150.5	64.20	ug/L	0.075	29.72	mg/kg	0.035	0.12%
Be 313.107	4808.0	-0.426	ug/L	0.0611	-0.197	mg/kg	0.0283	14.36%
Ca 315.887	7353400.6	425700	ug/L	4098.9	197100	mg/kg	1897.6	0.96%
Cd 214.440	596.1	-3.238	ug/L	0.0938	-1.499	mg/kg	0.0434	2.90%
Co 228.616	690.1	3.203	ug/L	0.1419	1.483	mg/kg	0.0657	4.43%
Cr 267.716	3949.1	19.72	ug/L	0.222	9.127	mg/kg	0.1026	1.12%
Cu 327.393	1560.6	13.70	ug/L	0.029	6.342	mg/kg	0.0134	0.21%
Fe 273.955	719622.6	21300	ug/L	202.9	9861	mg/kg	94.0	0.95%
K 766.490	29914.3	7036	ug/L	102.7	3257	mg/kg	47.5	1.46%
Mg 285.213	189892.0	5624	ug/L	66.8	2604	mg/kg	30.9	1.19%
Mn 257.610	29492.9	389.8	ug/L	6.82	180.4	mg/kg	3.16	1.75%
Mo 202.031	6.1	-2.808	ug/L	0.0608	-1.300	mg/kg	0.0282	2.17%
Na 589.592	2551.3	8.279	ug/L	9.3773	3.833	mg/kg	4.3413	113.26%
Ni 231.604	1482.1	14.68	ug/L	0.520	6.797	mg/kg	0.2406	3.54%
P 213.617	1302.0	164.6	ug/L	1.02	76.18	mg/kg	0.473	0.62%
Pb 220.353	183.8	9.670	ug/L	0.2855	4.477	mg/kg	0.1322	2.95%
Sb 206.836	-9.7	-1.410	ug/L	0.4411	-0.653	mg/kg	0.2042	31.29%
Se 196.026	-11.1	-2.371	ug/L	1.5883	-1.098	mg/kg	0.7353	66.98%
Sn 189.927	-237.1	-23.37	ug/L	0.331	-10.82	mg/kg	0.153	1.41%
Sr 421.552	70067.9	64.46	ug/L	0.682	29.84	mg/kg	0.316	1.06%
Ti 337.279	10240.5	129.7	ug/L	2.07	60.04	mg/kg	0.959	1.60%
Tl 190.801	-58.2	-1.687	ug/L	0.8786	-0.781	mg/kg	0.4068	52.08%
V 292.402	17867.4	53.37	ug/L	0.184	24.71	mg/kg	0.085	0.34%
Zn 206.200	5531.3	25.26	ug/L	0.215	11.69	mg/kg	0.100	0.85%

Sequence No.: 94
Sample ID: AY55853302
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.14 g
Dilution:

Autosampler Location: 142
Date Collected: 03/06/12 10:45:09 PM
Data Type: Reprocessed on 03/07/12 2:13:41 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55853302

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	2545.0	17.14	ug/L	0.549	1.503	mg/kg	0.0482	3.20%
Al 308.215	429797.9	188000	ug/L	2708.2	16490	mg/kg	237.6	1.44%
As 188.979	256.4	51.65	ug/L	3.569	4.531	mg/kg	0.3131	6.91%
B	-1110.3	274.7	ug/L	11.86	24.10	mg/kg	1.040	4.32%
Ba 233.527	108157.1	441.0	ug/L	3.52	38.68	mg/kg	0.309	0.80%
Be 313.107	9751.7	-0.797	ug/L	0.0795	-0.070	mg/kg	0.0070	9.98%
Ca 315.887	31152973.3	1803000	ug/L	2856.1	158200	mg/kg	250.5	0.16%
Cd 214.440	2571.5	-14.12	ug/L	0.106	-1.238	mg/kg	0.0093	0.75%
Co 228.616	3440.6	16.63	ug/L	1.168	1.459	mg/kg	0.1024	7.02%
Cr 267.716	26515.9	145.2	ug/L	2.61	12.74	mg/kg	0.229	1.80%
Cu 327.393	8589.9	75.41	ug/L	0.690	6.615	mg/kg	0.0605	0.92%
Fe 273.955	3496286.8	103700	ug/L	701.5	9094	mg/kg	61.5	0.68%
K 766.490	147449.1	34930	ug/L	520.3	3064	mg/kg	45.6	1.49%
Mg 285.213	952365.8	28380	ug/L	432.5	2489	mg/kg	37.9	1.52%
Mn 257.610	143372.9	1898	ug/L	14.8	166.5	mg/kg	1.29	0.78%
Mo 202.031	39.9	-11.18	ug/L	0.246	-0.981	mg/kg	0.0216	2.20%
Na 589.592	11357.2	73.27	ug/L	11.218	6.427	mg/kg	0.9840	15.31%
Ni 231.604	6837.0	68.78	ug/L	1.323	6.033	mg/kg	0.1161	1.92%
P 213.617	9821.6	1241	ug/L	16.7	108.9	mg/kg	1.47	1.35%
Pb 220.353	987.9	51.96	ug/L	2.042	4.558	mg/kg	0.1792	3.93%
Sb 206.836	-31.0	-4.484	ug/L	1.8338	-0.393	mg/kg	0.1609	40.89%
Se 196.026	-14.1	-3.003	ug/L	3.9960	-0.263	mg/kg	0.3505	133.08%
Sn 189.927	-274.6	-27.07	ug/L	0.980	-2.374	mg/kg	0.0860	3.62%
Sr 421.552	597872.0	570.4	ug/L	8.52	50.04	mg/kg	0.747	1.49%
Ti 337.279	98730.9	1283	ug/L	14.0	112.5	mg/kg	1.23	1.09%
Tl 190.801	-246.2	2.225	ug/L	6.6332	0.195	mg/kg	0.5819	298.06%
V 292.402	96311.7	293.4	ug/L	2.45	25.74	mg/kg	0.215	0.84%
Zn 206.200	30350.4	155.7	ug/L	3.28	13.65	mg/kg	0.288	2.11%

Sequence No.: 117
Sample ID: AY55853S02-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.14 g
Dilution: 5X

Autosampler Location: 41
Date Collected: 03/07/12 12:53:38 AM
Data Type: Reprocessed on 03/07/12 2:14:04 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55853S02-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	436.5	2.939	ug/L	0.3308	1.289	mg/kg	0.1451	11.25%
Al 308.215	87766.7	38360	ug/L	79.8	16820	mg/kg	35.0	0.21%
As 188.979	40.0	8.055	ug/L	0.6502	3.533	mg/kg	0.2852	8.07%
B	-194.3	73.88	ug/L	1.402	32.40	mg/kg	0.615	1.90%
Ba 233.527	25588.5	104.5	ug/L	0.39	45.82	mg/kg	0.171	0.37%
Be 313.107	2618.9	-0.173	ug/L	0.0438	-0.076	mg/kg	0.0192	25.27%
Ca 315.887	6868196.7	397600	ug/L	1565.0	174400	mg/kg	686.4	0.39%
Cd 214.440	646.1	-3.069	ug/L	0.0457	-1.346	mg/kg	0.0200	1.49%
Co 228.616	864.0	4.847	ug/L	0.3458	2.126	mg/kg	0.1517	7.13%
Cr 267.716	6092.5	33.65	ug/L	0.326	14.76	mg/kg	0.143	0.97%
Cu 327.393	1607.5	14.11	ug/L	0.188	6.190	mg/kg	0.0822	1.33%
Fe 273.955	824471.4	24480	ug/L	147.0	10730	mg/kg	64.5	0.60%
K 766.490	30111.5	7108	ug/L	32.2	3118	mg/kg	14.1	0.45%
Mg 285.213	196498.1	5841	ug/L	15.8	2562	mg/kg	6.9	0.27%
Mn 257.610	29939.3	396.1	ug/L	6.67	173.7	mg/kg	2.93	1.68%
Mo 202.031	20.2	-2.118	ug/L	0.3556	-0.929	mg/kg	0.1560	16.79%
Na 589.592	2494.4	15.26	ug/L	9.693	6.692	mg/kg	4.2515	63.53%
Ni 231.604	1656.7	17.16	ug/L	0.341	7.526	mg/kg	0.1497	1.99%
P 213.617	2162.9	273.4	ug/L	0.90	119.9	mg/kg	0.40	0.33%
Pb 220.353	262.5	13.81	ug/L	0.362	6.055	mg/kg	0.1589	2.62%
Sb 206.836	-13.9	-2.007	ug/L	0.4580	-0.880	mg/kg	0.2009	22.81%
Se 196.026	-19.3	-4.102	ug/L	3.4604	-1.799	mg/kg	1.5177	84.36%
Sn 189.927	-239.5	-23.61	ug/L	0.447	-10.35	mg/kg	0.196	1.89%
Sr 421.552	127590.5	121.6	ug/L	0.39	53.32	mg/kg	0.170	0.32%
Ti 337.279	20511.3	266.2	ug/L	5.10	116.8	mg/kg	2.24	1.92%
Tl 190.801	-74.9	-1.422	ug/L	0.4509	-0.624	mg/kg	0.1978	31.71%
V 292.402	22256.2	67.86	ug/L	0.290	29.77	mg/kg	0.127	0.43%
Zn 206.200	7187.0	37.82	ug/L	0.314	16.59	mg/kg	0.138	0.83%

Sequence No.: 95
Sample ID: AY55854S02
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution:

Autosampler Location: 143
Date Collected: 03/06/12 10:49:32 PM
Data Type: Reprocessed on 03/07/12 2:13:42 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55854S02

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	2750.5	18.52	ug/L	0.853	1.715	mg/kg	0.0790	4.61%
Al 308.215	201402.7	87510	ug/L	180.8	8103	mg/kg	16.7	0.21%
As 188.979	111.3	22.43	ug/L	1.183	2.076	mg/kg	0.1096	5.28%
B	-288.4	206.7	ug/L	7.74	19.14	mg/kg	0.717	3.74%
Ba 233.527	53733.9	217.5	ug/L	0.94	20.14	mg/kg	0.087	0.43%
Be 313.107	3485.8	-2.261	ug/L	0.1024	-0.209	mg/kg	0.0095	4.53%
Ca 315.887	23970234.3	1388000	ug/L	7779.4	128500	mg/kg	720.3	0.56%
Cd 214.440	16047.3	20.95	ug/L	0.076	1.940	mg/kg	0.0070	0.36%
Co 228.616	1875.8	6.418	ug/L	0.1870	0.594	mg/kg	0.0173	2.91%
Cr 267.716	13025.9	65.19	ug/L	0.126	6.036	mg/kg	0.0117	0.19%
Cu 327.393	37502.0	329.2	ug/L	1.21	30.48	mg/kg	0.112	0.37%
Fe 273.955	1661555.1	48820	ug/L	162.6	4520	mg/kg	15.1	0.33%
K 766.490	75239.2	17430	ug/L	42.0	1614	mg/kg	3.9	0.24%
Mg 285.213	713724.4	21260	ug/L	44.0	1968	mg/kg	4.1	0.21%
Mn 257.610	76391.2	1005	ug/L	0.7	93.04	mg/kg	0.063	0.07%
Mo 202.031	58.8	-9.749	ug/L	0.2031	-0.903	mg/kg	0.0188	2.08%
Na 589.592	9891.5	170.8	ug/L	26.90	15.82	mg/kg	2.491	15.75%
Ni 231.604	3850.1	35.23	ug/L	0.253	3.262	mg/kg	0.0235	0.72%
P 213.617	6090.0	769.7	ug/L	1.74	71.27	mg/kg	0.161	0.23%
Pb 220.353	2031.3	106.8	ug/L	0.21	9.893	mg/kg	0.0193	0.20%
Sb 206.836	25.1	3.635	ug/L	0.5483	0.337	mg/kg	0.0508	15.08%
Se 196.026	-18.3	-3.900	ug/L	2.6581	-0.361	mg/kg	0.2461	68.16%
Sn 189.927	-193.9	-19.12	ug/L	0.454	-1.770	mg/kg	0.0420	2.37%
Sr 421.552	556910.2	535.2	ug/L	0.85	49.55	mg/kg	0.078	0.16%
Ti 337.279	50821.8	653.9	ug/L	10.31	60.55	mg/kg	0.955	1.58%
Tl 190.801	-180.7	-4.594	ug/L	0.4085	-0.425	mg/kg	0.0378	8.89%
V 292.402	44865.8	132.6	ug/L	0.77	12.28	mg/kg	0.072	0.58%
Zn 206.200	55710.1	353.2	ug/L	2.25	32.70	mg/kg	0.208	0.64%

Sequence No.: 118
Sample ID: AY55854S02-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution: 5X

Autosampler Location: 42
Date Collected: 03/07/12 12:59:33 AM
Data Type: Reprocessed on 03/07/12 2:14:04 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55854S02-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	497.6	3.350	ug/L	0.4120	1.551	mg/kg	0.1908	12.30%
Al 308.215	39296.5	17050	ug/L	185.3	7895	mg/kg	85.8	1.09%
As 188.979	10.8	2.169	ug/L	1.1444	1.004	mg/kg	0.5298	52.75%
B	-86.5	41.86	ug/L	0.425	19.38	mg/kg	0.197	1.02%
Ba 233.527	12375.5	50.22	ug/L	0.113	23.25	mg/kg	0.052	0.23%
Be 313.107	1523.2	-0.366	ug/L	0.0203	-0.169	mg/kg	0.0094	5.55%
Ca 315.887	4996302.5	289200	ug/L	2409.8	133900	mg/kg	1115.7	0.83%
Cd 214.440	3714.4	5.079	ug/L	0.0216	2.351	mg/kg	0.0100	0.42%
Co 228.616	476.4	2.272	ug/L	0.1312	1.052	mg/kg	0.0608	5.78%
Cr 267.716	2860.9	14.54	ug/L	0.183	6.729	mg/kg	0.0846	1.26%
Cu 327.393	7876.9	69.15	ug/L	0.116	32.01	mg/kg	0.054	0.17%
Fe 273.955	382097.4	11250	ug/L	82.5	5210	mg/kg	38.2	0.73%
K 766.490	14402.9	3317	ug/L	64.7	1536	mg/kg	30.0	1.95%
Mg 285.213	139928.2	4158	ug/L	50.3	1925	mg/kg	23.3	1.21%
Mn 257.610	16117.7	212.1	ug/L	1.22	98.20	mg/kg	0.564	0.57%
Mo 202.031	43.5	-1.345	ug/L	0.4358	-0.623	mg/kg	0.2018	32.41%
Na 589.592	2041.7	33.72	ug/L	11.736	15.61	mg/kg	5.433	34.81%
Ni 231.604	881.8	8.391	ug/L	0.1500	3.885	mg/kg	0.0695	1.79%
P 213.617	1261.4	159.4	ug/L	0.74	73.81	mg/kg	0.343	0.46%
Pb 220.353	477.0	25.09	ug/L	0.366	11.62	mg/kg	0.170	1.46%
Sb 206.836	0.1	0.019	ug/L	0.6144	0.009	mg/kg	0.2845	>999.9%
Se 196.026	-5.4	-1.146	ug/L	0.7046	-0.531	mg/kg	0.3262	61.47%
Sn 189.927	-213.7	-21.07	ug/L	0.360	-9.753	mg/kg	0.1667	1.71%
Sr 421.552	113806.3	109.3	ug/L	1.20	50.60	mg/kg	0.557	1.10%
Ti 337.279	10256.3	131.9	ug/L	0.76	61.05	mg/kg	0.352	0.58%
Tl 190.801	-39.1	-1.090	ug/L	1.3469	-0.504	mg/kg	0.6236	123.62%
V 292.402	10105.7	30.01	ug/L	0.052	13.89	mg/kg	0.024	0.17%
Zn 206.200	13324.3	85.83	ug/L	0.438	39.74	mg/kg	0.203	0.51%

Sequence No.: 96
Sample ID: AY55855802
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution:

Autosampler Location: 144
Date Collected: 03/06/12 10:54:21 PM
Data Type: Reprocessed on 03/07/12 2:13:43 PM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55855802

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	3986.3	26.84	ug/L	0.461	2.485	mg/kg	0.0427	1.72%
Al 308.215	301814.9	131200	ug/L	163.9	12150	mg/kg	15.2	0.12%
As 188.979	192.8	38.84	ug/L	0.521	3.596	mg/kg	0.0482	1.34%
B	-622.8	273.0	ug/L	1.84	25.28	mg/kg	0.171	0.68%
Ba 233.527	82360.8	334.1	ug/L	3.03	30.94	mg/kg	0.281	0.91%
Be 313.107	7562.6	-3.160	ug/L	0.0674	-0.293	mg/kg	0.0062	2.13%
Ca 315.887	34983346.5	2025000	ug/L	20058.1	187500	mg/kg	1857.2	0.99%
Cd 214.440	9115.6	-0.055	ug/L	0.2591	-0.005	mg/kg	0.0240	470.13%
Co 228.616	2738.6	9.446	ug/L	0.4372	0.875	mg/kg	0.0405	4.63%
Cr 267.716	19130.0	95.81	ug/L	0.373	8.871	mg/kg	0.0345	0.39%
Cu 327.393	139228.1	1222	ug/L	12.8	113.2	mg/kg	1.18	1.04%
Fe 273.955	2480370.0	72920	ug/L	479.6	6752	mg/kg	44.4	0.66%
K 766.490	110953.0	25720	ug/L	54.8	2382	mg/kg	5.1	0.21%
Mg 285.213	1063773.7	31700	ug/L	47.9	2935	mg/kg	4.4	0.15%
Mn 257.610	118934.7	1566	ug/L	35.0	145.0	mg/kg	3.24	2.23%
Mo 202.031	142.9	-13.03	ug/L	1.541	-1.207	mg/kg	0.1427	11.82%
Na 589.592	13146.9	136.0	ug/L	20.89	12.59	mg/kg	1.934	15.36%
Ni 231.604	5994.5	56.36	ug/L	0.707	5.219	mg/kg	0.0655	1.25%
P 213.617	9407.2	1189	ug/L	1.7	110.1	mg/kg	0.15	0.14%
Pb 220.353	2347.5	123.5	ug/L	2.48	11.43	mg/kg	0.229	2.01%
Sb 206.836	-33.0	-4.788	ug/L	4.4950	-0.443	mg/kg	0.4162	93.89%
Se 196.026	3.8	0.819	ug/L	13.6145	0.076	mg/kg	1.2606	>999.9%
Sn 189.927	-16.9	-1.665	ug/L	0.8857	-0.154	mg/kg	0.0820	53.19%
Sr 421.552	902657.6	869.9	ug/L	1.30	80.55	mg/kg	0.120	0.15%
Ti 337.279	69646.9	894.3	ug/L	19.45	82.81	mg/kg	1.801	2.17%
Tl 190.801	-223.2	-3.413	ug/L	2.4284	-0.316	mg/kg	0.2249	71.14%
V 292.402	66746.8	197.7	ug/L	0.42	18.30	mg/kg	0.039	0.21%
Zn 206.200	66193.9	407.2	ug/L	2.95	37.70	mg/kg	0.273	0.72%

Sequence No.: 102
Sample ID: AY55855S02-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution: 5X

Autosampler Location: 148
Date Collected: 03/06/12 11:26:23 PM
Data Type: Reprocessed on 03/07/12 2:13:49 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55855S02-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	781.3	5.261	ug/L	0.3764	2.436	mg/kg	0.1743	7.16%
Al 308.215	66916.7	29070	ug/L	488.9	13460	mg/kg	226.4	1.68%
As 188.979	30.7	6.194	ug/L	0.7805	2.868	mg/kg	0.3614	12.60%
B	-140.2	67.81	ug/L	1.852	31.40	mg/kg	0.857	2.73%
Ba 233.527	20587.6	83.69	ug/L	0.316	38.75	mg/kg	0.147	0.38%
Be 313.107	2215.4	-0.723	ug/L	0.0515	-0.335	mg/kg	0.0238	7.12%
Ca 315.887	8119998.1	470000	ug/L	5475.5	217600	mg/kg	2535.0	1.16%
Cd 214.440	2298.3	0.285	ug/L	0.0784	0.132	mg/kg	0.0363	27.50%
Co 228.616	715.9	3.088	ug/L	0.1092	1.430	mg/kg	0.0505	3.53%
Cr 267.716	4515.5	22.75	ug/L	0.233	10.53	mg/kg	0.108	1.03%
Cu 327.393	30892.0	271.2	ug/L	4.79	125.6	mg/kg	2.22	1.77%
Fe 273.955	616751.9	18160	ug/L	258.8	8408	mg/kg	119.8	1.42%
K 766.490	23215.6	5344	ug/L	52.6	2474	mg/kg	24.4	0.98%
Mg 285.213	237142.9	7058	ug/L	59.2	3267	mg/kg	27.4	0.84%
Mn 257.610	26263.0	345.6	ug/L	4.84	160.0	mg/kg	2.24	1.40%
Mo 202.031	44.9	-2.708	ug/L	0.2071	-1.254	mg/kg	0.0959	7.65%
Na 589.592	3307.5	53.80	ug/L	10.620	24.91	mg/kg	4.916	19.74%
Ni 231.604	1514.3	14.72	ug/L	0.347	6.813	mg/kg	0.1608	2.36%
P 213.617	2088.7	264.0	ug/L	2.62	122.2	mg/kg	1.21	0.99%
Pb 220.353	602.0	31.67	ug/L	0.609	14.66	mg/kg	0.282	1.92%
Sb 206.836	-8.8	-1.277	ug/L	0.6194	-0.591	mg/kg	0.2868	48.50%
Se 196.026	-4.3	-0.908	ug/L	3.5432	-0.421	mg/kg	1.6404	390.09%
Sn 189.927	-180.0	-17.75	ug/L	0.076	-8.216	mg/kg	0.0350	0.43%
Sr 421.552	199558.9	192.1	ug/L	1.62	88.92	mg/kg	0.749	0.84%
Ti 337.279	15111.1	193.6	ug/L	2.75	89.64	mg/kg	1.271	1.42%
Tl 190.801	-49.9	-0.916	ug/L	0.2742	-0.424	mg/kg	0.1270	29.94%
V 292.402	15590.1	45.95	ug/L	0.302	21.27	mg/kg	0.140	0.66%
Zn 206.200	17546.5	110.1	ug/L	0.76	50.96	mg/kg	0.352	0.69%

Sequence No.: 103
Sample ID: AY55856S02
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution:

Autosampler Location: 149
Date Collected: 03/06/12 11:31:51 PM
Data Type: Reprocessed on 03/07/12 2:13:50 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55856S02

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	2466.7	16.61	ug/L	0.322	1.538	mg/kg	0.0298	1.94%
Al 308.215	364636.3	159300	ug/L	736.8	14750	mg/kg	68.2	0.46%
As 188.979	264.6	53.30	ug/L	2.241	4.935	mg/kg	0.2075	4.20%
B	-1191.0	257.1	ug/L	5.37	23.80	mg/kg	0.498	2.09%
Ba 233.527	93738.7	379.0	ug/L	1.44	35.09	mg/kg	0.133	0.38%
Be 313.107	21790.8	-1.057	ug/L	0.0354	-0.098	mg/kg	0.0033	3.35%
Ca 315.887	29794039.0	1725000	ug/L	9843.8	159700	mg/kg	911.5	0.57%
Cd 214.440	2724.2	-13.44	ug/L	0.466	-1.245	mg/kg	0.0432	3.47%
Co 228.616	3488.4	19.46	ug/L	0.390	1.801	mg/kg	0.0361	2.00%
Cr 267.716	22235.1	119.0	ug/L	0.77	11.01	mg/kg	0.071	0.64%
Cu 327.393	7621.3	66.91	ug/L	0.423	6.195	mg/kg	0.0392	0.63%
Fe 273.955	3526097.8	104700	ug/L	323.5	9690	mg/kg	30.0	0.31%
K 766.490	144138.4	34180	ug/L	216.4	3164	mg/kg	20.0	0.63%
Mg 285.213	1028209.8	30760	ug/L	131.5	2849	mg/kg	12.2	0.43%
Mn 257.610	152541.1	2022	ug/L	9.4	187.2	mg/kg	0.87	0.46%
Mo 202.031	10.8	-10.69	ug/L	2.044	-0.990	mg/kg	0.1892	19.12%
Na 589.592	12297.8	195.4	ug/L	24.18	18.09	mg/kg	2.239	12.38%
Ni 231.604	6961.9	71.42	ug/L	1.509	6.613	mg/kg	0.1397	2.11%
P 213.617	9068.8	1146	ug/L	2.3	106.1	mg/kg	0.21	0.20%
Pb 220.353	975.7	51.32	ug/L	2.331	4.752	mg/kg	0.2158	4.54%
Sb 206.836	-37.1	-5.379	ug/L	5.1466	-0.498	mg/kg	0.4765	95.68%
Se 196.026	-24.3	-5.175	ug/L	3.7704	-0.479	mg/kg	0.3491	72.86%
Sn 189.927	-262.2	-25.85	ug/L	1.426	-2.393	mg/kg	0.1320	5.52%
Sr 421.552	578108.9	551.8	ug/L	2.60	51.09	mg/kg	0.241	0.47%
Ti 337.279	51587.0	658.9	ug/L	12.85	61.01	mg/kg	1.190	1.95%
Tl 190.801	-252.0	-3.346	ug/L	2.6657	-0.310	mg/kg	0.2468	79.67%
V 292.402	92071.7	279.6	ug/L	1.13	25.89	mg/kg	0.105	0.40%
Zn 206.200	32828.7	175.7	ug/L	0.49	16.27	mg/kg	0.045	0.28%

Sequence No.: 125
Sample ID: AY55856S02-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution: 5X

Autosampler Location: 47
Date Collected: 03/07/12 1:41:33 AM
Data Type: Reprocessed on 03/07/12 2:14:11 PM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55856S02-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	477.4	3.214	ug/L	0.2677	1.488	mg/kg	0.1239	8.33%
Al 308.215	82594.4	36040	ug/L	402.0	16690	mg/kg	186.1	1.12%
As 188.979	37.8	7.620	ug/L	0.4777	3.528	mg/kg	0.2212	6.27%
B	-302.1	64.43	ug/L	7.313	29.83	mg/kg	3.386	11.35%
Ba 233.527	23665.2	95.68	ug/L	1.669	44.30	mg/kg	0.772	1.74%
Be 313.107	6220.0	-0.157	ug/L	0.0427	-0.073	mg/kg	0.0198	27.29%
Ca 315.887	7208493.7	417300	ug/L	5503.6	193200	mg/kg	2548.0	1.32%
Cd 214.440	781.5	-3.107	ug/L	0.0885	-1.438	mg/kg	0.0410	2.85%
Co 228.616	950.7	5.886	ug/L	0.0186	2.725	mg/kg	0.0086	0.32%
Cr 267.716	6055.1	33.07	ug/L	0.605	15.31	mg/kg	0.280	1.83%
Cu 327.393	1629.9	14.31	ug/L	0.493	6.624	mg/kg	0.2282	3.44%
Fe 273.955	904413.4	26870	ug/L	651.6	12440	mg/kg	301.7	2.43%
K 766.490	32099.4	7583	ug/L	100.3	3511	mg/kg	46.4	1.32%
Mg 285.213	237402.3	7093	ug/L	74.0	3284	mg/kg	34.3	1.04%
Mn 257.610	39871.4	529.1	ug/L	2.50	245.0	mg/kg	1.16	0.47%
Mo 202.031	34.1	-1.850	ug/L	0.3358	-0.857	mg/kg	0.1555	18.15%
Na 589.592	3642.6	105.4	ug/L	4.77	48.80	mg/kg	2.209	4.53%
Ni 231.604	1903.9	20.20	ug/L	0.338	9.351	mg/kg	0.1564	1.67%
P 213.617	2144.5	271.0	ug/L	4.41	125.5	mg/kg	2.04	1.63%
Pb 220.353	271.9	14.30	ug/L	0.613	6.622	mg/kg	0.2838	4.29%
Sb 206.836	-12.3	-1.788	ug/L	0.7747	-0.828	mg/kg	0.3587	43.32%
Se 196.026	-10.5	-2.234	ug/L	2.6571	-1.034	mg/kg	1.2302	118.94%
Sn 189.927	-233.5	-23.02	ug/L	0.469	-10.66	mg/kg	0.217	2.04%
Sr 421.552	135633.3	129.3	ug/L	1.52	59.86	mg/kg	0.702	1.17%
Ti 337.279	11582.9	147.5	ug/L	0.51	68.31	mg/kg	0.235	0.34%
Tl 190.801	-58.2	-0.461	ug/L	0.3607	-0.213	mg/kg	0.1670	78.32%
V 292.402	22376.6	67.73	ug/L	1.540	31.35	mg/kg	0.713	2.27%
Zn 206.200	8736.8	48.16	ug/L	1.116	22.29	mg/kg	0.516	2.32%

Sequence No.: 38
Sample ID: AY55857S01
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 03/01/12 6:28:16 PM
Data Type: Reprocessed on 03/02/12 9:44:35 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: AY55857S01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	4087.3	23.25	ug/L	0.385	23.25	ug/L	0.385	1.66%
Al 308.215	-467.9	-215.2	ug/L	58.84	-215.2	ug/L	58.84	27.34%
As 188.979	19.6	2.740	ug/L	0.8471	2.740	ug/L	0.8471	30.91%
B	1330.5	313.2	ug/L	3.39	313.2	ug/L	3.39	1.08%
Ba 233.527	113223.6	397.4	ug/L	3.40	397.4	ug/L	3.40	0.86%
Be 313.107	-1321.6	-6.715	ug/L	0.0811	-6.715	ug/L	0.0811	1.21%
Ca 315.887	36698360.4	1835000	ug/L	18833.9	1835000	ug/L	18833.9	1.03%
Cd 214.440	1570.5	-11.20	ug/L	0.181	-11.20	ug/L	0.181	1.61%
Co 228.616	70.6	-13.26	ug/L	0.097	-13.26	ug/L	0.097	0.73%
Cr 267.716	164.8	-21.17	ug/L	0.101	-21.17	ug/L	0.101	0.48%
Cu 327.393	-2257.4	19.12	ug/L	0.744	19.12	ug/L	0.744	3.89%
Fe 273.955	-66.9	-1547	ug/L	16.2	-1547	ug/L	16.2	1.05%
K 766.490	9383.3	114.9	ug/L	70.84	114.9	ug/L	70.84	61.66%
Mg 285.213	522680.4	12360	ug/L	152.2	12360	ug/L	152.2	1.23%
Mn 257.610	25311.5	262.4	ug/L	1.84	262.4	ug/L	1.84	0.70%
Mo 202.031	127.1	-16.05	ug/L	0.228	-16.05	ug/L	0.228	1.42%
Na 589.592	38002.4	1532	ug/L	19.7	1532	ug/L	19.7	1.29%
Ni 231.604	554.3	-12.73	ug/L	0.406	-12.73	ug/L	0.406	3.19%
P 213.617	2985.2	293.3	ug/L	0.53	293.3	ug/L	0.53	0.18%
Pb 220.353	-116.8	-5.118	ug/L	0.3262	-5.118	ug/L	0.3262	6.37%
Sb 206.836	-16.3	-1.884	ug/L	0.6266	-1.884	ug/L	0.6266	33.25%
Se 196.026	-15.3	-2.583	ug/L	2.2617	-2.583	ug/L	2.2617	87.55%
Sn 189.927	-110.4	-9.089	ug/L	0.1477	-9.089	ug/L	0.1477	1.63%
Sr 421.552	684156.8	473.0	ug/L	5.80	473.0	ug/L	5.80	1.23%
Ti 337.279	212.8	-23.17	ug/L	0.528	-23.17	ug/L	0.528	2.28%
Tl 190.801	-51.9	-7.686	ug/L	0.8495	-7.686	ug/L	0.8495	11.05%
V 292.402	770.4	-10.52	ug/L	0.056	-10.52	ug/L	0.056	0.54%
Zn 206.200	7778.5	-11.17	ug/L	0.667	-11.17	ug/L	0.667	5.97%

Sequence No.: 104
Sample ID: AY55857802
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.13 g
Dilution:

Autosampler Location: 150
Date Collected: 03/06/12 11:36:45 PM
Data Type: Reprocessed on 03/07/12 2:13:51 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55857802

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	2899.8	19.53	ug/L	0.528	1.728	mg/kg	0.0467	2.70%
Al 308.215	263699.3	114600	ug/L	1166.5	10140	mg/kg	103.2	1.02%
As 188.979	172.4	34.72	ug/L	5.428	3.073	mg/kg	0.4803	15.63%
B	-703.2	231.7	ug/L	9.10	20.51	mg/kg	0.805	3.93%
Ba 233.527	83756.1	341.7	ug/L	2.36	30.24	mg/kg	0.209	0.69%
Be 313.107	9380.1	-2.741	ug/L	0.0063	-0.243	mg/kg	0.0006	0.23%
Ca 315.887	30985967.2	1794000	ug/L	23362.4	158700	mg/kg	2067.5	1.30%
Cd 214.440	2508.2	-12.35	ug/L	0.032	-1.093	mg/kg	0.0028	0.26%
Co 228.616	2449.2	8.701	ug/L	1.1636	0.770	mg/kg	0.1030	13.37%
Cr 267.716	16163.8	79.96	ug/L	0.200	7.076	mg/kg	0.0177	0.25%
Cu 327.393	16096.7	141.3	ug/L	1.42	12.51	mg/kg	0.126	1.00%
Fe 273.955	2367620.3	69730	ug/L	530.8	6171	mg/kg	47.0	0.76%
K 766.490	93584.4	21630	ug/L	236.3	1914	mg/kg	20.9	1.09%
Mg 285.213	857940.1	25480	ug/L	274.6	2255	mg/kg	24.3	1.08%
Mn 257.610	113252.4	1494	ug/L	17.4	132.2	mg/kg	1.54	1.16%
Mo 202.031	79.1	-12.09	ug/L	0.136	-1.070	mg/kg	0.0120	1.12%
Na 589.592	10117.5	-13.44	ug/L	5.557	-1.189	mg/kg	0.4918	41.36%
Ni 231.604	5184.8	48.17	ug/L	1.651	4.263	mg/kg	0.1461	3.43%
P 213.617	9728.1	1230	ug/L	8.2	108.8	mg/kg	0.73	0.67%
Pb 220.353	1230.9	64.74	ug/L	2.319	5.730	mg/kg	0.2052	3.58%
Sb 206.836	-19.4	-2.816	ug/L	4.9353	-0.249	mg/kg	0.4367	175.27%
Se 196.026	-36.9	-7.857	ug/L	7.2796	-0.695	mg/kg	0.6442	92.65%
Sn 189.927	-260.4	-25.67	ug/L	0.876	-2.272	mg/kg	0.0775	3.41%
Sr 421.552	637448.6	610.2	ug/L	6.02	54.00	mg/kg	0.533	0.99%
Ti 337.279	55263.8	707.1	ug/L	6.80	62.57	mg/kg	0.602	0.96%
Tl 190.801	-186.3	-2.191	ug/L	1.6556	-0.194	mg/kg	0.1465	75.57%
V 292.402	61714.7	182.8	ug/L	1.05	16.18	mg/kg	0.093	0.58%
Zn 206.200	43159.7	249.7	ug/L	2.45	22.09	mg/kg	0.217	0.98%

Sequence No.: 126
Sample ID: AY55857S02-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.13 g
Dilution: 5X

Autosampler Location: 48
Date Collected: 03/07/12 1:46:28 AM
Data Type: Reprocessed on 03/07/12 2:14:12 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55857S02-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	545.8	3.675	ug/L	0.4077	1.626	mg/kg	0.1804	11.09%
Al 308.215	57076.1	24780	ug/L	462.0	10960	mg/kg	204.4	1.86%
As 188.979	26.5	5.347	ug/L	0.7887	2.366	mg/kg	0.3490	14.75%
B	-156.8	54.90	ug/L	1.381	24.29	mg/kg	0.611	2.52%
Ba 233.527	19430.4	79.26	ug/L	0.247	35.07	mg/kg	0.109	0.31%
Be 313.107	3254.6	-0.499	ug/L	0.0311	-0.221	mg/kg	0.0138	6.25%
Ca 315.887	7105381.3	411300	ug/L	8969.7	182000	mg/kg	3968.9	2.18%
Cd 214.440	733.1	-2.525	ug/L	0.0497	-1.117	mg/kg	0.0220	1.97%
Co 228.616	685.4	3.400	ug/L	0.3876	1.504	mg/kg	0.1715	11.40%
Cr 267.716	4558.7	23.71	ug/L	0.133	10.49	mg/kg	0.059	0.56%
Cu 327.393	3245.0	28.49	ug/L	0.234	12.60	mg/kg	0.103	0.82%
Fe 273.955	554931.0	16350	ug/L	201.9	7236	mg/kg	89.3	1.23%
K 766.490	19623.5	4505	ug/L	84.5	1994	mg/kg	37.4	1.88%
Mg 285.213	191307.2	5676	ug/L	115.3	2512	mg/kg	51.0	2.03%
Mn 257.610	30353.8	401.4	ug/L	12.84	177.6	mg/kg	5.68	3.20%
Mo 202.031	29.9	-2.500	ug/L	0.1787	-1.106	mg/kg	0.0791	7.15%
Na 589.592	3183.8	72.41	ug/L	5.591	32.04	mg/kg	2.474	7.72%
Ni 231.604	1398.7	13.85	ug/L	0.097	6.126	mg/kg	0.0427	0.70%
P 213.617	2104.5	266.0	ug/L	1.89	117.7	mg/kg	0.84	0.71%
Pb 220.353	333.2	17.52	ug/L	0.882	7.754	mg/kg	0.3903	5.03%
Sb 206.836	-14.5	-2.105	ug/L	0.9246	-0.932	mg/kg	0.4091	43.92%
Se 196.026	-11.9	-2.529	ug/L	1.1664	-1.119	mg/kg	0.5161	46.11%
Sn 189.927	-232.0	-22.87	ug/L	0.441	-10.12	mg/kg	0.195	1.93%
Sr 421.552	143004.1	136.8	ug/L	2.68	60.53	mg/kg	1.186	1.96%
Ti 337.279	11731.8	149.7	ug/L	5.34	66.23	mg/kg	2.363	3.57%
Tl 190.801	-34.0	0.430	ug/L	0.8632	0.190	mg/kg	0.3820	200.82%
V 292.402	13790.1	40.68	ug/L	0.229	18.00	mg/kg	0.101	0.56%
Zn 206.200	10666.8	62.79	ug/L	0.155	27.78	mg/kg	0.068	0.25%

Sequence No.: 39
Sample ID: AY55858S01
Analyst: BA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 03/01/12 6:33:53 PM
Data Type: Reprocessed on 03/02/12 9:44:36 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: AY55858S01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	7926.0	45.09	ug/L	0.584	45.09	ug/L	0.584	1.29%
Al 308.215	338.3	155.6	ug/L	44.37	155.6	ug/L	44.37	28.52%
As 188.979	46.1	6.432	ug/L	0.2392	6.432	ug/L	0.2392	3.72%
B	1615.6	450.3	ug/L	4.54	450.3	ug/L	4.54	1.01%
Ba 233.527	159364.5	556.5	ug/L	0.97	556.5	ug/L	0.97	0.17%
Be 313.107	-409.8	-11.68	ug/L	0.078	-11.68	ug/L	0.078	0.66%
Ca 315.887	64788023.5	3239000	ug/L	22782.9	3239000	ug/L	22782.9	0.70%
Cd 214.440	3265.6	-19.06	ug/L	0.163	-19.06	ug/L	0.163	0.86%
Co 228.616	268.4	-22.34	ug/L	0.343	-22.34	ug/L	0.343	1.54%
Cr 267.716	587.6	-36.19	ug/L	0.278	-36.19	ug/L	0.278	0.77%
Cu 327.393	-3411.5	36.86	ug/L	0.346	36.86	ug/L	0.346	0.94%
Fe 273.955	7181.9	-2573	ug/L	17.9	-2573	ug/L	17.9	0.69%
K 766.490	21536.9	1062	ug/L	68.0	1062	ug/L	68.0	6.41%
Mg 285.213	729790.0	16890	ug/L	128.3	16890	ug/L	128.3	0.76%
Mn 257.610	85593.2	930.2	ug/L	8.42	930.2	ug/L	8.42	0.91%
Mo 202.031	-21.8	-32.25	ug/L	0.303	-32.25	ug/L	0.303	0.94%
Na 589.592	780045.6	48030	ug/L	330.9	48030	ug/L	330.9	0.69%
Ni 231.604	1084.4	-21.54	ug/L	0.319	-21.54	ug/L	0.319	1.48%
P 213.617	2772.2	272.4	ug/L	0.67	272.4	ug/L	0.67	0.25%
Pb 220.353	-152.6	-6.683	ug/L	0.4011	-6.683	ug/L	0.4011	6.00%
Sb 206.836	-32.9	-3.805	ug/L	0.2702	-3.805	ug/L	0.2702	7.10%
Se 196.026	2.8	0.475	ug/L	1.7381	0.475	ug/L	1.7381	365.54%
Sn 189.927	-88.3	-7.264	ug/L	0.2215	-7.264	ug/L	0.2215	3.05%
Sr 421.552	1198157.9	828.1	ug/L	5.74	828.1	ug/L	5.74	0.69%
Ti 337.279	1179.0	-32.68	ug/L	0.947	-32.68	ug/L	0.947	2.90%
Tl 190.801	-106.9	-11.42	ug/L	0.107	-11.42	ug/L	0.107	0.94%
V 292.402	1614.9	-17.98	ug/L	0.118	-17.98	ug/L	0.118	0.65%
Zn 206.200	15906.0	-7.542	ug/L	0.6034	-7.542	ug/L	0.6034	8.00%

Sequence No.: 105
Sample ID: AY55858S02
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.14 g
Dilution:

Autosampler Location: 151
Date Collected: 03/06/12 11:41:11 PM
Data Type: Reprocessed on 03/07/12 2:13:52 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55858S02

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	2854.2	19.22	ug/L	0.684	1.686	mg/kg	0.0600	3.56%
Al 308.215	224967.5	97440	ug/L	770.1	8548	mg/kg	67.5	0.79%
As 188.979	169.7	34.18	ug/L	2.717	2.998	mg/kg	0.2384	7.95%
B	-795.4	208.2	ug/L	6.05	18.26	mg/kg	0.531	2.91%
Ba 233.527	77972.3	317.2	ug/L	1.88	27.82	mg/kg	0.165	0.59%
Be 313.107	10763.0	-3.246	ug/L	0.1211	-0.285	mg/kg	0.0106	3.73%
Ca 315.887	31636817.8	1831000	ug/L	20718.1	160600	mg/kg	1817.4	1.13%
Cd 214.440	2775.2	-11.98	ug/L	0.488	-1.051	mg/kg	0.0428	4.07%
Co 228.616	2348.3	7.898	ug/L	0.4563	0.693	mg/kg	0.0400	5.78%
Cr 267.716	14512.8	69.26	ug/L	0.875	6.076	mg/kg	0.0768	1.26%
Cu 327.393	8656.2	75.99	ug/L	0.644	6.666	mg/kg	0.0565	0.85%
Fe 273.955	2270442.4	66780	ug/L	420.5	5858	mg/kg	36.9	0.63%
K 766.490	78334.6	17830	ug/L	123.9	1564	mg/kg	10.9	0.69%
Mg 285.213	836510.3	24800	ug/L	190.8	2176	mg/kg	16.7	0.77%
Mn 257.610	97673.7	1284	ug/L	9.7	112.7	mg/kg	0.85	0.75%
Mo 202.031	76.5	-12.61	ug/L	0.933	-1.106	mg/kg	0.0818	7.40%
Na 589.592	13397.7	257.5	ug/L	4.52	22.59	mg/kg	0.396	1.75%
Ni 231.604	4963.6	45.07	ug/L	0.887	3.954	mg/kg	0.0778	1.97%
P 213.617	9787.0	1237	ug/L	7.3	108.5	mg/kg	0.64	0.59%
Pb 220.353	1050.7	55.27	ug/L	3.242	4.848	mg/kg	0.2844	5.87%
Sb 206.836	-42.2	-6.118	ug/L	3.6677	-0.537	mg/kg	0.3217	59.95%
Se 196.026	-31.7	-6.737	ug/L	9.8068	-0.591	mg/kg	0.8602	145.58%
Sn 189.927	-269.1	-26.53	ug/L	0.468	-2.327	mg/kg	0.0411	1.77%
Sr 421.552	619836.6	592.5	ug/L	4.35	51.97	mg/kg	0.381	0.73%
Ti 337.279	43117.0	545.6	ug/L	6.31	47.86	mg/kg	0.554	1.16%
Tl 190.801	-179.8	-4.871	ug/L	3.6720	-0.427	mg/kg	0.3221	75.38%
V 292.402	58151.6	171.1	ug/L	1.34	15.01	mg/kg	0.118	0.78%
Zn 206.200	38463.7	215.1	ug/L	2.25	18.87	mg/kg	0.198	1.05%

Sequence No.: 127
Sample ID: AY55858S02-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.14 g
Dilution: 5X

Autosampler Location: 49
Date Collected: 03/07/12 1:52:07 AM
Data Type: Reprocessed on 03/07/12 2:14:13 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55858S02-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	496.3	3.341	ug/L	0.3845	1.466	mg/kg	0.1686	11.51%
Al 308.215	48590.4	21020	ug/L	277.7	9219	mg/kg	121.8	1.32%
As 188.979	19.5	3.932	ug/L	0.8294	1.725	mg/kg	0.3638	21.09%
B	-186.6	46.54	ug/L	0.573	20.41	mg/kg	0.251	1.23%
Ba 233.527	17637.2	71.70	ug/L	1.699	31.45	mg/kg	0.745	2.37%
Be 313.107	3404.0	-0.622	ug/L	0.0180	-0.273	mg/kg	0.0079	2.89%
Ca 315.887	7264375.9	420500	ug/L	9765.0	184400	mg/kg	4282.9	2.32%
Cd 214.440	726.6	-2.555	ug/L	0.0824	-1.121	mg/kg	0.0361	3.22%
Co 228.616	584.4	2.349	ug/L	0.0702	1.030	mg/kg	0.0308	2.99%
Cr 267.716	3769.8	18.65	ug/L	0.366	8.178	mg/kg	0.1605	1.96%
Cu 327.393	1617.2	14.20	ug/L	0.153	6.227	mg/kg	0.0673	1.08%
Fe 273.955	516239.6	15180	ug/L	474.9	6659	mg/kg	208.3	3.13%
K 766.490	16364.8	3693	ug/L	81.2	1620	mg/kg	35.6	2.20%
Mg 285.213	185998.4	5508	ug/L	75.0	2416	mg/kg	32.9	1.36%
Mn 257.610	26207.5	345.6	ug/L	6.14	151.6	mg/kg	2.69	1.78%
Mo 202.031	31.8	-2.612	ug/L	0.3575	-1.145	mg/kg	0.1568	13.69%
Na 589.592	3546.9	100.4	ug/L	10.77	44.04	mg/kg	4.726	10.73%
Ni 231.604	1251.9	11.86	ug/L	0.501	5.200	mg/kg	0.2196	4.22%
P 213.617	2020.7	255.4	ug/L	6.15	112.0	mg/kg	2.70	2.41%
Pb 220.353	275.4	14.49	ug/L	0.283	6.354	mg/kg	0.1241	1.95%
Sb 206.836	-11.9	-1.723	ug/L	0.9202	-0.756	mg/kg	0.4036	53.42%
Se 196.026	-18.4	-3.922	ug/L	1.4835	-1.720	mg/kg	0.6507	37.83%
Sn 189.927	-237.7	-23.43	ug/L	0.305	-10.28	mg/kg	0.134	1.30%
Sr 421.552	138299.6	132.1	ug/L	2.13	57.92	mg/kg	0.935	1.61%
Ti 337.279	9288.2	117.2	ug/L	2.56	51.40	mg/kg	1.121	2.18%
Tl 190.801	-33.8	-0.307	ug/L	0.9833	-0.135	mg/kg	0.4313	320.35%
V 292.402	12410.9	36.14	ug/L	0.704	15.85	mg/kg	0.309	1.95%
Zn 206.200	9402.8	53.52	ug/L	1.018	23.47	mg/kg	0.446	1.90%

Sequence No.: 40
Sample ID: AY55859S01
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 03/01/12 6:39:33 PM
Data Type: Reprocessed on 03/02/12 9:44:37 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: AY55859S01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	5980.1	34.02	ug/L	0.571	34.02	ug/L	0.571	1.68%
Al 308.215	-447.9	-206.0	ug/L	103.15	-206.0	ug/L	103.15	50.08%
As 188.979	36.1	5.041	ug/L	0.8348	5.041	ug/L	0.8348	16.56%
B	1456.4	384.3	ug/L	2.04	384.3	ug/L	2.04	0.53%
Ba 233.527	174995.6	615.0	ug/L	3.78	615.0	ug/L	3.78	0.62%
Be 313.107	-905.8	-9.484	ug/L	0.0085	-9.484	ug/L	0.0085	0.09%
Ca 315.887	51804484.6	2590000	ug/L	4761.2	2590000	ug/L	4761.2	0.18%
Cd 214.440	5715.6	-9.864	ug/L	0.0483	-9.864	ug/L	0.0483	0.49%
Co 228.616	96.4	-18.99	ug/L	0.272	-18.99	ug/L	0.272	1.43%
Cr 267.716	345.2	-29.66	ug/L	0.134	-29.66	ug/L	0.134	0.45%
Cu 327.393	-3221.1	26.76	ug/L	0.743	26.76	ug/L	0.743	2.78%
Fe 273.955	1045.1	-2184	ug/L	4.4	-2184	ug/L	4.4	0.20%
K 766.490	18261.6	1028	ug/L	28.2	1028	ug/L	28.2	2.75%
Mg 285.213	700376.2	16480	ug/L	114.8	16480	ug/L	114.8	0.70%
Mn 257.610	59020.9	636.0	ug/L	6.58	636.0	ug/L	6.58	1.03%
Mo 202.031	-9.4	-25.77	ug/L	0.473	-25.77	ug/L	0.473	1.84%
Na 589.592	875203.2	54390	ug/L	393.7	54390	ug/L	393.7	0.72%
Ni 231.604	927.7	-16.63	ug/L	0.191	-16.63	ug/L	0.191	1.15%
P 213.617	1634.7	160.6	ug/L	0.44	160.6	ug/L	0.44	0.27%
Pb 220.353	-172.9	-7.576	ug/L	0.2259	-7.576	ug/L	0.2259	2.98%
Sb 206.836	-28.7	-3.319	ug/L	0.1669	-3.319	ug/L	0.1669	5.03%
Se 196.026	-16.6	-2.808	ug/L	2.2535	-2.808	ug/L	2.2535	80.25%
Sn 189.927	-117.0	-9.629	ug/L	0.5985	-9.629	ug/L	0.5985	6.22%
Sr 421.552	973462.3	673.2	ug/L	4.71	673.2	ug/L	4.71	0.70%
Ti 337.279	338.3	-32.59	ug/L	0.158	-32.59	ug/L	0.158	0.49%
Tl 190.801	-104.4	-11.17	ug/L	0.177	-11.17	ug/L	0.177	1.59%
V 292.402	800.4	-15.85	ug/L	0.061	-15.85	ug/L	0.061	0.39%
Zn 206.200	9415.8	-25.30	ug/L	0.146	-25.30	ug/L	0.146	0.58%

Sequence No.: 106
Sample ID: AY55859802
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.14 g
Dilution:

Autosampler Location: 152
Date Collected: 03/06/12 11:46:13 PM
Data Type: Reprocessed on 03/07/12 2:13:53 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55859802

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	2412.1	16.24	ug/L	0.143	1.425	mg/kg	0.0126	0.88%
Al 308.215	389422.9	170400	ug/L	1117.8	14940	mg/kg	98.0	0.66%
As 188.979	226.4	45.60	ug/L	4.325	4.000	mg/kg	0.3794	9.48%
B	-807.5	275.9	ug/L	2.25	24.20	mg/kg	0.197	0.81%
Ba 233.527	109170.6	448.1	ug/L	2.23	39.31	mg/kg	0.195	0.50%
Be 313.107	48.7	-0.517	ug/L	0.0678	-0.045	mg/kg	0.0060	13.13%
Ca 315.887	27945984.1	1618000	ug/L	17580.3	141900	mg/kg	1542.1	1.09%
Cd 214.440	3871.0	-9.271	ug/L	0.3341	-0.813	mg/kg	0.0293	3.60%
Co 228.616	3154.0	14.66	ug/L	0.735	1.286	mg/kg	0.0645	5.02%
Cr 267.716	22695.4	123.0	ug/L	0.85	10.79	mg/kg	0.075	0.69%
Cu 327.393	11063.8	97.13	ug/L	0.212	8.520	mg/kg	0.0186	0.22%
Fe 273.955	3106048.6	92090	ug/L	408.2	8078	mg/kg	35.8	0.44%
K 766.490	131447.2	31130	ug/L	193.4	2731	mg/kg	17.0	0.62%
Mg 285.213	1052072.1	31550	ug/L	193.4	2768	mg/kg	17.0	0.61%
Mn 257.610	138156.2	1830	ug/L	3.1	160.6	mg/kg	0.27	0.17%
Mo 202.031	-19.4	-11.19	ug/L	0.289	-0.981	mg/kg	0.0254	2.59%
Na 589.592	13312.4	338.1	ug/L	7.90	29.66	mg/kg	0.693	2.34%
Ni 231.604	8063.8	87.42	ug/L	0.962	7.669	mg/kg	0.0844	1.10%
P 213.617	10467.5	1323	ug/L	16.0	116.1	mg/kg	1.40	1.21%
Pb 220.353	1195.3	62.87	ug/L	2.132	5.515	mg/kg	0.1870	3.39%
Sb 206.836	-3.3	-0.478	ug/L	1.3815	-0.042	mg/kg	0.1212	289.29%
Se 196.026	9.9	2.100	ug/L	8.4374	0.184	mg/kg	0.7401	401.72%
Sn 189.927	-217.3	-21.42	ug/L	1.038	-1.879	mg/kg	0.0910	4.84%
Sr 421.552	592383.7	567.1	ug/L	2.89	49.75	mg/kg	0.253	0.51%
Ti 337.279	118778.1	1551	ug/L	5.5	136.1	mg/kg	0.48	0.35%
Tl 190.801	-328.2	-1.794	ug/L	1.1674	-0.157	mg/kg	0.1024	65.08%
V 292.402	82734.7	250.4	ug/L	1.58	21.97	mg/kg	0.139	0.63%
Zn 206.200	46813.4	279.7	ug/L	3.31	24.54	mg/kg	0.290	1.18%

Sequence No.: 128
Sample ID: AY55859S02-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.14 g
Dilution: 5X

Autosampler Location: 50
Date Collected: 03/07/12 1:58:27 AM
Data Type: Reprocessed on 03/07/12 2:14:14 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55859S02-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	519.7	3.500	ug/L	0.6202	1.535	mg/kg	0.2720	17.72%
Al 308.215	90358.7	39500	ug/L	208.9	17320	mg/kg	91.6	0.53%
As 188.979	40.5	8.155	ug/L	0.2971	3.577	mg/kg	0.1303	3.64%
B	-194.2	70.96	ug/L	5.098	31.12	mg/kg	2.236	7.18%
Ba 233.527	27701.4	113.7	ug/L	3.28	49.89	mg/kg	1.440	2.89%
Be 313.107	893.5	-0.062	ug/L	0.0449	-0.027	mg/kg	0.0197	72.02%
Ca 315.887	6893188.8	399000	ug/L	1944.1	175000	mg/kg	852.7	0.49%
Cd 214.440	1038.2	-2.171	ug/L	0.0197	-0.952	mg/kg	0.0086	0.91%
Co 228.616	892.4	4.928	ug/L	0.2248	2.161	mg/kg	0.0986	4.56%
Cr 267.716	6178.2	34.03	ug/L	0.817	14.92	mg/kg	0.358	2.40%
Cu 327.393	2435.5	21.38	ug/L	0.664	9.377	mg/kg	0.2911	3.10%
Fe 273.955	790315.9	23440	ug/L	919.5	10280	mg/kg	403.3	3.92%
K 766.490	29940.3	7065	ug/L	59.5	3099	mg/kg	26.1	0.84%
Mg 285.213	249137.4	7464	ug/L	46.9	3274	mg/kg	20.6	0.63%
Mn 257.610	36577.9	485.1	ug/L	5.71	212.7	mg/kg	2.51	1.18%
Mo 202.031	19.5	-2.215	ug/L	0.3374	-0.972	mg/kg	0.1480	15.23%
Na 589.592	3945.6	141.3	ug/L	14.12	61.97	mg/kg	6.194	10.00%
Ni 231.604	2153.7	23.77	ug/L	0.582	10.42	mg/kg	0.255	2.45%
P 213.617	2450.2	309.7	ug/L	8.62	135.8	mg/kg	3.78	2.78%
Pb 220.353	343.9	18.09	ug/L	0.271	7.933	mg/kg	0.1189	1.50%
Sb 206.836	-14.2	-2.053	ug/L	0.5455	-0.901	mg/kg	0.2392	26.57%
Se 196.026	-7.6	-1.610	ug/L	2.4842	-0.706	mg/kg	1.0896	154.27%
Sn 189.927	-225.1	-22.19	ug/L	0.414	-9.734	mg/kg	0.1814	1.86%
Sr 421.552	140930.2	134.8	ug/L	0.87	59.10	mg/kg	0.383	0.65%
Ti 337.279	27843.8	363.4	ug/L	4.26	159.4	mg/kg	1.87	1.17%
Tl 190.801	-88.0	-0.968	ug/L	0.1074	-0.425	mg/kg	0.0471	11.09%
V 292.402	20580.8	62.28	ug/L	1.896	27.31	mg/kg	0.832	3.04%
Zn 206.200	12630.2	76.75	ug/L	2.235	33.66	mg/kg	0.980	2.91%

Sequence No.: 107
Sample ID: AY55869S02
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.17 g
Dilution:

Autosampler Location: 153
Date Collected: 03/06/12 11:50:44 PM
Data Type: Reprocessed on 03/07/12 2:13:54 PM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55869S02

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	3319.6	22.35	ug/L	0.096	1.910	mg/kg	0.0082	0.43%
Al 308.215	120883.2	51220	ug/L	481.2	4378	mg/kg	41.1	0.94%
As 188.979	86.1	17.35	ug/L	1.120	1.483	mg/kg	0.0957	6.46%
B	18.6	304.0	ug/L	7.85	25.98	mg/kg	0.671	2.58%
Ba 233.527	25093.6	91.19	ug/L	0.760	7.794	mg/kg	0.0650	0.83%
Be 313.107	6400.4	-5.342	ug/L	0.0434	-0.457	mg/kg	0.0037	0.81%
Ca 315.887	35228098.2	2039000	ug/L	12302.7	174300	mg/kg	1051.5	0.60%
Cd 214.440	1394.3	-15.65	ug/L	0.067	-1.337	mg/kg	0.0057	0.43%
Co 228.616	1507.9	-1.620	ug/L	0.3657	-0.138	mg/kg	0.0313	22.57%
Cr 267.716	8182.3	26.74	ug/L	0.520	2.286	mg/kg	0.0445	1.95%
Cu 327.393	4583.5	40.24	ug/L	0.364	3.439	mg/kg	0.0311	0.90%
Fe 273.955	1710473.7	49770	ug/L	379.3	4254	mg/kg	32.4	0.76%
K 766.490	77375.7	17410	ug/L	149.3	1488	mg/kg	12.8	0.86%
Mg 285.213	636976.6	18550	ug/L	173.2	1585	mg/kg	14.8	0.93%
Mn 257.610	105423.3	1386	ug/L	12.0	118.4	mg/kg	1.03	0.87%
Mo 202.031	53.2	-15.83	ug/L	0.242	-1.353	mg/kg	0.0207	1.53%
Na 589.592	10167.6	-116.2	ug/L	19.04	-9.929	mg/kg	1.6274	16.39%
Ni 231.604	3228.0	20.51	ug/L	0.769	1.753	mg/kg	0.0657	3.75%
P 213.617	4172.7	527.4	ug/L	3.19	45.08	mg/kg	0.273	0.61%
Pb 220.353	291.1	15.31	ug/L	0.423	1.309	mg/kg	0.0362	2.77%
Sb 206.836	-34.8	-5.040	ug/L	0.8978	-0.431	mg/kg	0.0767	17.81%
Se 196.026	-49.2	-10.48	ug/L	3.167	-0.896	mg/kg	0.2707	30.22%
Sn 189.927	-298.1	-29.39	ug/L	0.033	-2.512	mg/kg	0.0028	0.11%
Sr 421.552	433600.1	406.4	ug/L	3.19	34.74	mg/kg	0.273	0.79%
Ti 337.279	26547.0	323.5	ug/L	4.55	27.65	mg/kg	0.389	1.41%
Tl 190.801	-166.1	-6.190	ug/L	0.7595	-0.529	mg/kg	0.0649	12.27%
V 292.402	45687.9	130.8	ug/L	0.97	11.18	mg/kg	0.083	0.74%
Zn 206.200	16347.4	51.59	ug/L	0.801	4.409	mg/kg	0.0685	1.55%

Sequence No.: 129
Sample ID: AY55869802-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.17 g
Dilution: 5X

Autosampler Location: 51
Date Collected: 03/07/12 2:03:16 AM
Data Type: Reprocessed on 03/07/12 2:14:15 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55869802-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	673.6	4.536	ug/L	0.5374	1.938	mg/kg	0.2297	11.85%
Al 308.215	26784.8	11330	ug/L	49.1	4843	mg/kg	21.0	0.43%
As 188.979	7.8	1.564	ug/L	0.1661	0.668	mg/kg	0.0710	10.63%
B	-30.4	66.42	ug/L	0.667	28.39	mg/kg	0.285	1.00%
Ba 233.527	5753.3	20.76	ug/L	0.047	8.873	mg/kg	0.0203	0.23%
Be 313.107	2222.4	-1.127	ug/L	0.0433	-0.482	mg/kg	0.0185	3.84%
Ca 315.887	8055958.0	466400	ug/L	2865.4	199300	mg/kg	1224.5	0.61%
Cd 214.440	377.0	-3.517	ug/L	0.0681	-1.503	mg/kg	0.0291	1.94%
Co 228.616	411.4	0.359	ug/L	0.4289	0.153	mg/kg	0.1833	119.44%
Cr 267.716	1878.1	6.168	ug/L	0.0403	2.636	mg/kg	0.0172	0.65%
Cu 327.393	721.4	6.333	ug/L	0.2119	2.707	mg/kg	0.0905	3.35%
Fe 273.955	421617.3	12300	ug/L	17.4	5256	mg/kg	7.4	0.14%
K 766.490	15814.4	3518	ug/L	27.0	1503	mg/kg	11.5	0.77%
Mg 285.213	138458.2	4019	ug/L	19.9	1718	mg/kg	8.5	0.49%
Mn 257.610	24794.2	326.1	ug/L	1.72	139.4	mg/kg	0.74	0.53%
Mo 202.031	39.7	-3.021	ug/L	0.4853	-1.291	mg/kg	0.2074	16.06%
Na 589.592	2334.9	-25.83	ug/L	9.869	-11.04	mg/kg	4.217	38.21%
Ni 231.604	785.2	5.303	ug/L	0.1403	2.266	mg/kg	0.0599	2.65%
P 213.617	906.2	114.5	ug/L	0.83	48.94	mg/kg	0.353	0.72%
Pb 220.353	89.1	4.687	ug/L	0.7813	2.003	mg/kg	0.3339	16.67%
Sb 206.836	-16.5	-2.397	ug/L	0.6329	-1.024	mg/kg	0.2705	26.40%
Se 196.026	-14.6	-3.103	ug/L	2.3225	-1.326	mg/kg	0.9925	74.84%
Sn 189.927	-249.6	-24.60	ug/L	0.238	-10.51	mg/kg	0.102	0.97%
Sr 421.552	94118.6	87.95	ug/L	0.314	37.58	mg/kg	0.134	0.36%
Ti 337.279	5644.1	68.34	ug/L	0.243	29.20	mg/kg	0.104	0.36%
Tl 190.801	-39.1	-1.492	ug/L	0.6644	-0.638	mg/kg	0.2839	44.54%
V 292.402	10937.7	31.39	ug/L	0.033	13.42	mg/kg	0.014	0.11%
Zn 206.200	3898.9	12.90	ug/L	0.233	5.513	mg/kg	0.0996	1.81%

Sequence No.: 36
Sample ID: 120301A-3010T-BLK
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 03/01/12 6:17:49 PM
Data Type: Reprocessed on 03/02/12 9:44:33 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 120301A-3010T-BLK

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	-93.6	-0.533	ug/L	0.1311	-0.533	ug/L	0.1311	24.61%
Al 308.215	-504.6	-232.1	ug/L	11.28	-232.1	ug/L	11.28	4.86%
As 188.979	3.8	0.533	ug/L	0.9495	0.533	ug/L	0.9495	178.15%
B	9.6	1.398	ug/L	0.8338	1.398	ug/L	0.8338	59.65%
Ba 233.527	-19.8	-0.071	ug/L	0.0222	-0.071	ug/L	0.0222	31.33%
Be 313.107	839.7	0.113	ug/L	0.0426	0.113	ug/L	0.0426	37.65%
Ca 315.887	9.2	0.478	ug/L	1.5103	0.478	ug/L	1.5103	315.65%
Cd 214.440	-20.9	-0.038	ug/L	0.0177	-0.038	ug/L	0.0177	46.52%
Co 228.616	-10.8	-0.098	ug/L	0.1128	-0.098	ug/L	0.1128	114.93%
Cr 267.716	32.3	0.176	ug/L	0.1790	0.176	ug/L	0.1790	101.58%
Cu 327.393	247.5	1.336	ug/L	0.6741	1.336	ug/L	0.6741	50.45%
Fe 273.955	17.5	0.463	ug/L	0.4054	0.463	ug/L	0.4054	87.55%
K 766.490	3576.7	627.6	ug/L	14.74	627.6	ug/L	14.74	2.35%
Mg 285.213	173.8	4.471	ug/L	0.2871	4.471	ug/L	0.2871	6.42%
Mn 257.610	-393.6	-4.493	ug/L	0.1680	-4.493	ug/L	0.1680	3.74%
Mo 202.031	6.7	0.106	ug/L	0.3870	0.106	ug/L	0.3870	366.28%
Na 589.592	500.9	31.74	ug/L	10.256	31.74	ug/L	10.256	32.31%
Ni 231.604	-35.7	-0.392	ug/L	0.1678	-0.392	ug/L	0.1678	42.79%
P 213.617	767.0	75.37	ug/L	1.263	75.37	ug/L	1.263	1.68%
Pb 220.353	6.2	0.271	ug/L	0.6186	0.271	ug/L	0.6186	228.14%
Sb 206.836	4.2	0.485	ug/L	0.3771	0.485	ug/L	0.3771	77.79%
Se 196.026	24.4	4.119	ug/L	0.2824	4.119	ug/L	0.2824	6.86%
Sn 189.927	33.0	2.719	ug/L	0.3939	2.719	ug/L	0.3939	14.49%
Sr 421.552	-307.1	-0.220	ug/L	0.1172	-0.220	ug/L	0.1172	53.34%
Ti 337.279	34.2	0.354	ug/L	0.3158	0.354	ug/L	0.3158	89.32%
Tl 190.801	2.1	0.103	ug/L	0.5787	0.103	ug/L	0.5787	561.33%
V 292.402	-105.7	-0.302	ug/L	0.2773	-0.302	ug/L	0.2773	91.78%
Zn 206.200	831.1	4.805	ug/L	0.1017	4.805	ug/L	0.1017	2.12%

Sequence No.: 43
Sample ID: 120301A-3050G-BLK
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1 g
Dilution:

Autosampler Location: 99
Date Collected: 03/06/12 5:58:29 PM
Data Type: Reprocessed on 03/07/12 2:12:51 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: 120301A-3050G-BLK

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-63.1	-0.425	ug/L	0.7083	-0.043	mg/kg	0.0708	166.59%
Al 308.215	-2.7	-1.248	ug/L	5.2153	-0.125	mg/kg	0.5215	417.81%
As 188.979	4.5	0.906	ug/L	1.3821	0.091	mg/kg	0.1382	152.51%
B	22.1	3.829	ug/L	1.2316	0.383	mg/kg	0.1232	32.17%
Ba 233.527	-5.1	-0.026	ug/L	0.0597	-0.003	mg/kg	0.0060	229.23%
Be 313.107	967.6	0.156	ug/L	0.0464	0.016	mg/kg	0.0046	29.82%
Ca 315.887	-29.9	-1.791	ug/L	2.0006	-0.179	mg/kg	0.2001	111.71%
Cd 214.440	-14.9	-0.034	ug/L	0.0418	-0.003	mg/kg	0.0042	122.52%
Co 228.616	10.0	0.111	ug/L	0.1734	0.011	mg/kg	0.0173	156.60%
Cr 267.716	-57.7	-0.367	ug/L	0.0404	-0.037	mg/kg	0.0040	11.01%
Cu 327.393	148.3	1.302	ug/L	0.3705	0.130	mg/kg	0.0370	28.45%
Fe 273.955	792.8	23.86	ug/L	0.165	2.386	mg/kg	0.0165	0.69%
K 766.490	48.5	11.96	ug/L	45.763	1.196	mg/kg	4.5763	382.68%
Mg 285.213	72.2	2.223	ug/L	0.4707	0.222	mg/kg	0.0471	21.17%
Mn 257.610	46.2	0.620	ug/L	0.2669	0.062	mg/kg	0.0267	43.05%
Mo 202.031	-17.3	-0.334	ug/L	0.0935	-0.033	mg/kg	0.0094	28.03%
Na 589.592	339.7	29.63	ug/L	12.806	2.963	mg/kg	1.2806	43.21%
Ni 231.604	32.9	0.439	ug/L	0.0847	0.044	mg/kg	0.0085	19.31%
P 213.617	189.0	23.89	ug/L	1.346	2.389	mg/kg	0.1346	5.64%
Pb 220.353	20.9	1.102	ug/L	0.3703	0.110	mg/kg	0.0370	33.62%
Sb 206.836	8.5	1.227	ug/L	0.6199	0.123	mg/kg	0.0620	50.53%
Se 196.026	-8.4	-1.779	ug/L	1.7081	-0.178	mg/kg	0.1708	96.02%
Sn 189.927	-146.8	-14.47	ug/L	0.797	-1.447	mg/kg	0.0797	5.50%
Sr 421.552	-297.7	-0.295	ug/L	0.1377	-0.029	mg/kg	0.0138	46.73%
Ti 337.279	-39.8	-0.528	ug/L	0.2324	-0.053	mg/kg	0.0232	44.05%
Tl 190.801	14.8	1.156	ug/L	0.4016	0.116	mg/kg	0.0402	34.74%
V 292.402	27.3	0.080	ug/L	0.2758	0.008	mg/kg	0.0276	345.85%
Zn 206.200	325.5	2.326	ug/L	0.0064	0.233	mg/kg	0.0006	0.27%

Sequence No.: 37
Sample ID: 120301A-3010T-LCS
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 03/01/12 6:22:46 PM
Data Type: Reprocessed on 03/02/12 9:44:34 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 120301A-3010T-LCS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	18128.7	103.1	ug/L	1.13	103.1	ug/L	1.13	1.10%
Al 308.215	3971.5	1826	ug/L	55.5	1826	ug/L	55.5	3.04%
As 188.979	1963.4	274.2	ug/L	0.64	274.2	ug/L	0.64	0.23%
B	1783.1	264.6	ug/L	5.56	264.6	ug/L	5.56	2.10%
Ba 233.527	75521.0	269.7	ug/L	2.22	269.7	ug/L	2.22	0.82%
Be 313.107	405948.3	54.66	ug/L	0.377	54.66	ug/L	0.377	0.69%
Ca 315.887	540521.1	26980	ug/L	112.7	26980	ug/L	112.7	0.42%
Cd 214.440	30763.8	53.60	ug/L	0.387	53.60	ug/L	0.387	0.72%
Co 228.616	32379.8	292.6	ug/L	0.51	292.6	ug/L	0.51	0.17%
Cr 267.716	54910.2	293.9	ug/L	1.92	293.9	ug/L	1.92	0.65%
Cu 327.393	49810.0	268.2	ug/L	1.92	268.2	ug/L	1.92	0.72%
Fe 273.955	47115.9	1074	ug/L	7.6	1074	ug/L	7.6	0.70%
K 766.490	33857.9	5916	ug/L	17.9	5916	ug/L	17.9	0.30%
Mg 285.213	1045597.8	26670	ug/L	97.6	26670	ug/L	97.6	0.37%
Mn 257.610	24572.1	278.6	ug/L	4.50	278.6	ug/L	4.50	1.61%
Mo 202.031	17121.2	267.0	ug/L	0.63	267.0	ug/L	0.63	0.24%
Na 589.592	414809.9	26350	ug/L	97.4	26350	ug/L	97.4	0.37%
Ni 231.604	26720.7	292.1	ug/L	0.39	292.1	ug/L	0.39	0.13%
P 213.617	23417.3	2301	ug/L	4.9	2301	ug/L	4.9	0.21%
Pb 220.353	6343.1	277.9	ug/L	0.80	277.9	ug/L	0.80	0.29%
Sb 206.836	2327.2	268.8	ug/L	0.92	268.8	ug/L	0.92	0.34%
Se 196.026	1662.7	280.9	ug/L	0.89	280.9	ug/L	0.89	0.32%
Sn 189.927	3648.4	300.3	ug/L	0.53	300.3	ug/L	0.53	0.18%
Sr 421.552	362918.9	260.8	ug/L	0.78	260.8	ug/L	0.78	0.30%
Ti 337.279	25576.3	265.9	ug/L	4.16	265.9	ug/L	4.16	1.56%
Tl 190.801	4372.6	280.2	ug/L	0.63	280.2	ug/L	0.63	0.23%
V 292.402	96655.7	283.8	ug/L	1.75	283.8	ug/L	1.75	0.62%
Zn 206.200	95227.2	550.8	ug/L	3.48	550.8	ug/L	3.48	0.63%

Sequence No.: 44
Sample ID: 120301A-3050G-LCS
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1 g
Dilution:

Autosampler Location: 100
Date Collected: 03/06/12 6:03:11 PM
Data Type: Reprocessed on 03/07/12 2:12:52 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: 120301A-3050G-LCS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	14732.8	99.20	ug/L	0.845	9.920	mg/kg	0.0845	0.85%
Al 308.215	4725.7	2025	ug/L	37.0	202.5	mg/kg	3.70	1.83%
As 188.979	1213.1	244.4	ug/L	2.97	24.44	mg/kg	0.297	1.22%
B	1556.1	271.7	ug/L	5.56	27.17	mg/kg	0.556	2.05%
Ba 233.527	55825.5	240.6	ug/L	1.53	24.06	mg/kg	0.153	0.64%
Be 313.107	314306.9	52.19	ug/L	0.424	5.219	mg/kg	0.0424	0.81%
Ca 315.887	443803.8	25650	ug/L	81.1	2565	mg/kg	8.1	0.32%
Cd 214.440	23294.2	49.64	ug/L	0.120	4.964	mg/kg	0.0120	0.24%
Co 228.616	23146.2	257.5	ug/L	0.57	25.75	mg/kg	0.057	0.22%
Cr 267.716	41343.8	261.9	ug/L	2.48	26.19	mg/kg	0.248	0.95%
Cu 327.393	29088.8	255.4	ug/L	2.61	25.54	mg/kg	0.261	1.02%
Fe 273.955	33579.7	932.5	ug/L	10.05	93.25	mg/kg	1.005	1.08%
K 766.490	20043.8	4927	ug/L	11.3	492.7	mg/kg	1.13	0.23%
Mg 285.213	858753.8	26470	ug/L	90.4	2647	mg/kg	9.0	0.34%
Mn 257.610	20502.0	273.2	ug/L	4.19	27.32	mg/kg	0.419	1.53%
Mo 202.031	12724.1	246.1	ug/L	0.69	24.61	mg/kg	0.069	0.28%
Na 589.592	285909.9	24940	ug/L	94.2	2494	mg/kg	9.4	0.38%
Ni 231.604	19732.3	262.6	ug/L	0.76	26.26	mg/kg	0.076	0.29%
P 213.617	15709.3	1985	ug/L	3.6	198.5	mg/kg	0.36	0.18%
Pb 220.353	4835.5	254.3	ug/L	1.07	25.43	mg/kg	0.107	0.42%
Sb 206.836	1706.5	247.2	ug/L	0.21	24.72	mg/kg	0.021	0.09%
Se 196.026	1162.6	247.4	ug/L	2.92	24.74	mg/kg	0.292	1.18%
Sn 189.927	2473.7	243.9	ug/L	0.44	24.39	mg/kg	0.044	0.18%
Sr 421.552	254899.0	251.7	ug/L	0.87	25.17	mg/kg	0.087	0.35%
Ti 337.279	19561.8	258.4	ug/L	3.08	25.84	mg/kg	0.308	1.19%
Tl 190.801	3302.2	262.8	ug/L	0.18	26.28	mg/kg	0.018	0.07%
V 292.402	72775.8	254.8	ug/L	1.88	25.48	mg/kg	0.188	0.74%
Zn 206.200	69320.8	496.5	ug/L	3.18	49.65	mg/kg	0.318	0.64%

Sequence No.: 99
Sample ID: AY55855S02 MS
Analyst: EA
Logged In Analyst (Original) : ohemist_metals
Initial Sample Wt: 1.08 g
Dilution:

Autosampler Location: 145
Date Collected: 03/06/12 11:11:54 PM
Data Type: Reprocessed on 03/07/12 2:13:46 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55855S02 MS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	44848.8	302.0	ug/L	2.51	27.96	mg/kg	0.232	0.83%
Al 308.215	344677.2	150100	ug/L	1106.7	13900	mg/kg	102.5	0.74%
As 188.979	2000.1	402.9	ug/L	12.93	37.31	mg/kg	1.197	3.21%
B	1856.5	711.9	ug/L	7.57	65.92	mg/kg	0.701	1.06%
Ba 233.527	155894.2	650.7	ug/L	6.35	60.25	mg/kg	0.588	0.98%
Be 313.107	444611.9	69.85	ug/L	0.627	6.467	mg/kg	0.0580	0.90%
Ca 315.887	35299908.5	2043000	ug/L	16300.1	189200	mg/kg	1509.3	0.80%
Cd 214.440	39169.2	64.00	ug/L	0.920	5.926	mg/kg	0.0852	1.44%
Co 228.616	32753.8	342.9	ug/L	2.41	31.75	mg/kg	0.223	0.70%
Cr 267.716	74511.1	446.7	ug/L	5.24	41.36	mg/kg	0.485	1.17%
Cu 327.393	189641.7	1665	ug/L	15.7	154.1	mg/kg	1.46	0.94%
Fe 273.955	2604266.4	76540	ug/L	794.4	7087	mg/kg	73.6	1.04%
K 766.490	154969.6	36580	ug/L	328.7	3387	mg/kg	30.4	0.90%
Mg 285.213	2287484.4	69420	ug/L	537.7	6428	mg/kg	49.8	0.77%
Mn 257.610	142999.5	1887	ug/L	16.8	174.7	mg/kg	1.55	0.89%
Mo 202.031	16658.8	306.6	ug/L	1.92	28.39	mg/kg	0.177	0.62%
Na 589.592	460897.5	39190	ug/L	292.9	3629	mg/kg	27.1	0.75%
Ni 231.604	34806.4	440.0	ug/L	1.76	40.74	mg/kg	0.163	0.40%
P 213.617	30538.5	3860	ug/L	40.7	357.4	mg/kg	3.77	1.05%
Pb 220.353	9897.0	520.6	ug/L	3.07	48.20	mg/kg	0.284	0.59%
Sb 206.836	2310.3	334.7	ug/L	4.18	30.99	mg/kg	0.387	1.25%
Se 196.026	1658.7	353.0	ug/L	9.20	32.69	mg/kg	0.852	2.60%
Sn 189.927	3732.9	368.0	ug/L	2.97	34.07	mg/kg	0.275	0.81%
Sr 421.552	1347733.9	1310	ug/L	9.5	121.3	mg/kg	0.88	0.72%
Ti 337.279	105086.6	1363	ug/L	16.7	126.2	mg/kg	1.55	1.22%
Tl 190.801	3785.1	317.4	ug/L	2.71	29.39	mg/kg	0.251	0.85%
V 292.402	172406.9	566.2	ug/L	5.30	52.42	mg/kg	0.491	0.94%
Zn 206.200	183788.4	1249	ug/L	13.3	115.7	mg/kg	1.23	1.06%

Sequence No.: 100
Sample ID: AY55855S02 MSD
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution:

Autosampler Location: 146
Date Collected: 03/06/12 11:16:27 PM
Data Type: Reprocessed on 03/07/12 2:13:47 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55855S02 MSD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	27169.5	182.9	ug/L	1.29	16.94	mg/kg	0.119	0.70%
Al 308.215	317003.8	137700	ug/L	1103.7	12750	mg/kg	102.2	0.80%
As 188.979	2074.9	418.0	ug/L	5.26	38.70	mg/kg	0.487	1.26%
B	2057.5	736.2	ug/L	5.48	68.17	mg/kg	0.508	0.74%
Ba 233.527	152337.3	635.8	ug/L	8.61	58.87	mg/kg	0.797	1.35%
Be 313.107	428736.5	66.41	ug/L	0.989	6.149	mg/kg	0.0916	1.49%
Ca 315.887	37286347.6	2158000	ug/L	29478.1	199800	mg/kg	2729.5	1.37%
Cd 214.440	39335.9	63.74	ug/L	0.659	5.902	mg/kg	0.0610	1.03%
Co 228.616	32345.4	338.1	ug/L	2.52	31.31	mg/kg	0.233	0.75%
Cr 267.716	72836.1	434.6	ug/L	6.12	40.25	mg/kg	0.566	1.41%
Cu 327.393	72377.7	635.4	ug/L	9.74	58.83	mg/kg	0.902	1.53%
Fe 273.955	2425233.5	71060	ug/L	936.3	6579	mg/kg	86.7	1.32%
K 766.490	158072.9	37250	ug/L	238.8	3449	mg/kg	22.1	0.64%
Mg 285.213	2382631.5	72300	ug/L	559.3	6694	mg/kg	51.8	0.77%
Mn 257.610	145724.8	1922	ug/L	15.4	177.9	mg/kg	1.43	0.80%
Mo 202.031	17351.6	318.6	ug/L	3.42	29.50	mg/kg	0.317	1.07%
Na 589.592	472507.4	40160	ug/L	296.1	3718	mg/kg	27.4	0.74%
Ni 231.604	31149.8	390.1	ug/L	3.52	36.12	mg/kg	0.326	0.90%
P 213.617	31627.1	3997	ug/L	28.5	370.1	mg/kg	2.64	0.71%
Pb 220.353	8373.4	440.4	ug/L	1.72	40.78	mg/kg	0.159	0.39%
Sb 206.836	2463.1	356.8	ug/L	2.96	33.04	mg/kg	0.274	0.83%
Se 196.026	1681.9	358.0	ug/L	6.01	33.15	mg/kg	0.557	1.68%
Sn 189.927	3383.9	333.6	ug/L	2.84	30.89	mg/kg	0.263	0.85%
Sr 421.552	1549601.2	1508	ug/L	11.6	139.6	mg/kg	1.08	0.77%
Ti 337.279	95848.4	1239	ug/L	7.0	114.7	mg/kg	0.65	0.56%
Tl 190.801	3804.9	317.5	ug/L	0.75	29.40	mg/kg	0.070	0.24%
V 292.402	167885.1	551.3	ug/L	7.28	51.05	mg/kg	0.674	1.32%
Zn 206.200	150657.6	1009	ug/L	17.5	93.44	mg/kg	1.622	1.74%

Sequence No.: 2
Sample ID: AY55855802 MS-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution: 5X

Autosampler Location: 45
Date Collected: 03/07/12 1:31:41 AM
Data Type: Reprocessed on 03/12/12 2:56:31 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55855802 MS-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	9893.6	66.62	ug/L	2.677	30.84	mg/kg	1.239	4.02%
Al 308.215	76866.8	33430	ug/L	185.1	15480	mg/kg	85.7	0.55%
As 188.979	451.1	90.88	ug/L	1.215	42.07	mg/kg	0.563	1.34%
B	364.8	159.9	ug/L	6.72	74.02	mg/kg	3.109	4.20%
Ba 233.527	37705.5	157.3	ug/L	4.92	72.80	mg/kg	2.278	3.13%
Be 313.107	104792.8	16.36	ug/L	0.538	7.574	mg/kg	0.2492	3.29%
Ca 315.887	8521757.8	493300	ug/L	4211.3	228400	mg/kg	1949.7	0.85%
Cd 214.440	9815.9	16.15	ug/L	0.591	7.478	mg/kg	0.2736	3.66%
Co 228.616	8332.2	87.57	ug/L	2.719	40.54	mg/kg	1.259	3.11%
Cr 267.716	18780.6	112.9	ug/L	3.59	52.28	mg/kg	1.661	3.18%
Cu 327.393	42802.5	375.8	ug/L	12.07	174.0	mg/kg	5.59	3.21%
Fe 273.955	654862.6	19270	ug/L	667.3	8921	mg/kg	308.9	3.46%
K 766.490	34329.1	8069	ug/L	98.6	3736	mg/kg	45.7	1.22%
Mg 285.213	524321.9	15900	ug/L	80.1	7361	mg/kg	37.1	0.50%
Mn 257.610	33826.5	446.3	ug/L	3.30	206.6	mg/kg	1.53	0.74%
Mo 202.031	4002.7	73.73	ug/L	2.330	34.14	mg/kg	1.079	3.16%
Na 589.592	106398.8	9038	ug/L	46.0	4184	mg/kg	21.3	0.51%
Ni 231.604	8724.1	110.5	ug/L	3.40	51.17	mg/kg	1.575	3.08%
P 213.617	7171.6	906.4	ug/L	32.70	419.6	mg/kg	15.14	3.61%
Pb 220.353	2490.3	131.0	ug/L	4.60	60.64	mg/kg	2.130	3.51%
Sb 206.836	521.8	75.59	ug/L	2.684	35.00	mg/kg	1.243	3.55%
Se 196.026	365.7	77.84	ug/L	2.876	36.04	mg/kg	1.332	3.70%
Sn 189.927	744.9	73.43	ug/L	2.693	34.00	mg/kg	1.247	3.67%
Sr 421.552	313416.3	304.3	ug/L	1.54	140.9	mg/kg	0.71	0.51%
Ti 337.279	23713.1	307.1	ug/L	3.98	142.2	mg/kg	1.84	1.30%
Tl 190.801	960.8	79.99	ug/L	2.255	37.03	mg/kg	1.044	2.82%
V 292.402	41155.8	135.0	ug/L	4.49	62.49	mg/kg	2.078	3.33%
Zn 206.200	47297.2	322.6	ug/L	10.95	149.4	mg/kg	5.07	3.39%

Sequence No.: 3
Sample ID: AY55855S02 MSD-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution: 5X

Autosampler Location: 46
Date Collected: 03/07/12 1:36:41 AM
Data Type: Reprocessed on 03/12/12 2:56:32 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55855S02 MSD-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	6012.3	40.48	ug/L	1.539	18.74	mg/kg	0.713	3.80%
Al 308.215	72358.9	31390	ug/L	187.0	14530	mg/kg	86.6	0.60%
As 188.979	456.4	91.93	ug/L	2.932	42.56	mg/kg	1.357	3.19%
B	464.1	176.7	ug/L	2.32	81.82	mg/kg	1.073	1.31%
Ba 233.527	38169.2	159.2	ug/L	4.12	73.72	mg/kg	1.908	2.59%
Be 313.107	104245.7	16.04	ug/L	0.423	7.424	mg/kg	0.1959	2.64%
Ca 315.887	9174161.4	531100	ug/L	4418.6	245900	mg/kg	2045.7	0.83%
Cd 214.440	10142.2	16.60	ug/L	0.416	7.684	mg/kg	0.1924	2.50%
Co 228.616	8434.9	88.55	ug/L	1.948	40.99	mg/kg	0.902	2.20%
Cr 267.716	19154.1	114.8	ug/L	2.55	53.16	mg/kg	1.181	2.22%
Cu 327.393	16576.4	145.5	ug/L	3.43	67.37	mg/kg	1.588	2.36%
Fe 273.955	628748.1	18450	ug/L	463.1	8542	mg/kg	214.4	2.51%
K 766.490	35814.2	8404	ug/L	22.0	3891	mg/kg	10.2	0.26%
Mg 285.213	562982.1	17070	ug/L	106.0	7904	mg/kg	49.1	0.62%
Mn 257.610	35342.8	466.0	ug/L	4.92	215.7	mg/kg	2.28	1.06%
Mo 202.031	4245.9	78.03	ug/L	1.989	36.12	mg/kg	0.921	2.55%
Na 589.592	111080.8	9428	ug/L	42.9	4365	mg/kg	19.8	0.45%
Ni 231.604	7992.3	100.4	ug/L	2.26	46.46	mg/kg	1.046	2.25%
P 213.617	7417.8	937.5	ug/L	19.05	434.0	mg/kg	8.82	2.03%
Pb 220.353	2148.1	113.0	ug/L	1.89	52.31	mg/kg	0.875	1.67%
Sb 206.836	563.0	81.57	ug/L	1.544	37.76	mg/kg	0.715	1.89%
Se 196.026	371.4	79.04	ug/L	2.289	36.59	mg/kg	1.060	2.90%
Sn 189.927	681.5	67.18	ug/L	1.621	31.10	mg/kg	0.750	2.41%
Sr 421.552	366294.1	356.2	ug/L	2.03	164.9	mg/kg	0.94	0.57%
Ti 337.279	21698.6	279.9	ug/L	2.47	129.6	mg/kg	1.15	0.88%
Tl 190.801	1004.9	83.17	ug/L	2.061	38.50	mg/kg	0.954	2.48%
V 292.402	41144.1	135.0	ug/L	3.31	62.48	mg/kg	1.534	2.45%
Zn 206.200	40258.3	271.2	ug/L	6.48	125.5	mg/kg	3.00	2.39%

Sequence No.: 101
Sample ID: AY55855S02-A
Analyst: EA
Logged In Analyst (Original) : ohemist_metals
Initial Sample Wt: 1.08 g
Dilution:

Autosampler Location: 147
Date Collected: 03/06/12 11:21:52 PM
Data Type: Reprocessed on 03/07/12 2:13:48 PM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55855S02-A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	27915.7	188.0	ug/L	1.71	17.40	mg/kg	0.159	0.91%
Al 308.215	292556.1	127100	ug/L	633.8	11770	mg/kg	58.7	0.50%
As 188.979	2404.8	484.4	ug/L	7.92	44.85	mg/kg	0.733	1.63%
B	2010.5	714.1	ug/L	4.26	66.12	mg/kg	0.395	0.60%
Ba 233.527	166410.3	697.4	ug/L	4.08	64.57	mg/kg	0.378	0.58%
Be 313.107	496519.1	78.51	ug/L	0.398	7.270	mg/kg	0.0368	0.51%
Ca 315.887	33644016.5	1947000	ug/L	18743.9	180300	mg/kg	1735.5	0.96%
Cd 214.440	43427.6	74.09	ug/L	1.196	6.860	mg/kg	0.1107	1.61%
Co 228.616	37404.1	396.1	ug/L	4.23	36.68	mg/kg	0.392	1.07%
Cr 267.716	80926.1	488.7	ug/L	2.70	45.25	mg/kg	0.250	0.55%
Cu 327.393	181575.1	1594	ug/L	11.7	147.6	mg/kg	1.08	0.73%
Fe 273.955	2428423.6	71330	ug/L	398.7	6604	mg/kg	36.9	0.56%
K 766.490	143805.1	33900	ug/L	265.3	3139	mg/kg	24.6	0.78%
Mg 285.213	2399531.0	72930	ug/L	337.2	6753	mg/kg	31.2	0.46%
Mn 257.610	138883.6	1833	ug/L	11.2	169.7	mg/kg	1.04	0.61%
Mo 202.031	20410.4	380.0	ug/L	3.85	35.18	mg/kg	0.356	1.01%
Na 589.592	537704.0	45950	ug/L	197.2	4254	mg/kg	18.3	0.43%
Ni 231.604	35271.8	447.3	ug/L	5.12	41.42	mg/kg	0.474	1.14%
P 213.617	34112.4	4311	ug/L	36.5	399.2	mg/kg	3.38	0.85%
Pb 220.353	9388.9	493.9	ug/L	7.77	45.73	mg/kg	0.719	1.57%
Sb 206.836	2889.6	418.6	ug/L	5.67	38.76	mg/kg	0.525	1.35%
Se 196.026	1968.7	419.0	ug/L	9.32	38.80	mg/kg	0.863	2.22%
Sn 189.927	4143.9	408.5	ug/L	5.81	37.83	mg/kg	0.538	1.42%
Sr 421.552	1320767.1	1284	ug/L	5.1	118.9	mg/kg	0.47	0.40%
Ti 337.279	100922.5	1309	ug/L	6.4	121.2	mg/kg	0.59	0.49%
Tl 190.801	4580.2	378.8	ug/L	4.11	35.08	mg/kg	0.380	1.08%
V 292.402	180184.9	596.3	ug/L	3.08	55.21	mg/kg	0.285	0.52%
Zn 206.200	164425.8	1114	ug/L	8.9	103.2	mg/kg	0.83	0.80%

Sequence No.: 102
Sample ID: AY55855S02-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution: 5X

Autosampler Location: 148
Date Collected: 03/06/12 11:26:23 PM
Data Type: Reprocessed on 03/07/12 2:13:49 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55855S02-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	781.3	5.261	ug/L	0.3764	2.436	mg/kg	0.1743	7.16%
Al 308.215	66916.7	29070	ug/L	488.9	13460	mg/kg	226.4	1.68%
As 188.979	30.7	6.194	ug/L	0.7805	2.868	mg/kg	0.3614	12.60%
B	-140.2	67.81	ug/L	1.852	31.40	mg/kg	0.857	2.73%
Ba 233.527	20587.6	83.69	ug/L	0.316	38.75	mg/kg	0.147	0.38%
Be 313.107	2215.4	-0.723	ug/L	0.0515	-0.335	mg/kg	0.0238	7.12%
Ca 315.887	8119998.1	470000	ug/L	5475.5	217600	mg/kg	2535.0	1.16%
Cd 214.440	2298.3	0.285	ug/L	0.0784	0.132	mg/kg	0.0363	27.50%
Co 228.616	715.9	3.088	ug/L	0.1092	1.430	mg/kg	0.0505	3.53%
Cr 267.716	4515.5	22.75	ug/L	0.233	10.53	mg/kg	0.108	1.03%
Cu 327.393	30892.0	271.2	ug/L	4.79	125.6	mg/kg	2.22	1.77%
Fe 273.955	616751.9	18160	ug/L	258.8	8408	mg/kg	119.8	1.42%
K 766.490	23215.6	5344	ug/L	52.6	2474	mg/kg	24.4	0.98%
Mg 285.213	237142.9	7058	ug/L	59.2	3267	mg/kg	27.4	0.84%
Mn 257.610	26263.0	345.6	ug/L	4.84	160.0	mg/kg	2.24	1.40%
Mo 202.031	44.9	-2.708	ug/L	0.2071	-1.254	mg/kg	0.0959	7.65%
Na 589.592	3307.5	53.80	ug/L	10.620	24.91	mg/kg	4.916	19.74%
Ni 231.604	1514.3	14.72	ug/L	0.347	6.813	mg/kg	0.1608	2.36%
P 213.617	2088.7	264.0	ug/L	2.62	122.2	mg/kg	1.21	0.99%
Pb 220.353	602.0	31.67	ug/L	0.609	14.66	mg/kg	0.282	1.92%
Sb 206.836	-8.8	-1.277	ug/L	0.6194	-0.591	mg/kg	0.2868	48.50%
Se 196.026	-4.3	-0.908	ug/L	3.5432	-0.421	mg/kg	1.6404	390.09%
Sn 189.927	-180.0	-17.75	ug/L	0.076	-8.216	mg/kg	0.0350	0.43%
Sr 421.552	199558.9	192.1	ug/L	1.62	88.92	mg/kg	0.749	0.84%
Ti 337.279	15111.1	193.6	ug/L	2.75	89.64	mg/kg	1.271	1.42%
Tl 190.801	-49.9	-0.916	ug/L	0.2742	-0.424	mg/kg	0.1270	29.94%
V 292.402	15590.1	45.95	ug/L	0.302	21.27	mg/kg	0.140	0.66%
Zn 206.200	17546.5	110.1	ug/L	0.76	50.96	mg/kg	0.352	0.69%

Sequence No.: 1
Sample ID: AY55855S02-1/25
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.08 g
Dilution: 25X

Autosampler Location: 44
Date Collected: 03/07/12 1:11:25 AM
Data Type: Reprocessed on 03/12/12 2:56:30 PM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY55855S02-1/25

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	31.5	0.212	ug/L	0.3370	0.490	mg/kg	0.7801	159.12%
Al 308.215	13517.8	5871	ug/L	10.1	13590	mg/kg	23.4	0.17%
As 188.979	-9.5	-1.922	ug/L	1.0757	-4.450	mg/kg	2.4902	55.96%
B	-20.8	15.81	ug/L	1.679	36.60	mg/kg	3.887	10.62%
Ba 233.527	4325.3	17.58	ug/L	0.093	40.69	mg/kg	0.214	0.53%
Be 313.107	1600.3	0.036	ug/L	0.0473	0.083	mg/kg	0.1096	131.54%
Ca 315.887	1646767.1	95330	ug/L	1241.6	220700	mg/kg	2874.0	1.30%
Cd 214.440	551.8	0.225	ug/L	0.0311	0.521	mg/kg	0.0720	13.82%
Co 228.616	199.0	1.221	ug/L	0.0862	2.826	mg/kg	0.1995	7.06%
Cr 267.716	1004.8	5.179	ug/L	0.0781	11.99	mg/kg	0.181	1.51%
Cu 327.393	6355.0	55.79	ug/L	0.597	129.1	mg/kg	1.38	1.07%
Fe 273.955	133275.9	3930	ug/L	39.1	9098	mg/kg	90.6	1.00%
K 766.490	4748.1	1094	ug/L	13.6	2531	mg/kg	31.6	1.25%
Mg 285.213	47164.0	1403	ug/L	17.5	3247	mg/kg	40.4	1.25%
Mn 257.610	5656.7	74.54	ug/L	0.125	172.5	mg/kg	0.29	0.17%
Mo 202.031	41.4	0.093	ug/L	0.2544	0.216	mg/kg	0.5889	272.47%
Na 589.592	1117.7	49.84	ug/L	2.587	115.4	mg/kg	5.99	5.19%
Ni 231.604	327.9	3.256	ug/L	0.1356	7.536	mg/kg	0.3138	4.16%
P 213.617	431.3	54.52	ug/L	1.488	126.2	mg/kg	3.44	2.73%
Pb 220.353	144.5	7.601	ug/L	0.5313	17.59	mg/kg	1.230	6.99%
Sb 206.836	-8.9	-1.284	ug/L	0.3928	-2.971	mg/kg	0.9092	30.60%
Se 196.026	-8.4	-1.791	ug/L	1.8883	-4.145	mg/kg	4.3710	105.45%
Sn 189.927	-203.7	-20.08	ug/L	0.122	-46.49	mg/kg	0.282	0.61%
Sr 421.552	40012.2	38.49	ug/L	0.503	89.11	mg/kg	1.165	1.31%
Ti 337.279	3002.3	38.45	ug/L	0.090	88.99	mg/kg	0.208	0.23%
Tl 190.801	-9.6	-0.123	ug/L	0.5776	-0.284	mg/kg	1.3371	470.65%
V 292.402	3254.9	9.599	ug/L	0.0434	22.22	mg/kg	0.101	0.45%
Zn 206.200	3695.3	23.29	ug/L	0.352	53.92	mg/kg	0.816	1.51%

Metals Standards Log Book # 34 Page # 072

NM 2/29/12 TCLP FLUID #2

ADD 114mL of GLACIAL ACETIC ACID J.T. BAKER K45803-3022

to 19L of DI H_2O PH to 2.88 ± 0.01

FILL up to 20L DI H_2O EXP: 2/29/13

KWS 03/01/12

6010 B-C

(A)

KWS 03/01/12

1%HNO3 / 5%HCl BLK		MANUFACTURER	LOT	OPEN DATE
AMOUNT	REAGENT			
100 mL	HCL	BDH	411040	12/28/11
20 mL	HNO3	JT BAKER	K23022	12/27/11
Prepared in 2000 ml DI Water				
STD 1 / LDL 6010B/6010C		MANUFACTURER	LOT	EXP DATE
AMOUNT	STD	ABSOLUTE	091409-25205	09/14/12
0.5 mL	6010 LDL			
Prepared in 50 ml 1%HNO3/5%HCl				
STD 3 / RDL 6010B/6010C		ABSOLUTE	091409-25206	09/14/12
1ML	CCV-A	ABSOLUTE	091109-25208	09/14/12
1ML	CCV-B	ABSOLUTE	091009-25207	09/10/12
1ML	CCV-C			
Prepared in 100 ml 1%HNO3 / 5%HCl				
STD 2 / CCV1 6010B/6010C/6010C		PREP DATE	EXP DATE	
AMOUNT	STD	Today	1 week	
25mL	STD 3	Today	1 week	
25mL	1%HNO3/5%HCl			
CCV2 6010B/6010C		PREP DATE	EXP DATE	
AMOUNT	STD	Today	1 week	
15mL	STD 3	Today	1 week	
25mL	1%HNO3/5%HCl			

KWS 03/01/12

6010B/6010C ICSA				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-27686	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
Prepared in 50 ml 1%HNO3/5%HCl				
6010B/6010C ICSAB				
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-27686	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
0.5mL	JT SPECIAL M	O2SI	160495-01-01	03/01/12
Prepared in 50 ml 1%HNO3/5%HCl				
6010B/6010C ICV				
0.5ML	QCS ICV A	CPI	11C174-28548	09/17/12
0.5ML	QCS ICV B	CPI	11C174-28549	09/17/12
Prepared in 50ml 1%HNO3/5%HCl				

KWS 03/01/12

KWS 03/01/12

Hg WORKING STANDARD

1ml X 10ug/ml Hg STOCK STD. (02/17/12KWS)/200ml 1% HNO3 Lot#K47023

1ml X 10ug/ml Hg STOCK ICV (02/17/12KWS)/200ml 1% HNO3 Lot#K47023

Final concentration is 50 ug/L. Expires...03/01/12.....

NBS 03/02/12

NBS 03/02/12

6020/6020A

(N)

ICP-MS STANDARDS 6020/6020A/3015/3051A 03/02/12

Today's Date:

Expires: 03/09/12

Prep 1% HNO3/1.0%HCL

20 mL HNO3 / 2000 mL DI Water

Lot # K23022

20mL HCL / 2000mL DI Water

Lot #K43032

Expires: 03/09/12

Internal Standard Mix: Prep 02/29/2012

Standard 4 03/02/12

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1038407-28139
50 uL	CCV-B	Env. Express	1038410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL

Standard 3 03/09/12 03/02/12

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1038407-28139
25 uL	CCV-B	Env. Express	1038410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL

Standard 2 03/09/12 03/02/12

Amount	STD
500 uL	Standard 4

Prepared in 50 mL of 1% HNO3/1.0% HCL

Standard 1 03/09/12 03/02/12

Amount	STD
50 uL	Standard 4

Prepared in 50 mL of 1% HNO3/1.0% HCL

ICP-MS ICV 03/09/12 03/02/12

Amount	STD		
50 uL	QCS ICV A	CPI	11C174-28548
50 uL	QCS ICV B	CPI	11C174-28549

Prepared in 50 mL of 1% HNO3/1.0% HCL

ICSA Prep: 03/09/12 03/02/12

1 mL	ICSA	CPI	11C066-28529

Prepared in 5 mL of 1% HNO3/1.0% HCL

ICSAB Prep: 03/09/12 03/02/12

1mL	ICSA	CPI	11C066-28529
0.025mL	INT	O2SI	1023805-28210

Prepared in 5 mL of 1% HNO3/1.0% HCL

ICP-LDR 03/09/12

Amount	STD		
50 uL	CCV-A	Env. Express	1038407-28139
50 uL	CCV-B	Env. Express	1038410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 10 mL of 1% HNO3/1.0% HCL 03/02/12

074 Metals Standards Log Book # 34 Page # 074

NBS 03/05/12

NBS 03/05/12
6020/6020A
(A)

ICP-MS STANDARDS 6020/6020A/3015/3051A

Today's Date: 03/05/12
Expires: 03/12/12
Prep 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL DI Water
Lot # K23022
20mL HCL / 2000mL DI Water
Lot #K43032
Expires: 03/12/12

Internal Standard Mix: Prep 03/05/2012

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 03/05/12

Standard 3 03/12/12

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1036407-28139
25 uL	CCV-B	Env. Express	1036410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 03/05/12

Standard 2 03/12/12

Amount	STD	
500 uL	Standard 4	03/05/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/05/12

Standard 1 03/12/12

Amount	STD	
50 uL	Standard 4	03/05/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/05/12

ICP-MS ICV 03/12/12

Amount	STD		
50 uL	QCS ICV A	CPI	11C174-28548
50 uL	QCS ICV B	CPI	11C174-28549

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/05/12

ICSA Prep: 03/12/12

1 mL	ICSA	CPI	11C066-28529

Prepared in 5 mL of 1% HNO3/1.0% HCL 03/05/12

ICSAB Prep: 03/12/12

1mL	ICSA	CPI	11C066-28529
0.025mL	INT	O2SI	1023805-28210

Prepared in 5 mL of 1% HNO3/1.0% HCL 03/05/12

ICP-LDR 03/12/12

Amount	STD		
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 10 mL of 1% HNO3/1.0% HCL 03/05/12

NBS 03/05/12

NBS 03/05/12

Internal Standard Concentration

Amt	STD	Element	Vendor	Lot#	Final Conc. In Std		Expires
500uL	1000 ug/mL	Li	CPI	10L079-27839	5000 ug/L		06/10/12
500uL	1000 ug/mL	In	CPI	10J155-28574	5000 ug/L		09/25/12
500uL	1000 ug/mL	Ho	CPI	10A107-28576	5000 ug/L		09/25/12
500uL	1000 ug/mL	Tb	CPI	11B054-28575	5000 ug/L		09/25/12
500uL	1000 ug/mL	Sc	o2si	1024073-28527	5000 ug/L		08/18/12
500uL	1000 ug/mL	Ge	Environmental Express	1116011-29381	5000 ug/L		02/08/13

Prep:	03/05/12	N&S	Prep In -	1%HNO3/1.0%HCL:	Lot #KK23022/43032	in 100mL
Expires:	04/04/12					

KWS 03/06/12

KWS 03/06/12

Hg WORKING STANDARD

1ml X 10ug/ml Hg STOCK STD. (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
1ml X 10ug/ml Hg STOCK ICV (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
Final concentration is 50 ug/L. Expires..03/06/12.....

SA 3-6-12
6010B C
(A)

1%HNO3 / 5%HCl BLK						6010B/6010C ICSA				
AMOUNT	REAGENT	MANUFACTURER	LOT	OPEN DATE	AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
100 mL	HCL	BDH	411040	12/26/11	1mL	Al	CPI	10E012-27685	04/20/12
20 mL	HNO3	JT BAKER	K23022	12/27/11	1mL	Ca	CPI	11A008-28528	09/15/12
Prepared in 2000 ml DI Water					1mL	Mg	CPI	10H213-2786	04/20/12
STD 1 / LDL 6010B/6010C					1mL	Fe	O2SI	1022245-27699	04/22/12
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE	Prepared in 50 ml 1%HNO3/5%HCl				
0.5 mL	6010 LDL	ABSOLUTE	091409-25205	09/14/12	6010B/6010C ICSAB				
Prepared in 50 ml 1%HNO3/5%HCl					1mL	Al	CPI	10E012-27685	04/20/12
STD 3 / HDL 6010B/6010C					1mL	Ca	CPI	11A008-28528	09/15/12
1ML	CCV-A	ABSOLUTE	091409-25208	09/14/12	1mL	Mg	CPI	10H213-2786	04/20/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12	1mL	Fe	O2SI	1022245-27699	04/22/12
1ML	CCV-C	ABSOLUTE	091009-25207	09/10/12	0.5mL	JT SPECIAL M	O2SI	160495-01-03	03/01/12
Prepared in 100 ml 1%HNO3 / 5%HCl					Prepared in 50 ml 1%HNO3/5%HCl				
STD 2 / CCV1 6010B/6010C/6010C					6010B/6010C ICV				
AMOUNT	STD	PREP DATE	EXP DATE		0.6ML	QCS ICV A	CPI	11C174-28548	09/17/12
25mL	STD 3	Today	1 week		0.6ML	QCS ICV B	CPI	11C174-28549	09/17/12
25mL	1%HNO3/5%HCl	Today	1 week		Prepared in 50ml 1%HNO3/5%HCl				
CCV2 6010B/6010C									
AMOUNT	STD	PREP DATE	EXP DATE						
25mL	STD 3	Today	1 week						
25mL	1%HNO3/5%HCl	Today	1 week						

SA 3-6-12

Metals Digestion Worksheet

Method Name 3010A Digestion (TCLP) **Prep Method** M3010TCLP T **Set** 120301A **Units** mL

Spikes	
Spiked ID 1	LCSW LOT# 1032278-30260
Spiked ID 2	LCSW LOT# 1032271-30258
Spiked ID 3	
Spiked ID 4	
Spiked By	NM Date: 03/01/12 9:00:00 AM
Witnessed By	EA Date: 03/01/12 9:00:00 AM

Starting Temp:	95 c
Ending Temp:	95 c
Temperature Type:	Mod Block
Sufficient Vol for Matrix QC:	Yes
End Date/Time	03/01/12 13:30

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	120301A Blk				50mL	50mL	03/01/12 9:00	equip: Modblock2 Tumble Start Time 2-28-12 @ 15:00
2	120301A LCS		500uL	1+2	50mL	50mL	03/01/12 9:00	equip: Modblock2 Tumble End Time 2-29-12 @ 0900
3	AY55857	AY55857S01			50mL	50mL	03/01/12 9:00	equip: Modblock2 Fluid # 2
4	AY55858	AY55858S01			50mL	50mL	03/01/12 9:00	equip: Modblock2 Fluid # 2
5	AY55859	AY55859S01			50mL	50mL	03/01/12 9:00	equip: Modblock2 Fluid # 2
6	AY55859 MS	AY55859S01	500uL	1+2	50mL	50mL	03/01/12 9:00	equip: Modblock2 Fluid # 2
7	AY55859 MSD	AY55859S01	500uL	1+2	50mL	50mL	03/01/12 9:00	equip: Modblock2 Fluid # 2

Solvent and Lot#
HNO3 J.T.B K47023 0145
1:1 HCL 2-29-12

Sample COC Transfer	
Sample prep employee Initials	nm
Analyst's initials	EA
Date	3-1-12
Time	13:30
Moved to	Metals

Technician's Initials	
Scanned By	nm
Sample Preparation	nm
Digestion	lo
Bring up to volume	lo
Modified	03/01/12 8:52:22 AM

Reviewed By: EA **Date:** 3-1-12

_M3050GRO

Metals Digestion Worksheet

Method Name 3050B Digestion (GROSS UP) **Prep Method** M3050GROSSa **Set** 120301A **Units** mL

Spikes	
Spiked ID 1	LCSW LOT# #1032278-30261
Spiked ID 2	LCSW LOT# #1032271-30259
Spiked ID 3	
Spiked ID 4	
Spiked By	LO Date: 03/01/12 9:55:00 AM
Witnessed By	NM Date: 03/01/12 9:55:00 AM

Starting Temp:	95 C
Ending Temp:	95 C
Temperature Type:	Mod Block
Sufficient Vol for Matrix QC:	YES
End Date/Time	03/01/12 13:00

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	120301A Blk				1.00g	100mL	03/01/12 9:55	equip: Modblock1
2	120301A LCS		1mL	1+2	1.00g	100mL	03/01/12 9:55	equip: Modblock1
3	AY55846	AY55846S02			1.15g	100mL	03/01/12 9:55	equip: Modblock1
4	AY55847	AY55847S02			1.20g	100mL	03/01/12 9:55	equip: Modblock1
5	AY55848	AY55848S02			1.13g	100mL	03/01/12 9:55	equip: Modblock1
6	AY55849	AY55849S02			1.12g	100mL	03/01/12 9:55	equip: Modblock1
7	AY55850	AY55850S02			1.17g	100mL	03/01/12 9:55	equip: Modblock1
8	AY55851	AY55851S02			1.04g	100mL	03/01/12 9:55	equip: Modblock1
9	AY55852	AY55852S02			1.08g	100mL	03/01/12 9:55	equip: Modblock1
10	AY55853	AY55853S02			1.14g	100mL	03/01/12 9:55	equip: Modblock1
11	AY55854	AY55854S02			1.08g	100mL	03/01/12 9:55	equip: Modblock1
12	AY55855	AY55855S02			1.08g	100mL	03/01/12 9:55	equip: Modblock1
13	AY55855 MS	AY55855S02	2mL	1+2	1.08g	100mL	03/01/12 9:55	equip: Modblock1
14	AY55855 MSD	AY55855S02	2mL	1+2	1.08g	100mL	03/01/12 9:55	equip: Modblock1
15	AY55856	AY55856S02			1.08g	100mL	03/01/12 9:55	equip: Modblock1
16	AY55857	AY55857S02			1.13g	100mL	03/01/12 9:55	equip: Modblock1
17	AY55858	AY55858S02			1.14g	100mL	03/01/12 9:55	equip: Modblock1
18	AY55859	AY55859S02			1.14g	100mL	03/01/12 9:55	equip: Modblock1
19	AY55869	AY55869S02			1.17g	100mL	03/01/12 9:55	equip: Modblock1

Solvent and Lot#
1:1 HNO3 na
HNO3 J.T.B K47023 0145
H2O2 EMD na
HCL B.D.H. 4111060 0146

Sample COC Transfer	
Sample prep employee Initials	LO
Analyst's initials	SA
Date	3-1-12
Time	13:00
Moved to	Metals

Technician's Initials	
Scanned By	NM
Sample Preparation	NM
Digestion	NM
Bring up to volume	LO
Modified	03/01/12 5:18:02 PM

Reviewed By: SA **Date:** 3-1-12

MERCURY
EPA SW846
7470A and 7471A

APPL, INC.

MERCURY
EPA SW846
7470A and 7471A
Forms

APPL, INC.

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 7470A
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120301A-164393
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-WC01	AY55857
B4-WC02	AY55858
B4-WC03	AY55859

Comments: ARF: 67072

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

Signature: _____ Name: Diane Anderson

Date: 3-13-12 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 7471B
Lab Name: APPL, Inc
Base/Comnand: CSSA

AAB #: 120301A-164409
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-SW9	AY55846
B4-NT1-SW6	AY55847
B4-NT1-SW3	AY55848
B4-NT1-BOT03	AY55849
B4-NT1-SW8	AY55850
B4-NT1-BOT02	AY55851
B4-NT1-SW4	AY55852
B4-NT1-SW7	AY55853
B4-NT1-BOT01 FD	AY55854
B4-NT1-BOT01	AY55855
B4-NT1-SW5	AY55856
B4-WC01	AY55857
B4-WC02	AY55858
B4-WC03	AY55859
B4-NT1-SW6 FD	AY55869

Comments: ARF: 67072

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

Signature: _____ Name: Diane Anderson

Date: 3-13-12 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW9 Lab Sample ID: AY55846 Matrix: Soil
% Solids: 87.3 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.03	1	F

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 Lab Sample ID: AY55847 Matrix: Soil
% Solids: 83.2 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.05	1	F

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW3 Lab Sample ID: AY55848 Matrix: Soil
% Solids: 88.3 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.03	1	F

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT03 Lab Sample ID: AY55849 Matrix: Soil
% Solids: 89.4 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.53	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW8 Lab Sample ID: AY55850 Matrix: Soil
% Solids: 85.5 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.24	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT02 Lab Sample ID: AY55851 Matrix: Soil
% Solids: 95.8 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	1.51	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW4 Lab Sample ID: AY55852 Matrix: Soil
% Solids: 92.2 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.09	1	F

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW7 Lab Sample ID: AY55853 Matrix: Soil
% Solids: 87.7 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.07	1	F

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 FD Lab Sample ID: AY55854 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.34	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT01 Lab Sample ID: AY55855 Matrix: Soil
% Solids: 92.9 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.30	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW5 Lab Sample ID: AY55856 Matrix: Soil
% Solids: 92.8 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.93	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7470A Preparatory Method: 1311/7470A AAB #: 120301A-164393
Lab Name: APPL, Inc Contract #: *G012 hp 3-12-12
Field Sample ID: B4-WC01 Lab Sample ID: AY55857 Matrix: Soil
% Solids: NA Initial Calibration ID: 120301A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.0001	0.002	0.0001	1	U

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-WC01 Lab Sample ID: AY55857 Matrix: Soil
% Solids: 88.3 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	1.20	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7470A Preparatory Method: 1311/7470A AAB #: 120301A-164393
Lab Name: APPL, Inc Contract #: *G012 hp 3-12-12
Field Sample ID: B4-WC02 Lab Sample ID: AY55858 Matrix: Soil
% Solids: NA Initial Calibration ID: 120301A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.0001	0.002	0.0001	1	U

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-WC02 Lab Sample ID: AY55858 Matrix: Soil
% Solids: 87.4 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	1.46	1	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7470A Preparatory Method: 1311/7470A AAB #: 120301A-164393
Lab Name: APPL, Inc Contract #: *G012 mp3-12-12
Field Sample ID: B4-WC03 Lab Sample ID: AY55859 Matrix: Soil
% Solids: NA Initial Calibration ID: 120301A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 01-Mar-12
Concentration Units: mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.0001	0.002	0.0001	1	U

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-WC03 Lab Sample ID: AY55859 Matrix: Soil
% Solids: 87.8 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.05	0.5	2.90	5	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120301A-164409
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW6 FD Lab Sample ID: AY55869 Matrix: Soil
% Solids: 85.4 Initial Calibration ID: 120305A
Date Received: 28-Feb-12 Date Prepared: 01-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.08	1	F

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 3
MERCURY INITIAL MULTIPOINT CALIBRATION

Analytical Method: 7470A AAB #: 120301A-164393

Lab Name: APPL, Inc Contract #: *G012

Instrument ID: PE300 Date of Initial Calibration: 03/01/12

Initial Calibration ID: 120301A Concentration Units (mg/L or mg/kg): mg/L

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	r	Q
Mercury	0.0002	0.004	0.0005	0.008	0.001	0.015	0.002	0.030	0.005	0.074	0.010	0.147	0.99995	

r = correlation coefficient

Comments: _____

AFCEE FORM I-3A

AFCEE
INORGANIC ANALYSES DATA SHEET 3
MERCURY INITIAL MULTIPOINT CALIBRATION

Analytical Method: 7471 Gross Up
AAB #: 120301A-164409
Lab Name: APPL, Inc
Contract #: *G012
Instrument ID: PE300
Date of Initial Calibration: 05-Mar-12
Initial Calibration ID: 120305A
Concentration Units (mg/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	r	Q
Mercury	0.000208	0.004	0.000521	0.011	0.001042	0.020	0.002083	0.041	0.005208	0.100	0.99997	

r = correlation coefficient

Comments:

AFCEE FORM I-3A

AFCEE
INORGANIC ANALYSES DATA SHEET 3
MERCURY INITIAL MULTIPOINT CALIBRATION

Analytical Method: 7471 Gross Up

AAB #: 120301A-164409

Lab Name: APPL, Inc

Contract #: *G012

Instrument ID: PE300

Date of Initial Calibration: 05-Mar-12

Initial Calibration ID: 120305A

Concentration Units (mg/L or mg/kg): mg/kg

Analyte	Std 6	RF 6									r	Q
Mercury	0.01042	0.202									0.99997	

r = correlation coefficient

Comments:

APCEE FORM I-3A

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 7470A
AAB #: 120301A-164393
Lab Name: APPL, Inc.
Contract #: *G012
Instrument ID: PE300
Initial Calibration ID: 120301A
2nd Source ID: ICV 03/01/12 14:22
ICV ID: ICV 03/01/12 14:22
CCV #1 ID: CCV 03/01/12 14:25
CCV #2 ID: CCV 03/01/12 14:43

Concentration Units (mg/L or mg/kg): mg/L

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury (Hg)	0.00400	0.00427	6.6%	0.00400	0.00427	6.6%	0.00500	0.00505	1.0%	0.00524	4.7%	

Comments:

AFCEE FORM I-4 Page 1 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 7470A

AAB #: 120301A-164393

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: PE300

Initial Calibration ID: 120301A

2nd Source ID: ICV 03/01/12 14:22

ICV ID: ICV 03/01/12 14:22

CCV #1 ID: CCV 03/01/12 14:52

CCV #2 ID:

Concentration Units (mg/L or mg/kg): mg/L

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury (Hg)	0.00400	0.00427	6.6%	0.00400	0.00427	6.6%	0.00500	0.00518	3.6%			

Comments:

AFCEE FORM I-4 Page 2 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 7471 Gross Up

AAB #: 120301A-164409

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: PE300

Initial Calibration ID: 120305A

2nd Source ID: ICV 03/05/12 10:23

ICV ID: ICV 03/05/12 10:23

CCV #1 ID: CCV 03/05/12 10:30

CCV #2 ID: CCV 03/05/12 10:51

Concentration Units (mg/L or mg/kg): mg/kg

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury (Hg)	0.00417	0.00417	0.0%	0.00417	0.00417	0.0%	0.005208	0.00509	2.3%	0.00549	5.5%	

Comments:

AFCEE FORM 1-4 Page 1 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 7471 Gross Up
AAB #: 120301A-164409
Lab Name: APPL, Inc.
Contract #: *G012
Instrument ID: PE300
Initial Calibration ID: 120305A
2nd Source ID: ICV 03/05/12 10:23
ICV ID: ICV 03/05/12 10:23
CCV #1 ID: CCV 03/05/12 11:17
CCV #2 ID: CCV 03/05/12 11:23
Concentration Units (mg/L or mg/kg): mg/kg

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury (Hg)	0.00417	0.00417	0.0%	0.00417	0.00417	0.0%	0.005208	0.00564	8.3%	0.00536	2.9%	

Comments:

AFCEE FORM I-4 Page 2 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANK

Analytical Method: EPA 7470A
AAB #: 120301A-164393
Lab Name: APPL, Inc
Contract #: *G012
Concentration Units: mg/L
Method Blank ID: 120301A-BLK
Initial Calibration ID: 120301A

Analyte	Method Blank	RL	Q
MERCURY (HG)	< RL	0.002	U

Comments: ARF: 67072, Sample: AY55859

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 7470A AAB #: 120301A-164393

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg): mg/L

Initial Calibration Blank ID: ICB 03/01/12 14:24 Initial Calibration ID: 120301A

CCB #1 ID: CCB 03/01/12 14:27 CCB #2 ID: CCB 03/01/12 14:45 CCB #3 ID: CCB 03/01/12 14:54

Method Blank ID: 120301A-BLK Initial Calibration ID: 120301A

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Mercury (Hg)	<RL	<RL	<RL	<RL	<RL	0.002	

Comments:

AFCEE FORM I-5 Page 1 of 1

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANK

Analytical Method: EPA 7471B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: 120305A

AAB #: 120301A-164409
Contract #: *G012
Method Blank ID: 120301A-BLK

Analyte	Method Blank	RL	Q
MERCURY (HG)	< RL	0.1	U

Comments: ARF: 67072, Sample: AY55855

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 7471 Gross Up AAB #: 120301A-164409

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg): mg/kg

Initial Calibration Blank ID: ICB 03/05/12 10:26 Initial Calibration ID: 120305A

CCB #1 ID: CCB 03/05/12 10:33 CCB #2 ID: CCB 03/05/12 10:53 CCB #3 ID: CCB 03/05/12 11:19

Method Blank ID: 120301A-BLK Initial Calibration ID: 120305A

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Mercury (Hg)	<RL	<RL	<RL	<RL	<RL	0.1	

Comments:

AFCEE FORM I-5 Page 1 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 7471 Gross Up AAB #: 120301A-164409

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg): mg/kg

Initial Calibration Blank ID: ICB 03/05/12 10:26 Initial Calibration ID: 120305A

CCB #1 ID: CCB 03/05/12 11:25 CCB #2 ID: CCB #3 ID:

Method Blank ID: 120301A-BLK Initial Calibration ID: 120305A

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Mercury (Hg)	<RL	<RL			<RL	0.1	

Comments:

AFCEE FORM 1-5 Page 2 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 7470A
Lab Name: APPL, Inc
LCS ID: 120301A LCS
Concentration Units: mg/L

AAB #: 120301A-164393
Contract #: *G012
Initial Calibration ID: 120301A

Analyte	Expected	Found	% R	Control Limits	Q
MERCURY (HG)	0.0040	0.0039	97.5	85-115	

Comments: ARF: 67072, Sample: AY55859

AFCEE
INORGANIC ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 7471B
AAB #: 120301A-164409
Lab Name: APPL, Inc
Contract #: *G012
LCS ID: 120301A LCS
Initial Calibration ID: 120305A
Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
MERCURY (HG)	0.67	0.72	107	77-120	

Comments: ARF: 67072, Sample: AY55855

AFCEE
INORGANIC ANALYSES DATA SHEET 7
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: EPA 7471B

Lab Name: APPL, Inc

Contract #: *G012

Concentration Units: mg/kg

% Solids: 92.9

Parent Field Sample ID: B4-NT1-BOT01

MS ID: 120301-55855S MS

MSD ID: 120301-55855S MSD

A-AY 02 KWS 03/08/12

A-AY 02 KWS 03/08/12

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	% R	Duplicate Spiked Sample Result	% R	% RPD	Control Limits % R	Control Limits % RPD	Q
MERCURY (HG)	0.30	0.67	1.03	109	1.07	115	3.8	77-120	25	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: EPA 7470A AAB#: 120301A-164393

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
B4-WC01	27-Feb-12	28-Feb-12	01-Mar-12	28	3	
B4-WC02	27-Feb-12	28-Feb-12	01-Mar-12	28	3	
B4-WC03	27-Feb-12	28-Feb-12	01-Mar-12	28	3	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: EPA 7471B AAB#: 120301A-164409

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
B4-NT1-BOT01	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-NT1-BOT01 FD	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-NT1-BOT02	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-NT1-BOT03	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-NT1-SW3	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-NT1-SW4	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-NT1-SW5	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-NT1-SW6	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-NT1-SW6 FD	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-NT1-SW7	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-NT1-SW8	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-NT1-SW9	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-WC01	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-WC02	27-Feb-12	28-Feb-12	05-Mar-12	28	7	
B4-WC03	27-Feb-12	28-Feb-12	05-Mar-12	28	7	

Comments: ARF: 67072

AFCEE
INORGANIC ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 7470A ICAL ID: 120301A

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: PE300

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
Calib Blank	01-Mar-12	14:06	01-Mar-12	14:06
0.2	01-Mar-12	14:07	01-Mar-12	14:07
0.5	01-Mar-12	14:08	01-Mar-12	14:08
1	01-Mar-12	14:10	13-Jan-12	14:10
2	01-Mar-12	14:12	13-Jan-12	14:12
5	01-Mar-12	14:15	13-Jan-12	14:15
10	01-Mar-12	14:17	01-Mar-12	14:17
ICV	01-Mar-12	14:22	01-Mar-12	14:22
ICB	01-Mar-12	14:24	01-Mar-12	14:24
CCV	01-Mar-12	14:25	01-Mar-12	14:25
CCB	01-Mar-12	14:27	01-Mar-12	14:27
120301A BLK	01-Mar-12	14:29	01-Mar-12	14:29
120301A LCS	01-Mar-12	14:33	01-Mar-12	14:33
AY55857S01	01-Mar-12	14:41	01-Mar-12	14:41
AY55858S01	01-Mar-12	14:42	01-Mar-12	14:42
CCV	01-Mar-12	14:43	01-Mar-12	14:43
CCB	01-Mar-12	14:45	01-Mar-12	14:45
AY55859S01	01-Mar-12	14:47	01-Mar-12	14:47
CCV	01-Mar-12	14:52	01-Mar-12	14:52
CCB	01-Mar-12	14:54	01-Mar-12	14:54

Sample_ID	EL	Date	Time	Mean_SA	Units	Batch_ID	Wt	Dilu
Calib. Blank	Hg	03/01/12	14:06:18		µg/L			
0.2 03-01-12 NM	Hg	03/01/12	14:07:31		µg/L			
0.5	Hg	03/01/12	14:08:44		µg/L			
1	Hg	03/01/12	14:10:51		µg/L			
2	Hg	03/01/12	14:12:58		µg/L			
5	Hg	03/01/12	14:15:05		µg/L			
10	Hg	03/01/12	14:17:14		µg/L			
ICV 03-01-12 NM	Hg	03/01/12	14:22:01	4.265288	µg/L			
ICB 03-01-12 NM	Hg	03/01/12	14:24:08	0.041167	µg/L			
CCV 03-01-12 NM	Hg	03/01/12	14:25:23	5.048688	µg/L			
CCB 03-01-12 NM	Hg	03/01/12	14:27:31	0.038447	µg/L			
120301A BLK	Hg	03/01/12	14:28:44	0.043083	µg/L	120301A-7470A		
120301A BLK	Hg	03/01/12	14:29:57	0.032822	µg/L	120301A-7470TCLP		
120301A LCS	Hg	03/01/12	14:31:10	4.033948	µg/L	120301A-7470A		
120301A LCS	Hg	03/01/12	14:33:17	3.936059	µg/L	120301A-7470TCLP		
AY55891W01	Hg	03/01/12	14:35:23	0.057526	µg/L	120301A-7470A		
AY55891W01 DUP	Hg	03/01/12	14:36:36	0.029649	µg/L	120301A-7470A		
AY55891W01 MS	Hg	03/01/12	14:37:49	4.045692	µg/L	120301A-7470A		
AY55892W01	Hg	03/01/12	14:39:56	0.065046	µg/L	120301A-7470A		
AY55857S01	Hg	03/01/12	14:41:09	0.06857	µg/L	120301A-7470TCLP		
AY55858S01	Hg	03/01/12	14:42:22	0.106192	µg/L	120301A-7470TCLP		
CCV 03-01-12 NM	Hg	03/01/12	14:43:38	5.23643	µg/L			
CCB 03-01-12 NM	Hg	03/01/12	14:45:45	0.046173	µg/L			
AY55859S01	Hg	03/01/12	14:47:00	0.146658	µg/L	120301A-7470TCLP		
AY55859S01 MS	Hg	03/01/12	14:48:13	4.134227	µg/L	120301A-7470TCLP		
AY55859S01 MSD	Hg	03/01/12	14:50:22	4.151822	µg/L	120301A-7470TCLP		
CCV 03-01-12 NM	Hg	03/01/12	14:52:31	5.181727	µg/L			
CCB 03-01-12 NM	Hg	03/01/12	14:54:38	0.095849	µg/L			

R=0.99995

AFCEE
INORGANIC ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 7471B ICAL ID: 120305A

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: PE300

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
Calib Blank	05-Mar-12	10:08	05-Mar-12	10:08
0.208	05-Mar-12	10:09	05-Mar-12	10:09
0.520833	05-Mar-12	10:10	05-Mar-12	10:10
1.041667	05-Mar-12	10:12	05-Mar-12	10:12
2.083333	05-Mar-12	10:14	05-Mar-12	10:14
5.208	05-Mar-12	10:16	05-Mar-12	10:16
10.417	05-Mar-12	10:18	05-Mar-12	10:18
ICV	05-Mar-12	10:23	05-Mar-12	10:23
ICB	05-Mar-12	10:26	05-Mar-12	10:26
CCV	05-Mar-12	10:30	05-Mar-12	10:30
CCB	05-Mar-12	10:33	05-Mar-12	10:33
120301A-BLK	05-Mar-12	10:34	05-Mar-12	10:34
120301A-LCS	05-Mar-12	10:35	05-Mar-12	10:35
AY55846S02	05-Mar-12	10:37	05-Mar-12	10:37
AY55847S02	05-Mar-12	10:38	05-Mar-12	10:38
AY55848S02	05-Mar-12	10:39	05-Mar-12	10:39
AY55849S02	05-Mar-12	10:41	05-Mar-12	10:41
AY55850S02	05-Mar-12	10:43	05-Mar-12	10:43
AY55851S02	05-Mar-12	10:45	05-Mar-12	10:45
AY55852S02	05-Mar-12	10:47	05-Mar-12	10:47
AY55853S02	05-Mar-12	10:49	05-Mar-12	10:49
CCV	05-Mar-12	10:51	05-Mar-12	10:51
CCB	05-Mar-12	10:53	05-Mar-12	10:53
AY55854S02	05-Mar-12	10:57	05-Mar-12	10:57
AY55855S02	05-Mar-12	10:59	05-Mar-12	10:59
AY55855S02 MS	05-Mar-12	11:01	05-Mar-12	11:01
AY55855S02 MSD	05-Mar-12	11:03	05-Mar-12	11:03
AY55856S02	05-Mar-12	11:06	05-Mar-12	11:06
AY55857S02	05-Mar-12	11:08	05-Mar-12	11:08
AY55858S02	05-Mar-12	11:10	05-Mar-12	11:10
AY55859S02-1/5	05-Mar-12	11:12	05-Mar-12	11:12
AY55869S02	05-Mar-12	11:14	05-Mar-12	11:14
CCV	05-Mar-12	11:17	05-Mar-12	11:17
CCB	05-Mar-12	11:19	05-Mar-12	11:19
AY55849S02-1/5	05-Mar-12	11:21	05-Mar-12	11:21
CCV	05-Mar-12	11:23	05-Mar-12	11:23

CCB	05-Mar-12	11:25	05-Mar-12	11:25

Sample_ID	EL	Date	Time	Mean_SA	Units	Batch_ID	Wt	Dilu
Calib Blank	Hg	03/05/12	10:08:12		µg/L			
0.2083 03-01-12 LO	Hg	03/05/12	10:09:25		µg/L			
0.520833	Hg	03/05/12	10:10:38		µg/L			
1.041667	Hg	03/05/12	10:12:41		µg/L			
2.083333	Hg	03/05/12	10:14:43		µg/L			
5.208	Hg	03/05/12	10:16:46		µg/L			
10.417	Hg	03/05/12	10:18:49		µg/L			
ICV 03-01-12 LO	Hg	03/05/12	10:23:53	4.16831	µg/L			
ICB 03-01-12 LO	Hg	03/05/12	10:26:34	0.215869	µg/L			
CCV 03-01-12 LO	Hg	03/05/12	10:30:01	5.088997	µg/L			
CCB 03-01-12 LO	Hg	03/05/12	10:33:01	0.048038	µg/L			
120301A BLK	Hg	03/05/12	10:34:14	0.014378	mg/kg	120301A-7471GROSS	0.6	
120301A LCS	Hg	03/05/12	10:35:27	0.723271	mg/kg	120301A-7471GROSS	0.6	
AY55846S02	Hg	03/05/12	10:37:29	0.029659	mg/kg	120301A-7471GROSS	0.69	
AY55847S02	Hg	03/05/12	10:38:42	0.038569	mg/kg	120301A-7471GROSS	0.72	
AY55848S02	Hg	03/05/12	10:39:55	0.027405	mg/kg	120301A-7471GROSS	0.68	
AY55849S02	Hg	03/05/12	10:41:08	0.471988	mg/kg	120301A-7471GROSS	0.67	
AY55850S02	Hg	03/05/12	10:43:40	0.203841	mg/kg	120301A-7471GROSS	0.7	
AY55851S02	Hg	03/05/12	10:45:42	1.448188	mg/kg	120301A-7471GROSS	0.63	
AY55852S02	Hg	03/05/12	10:47:44	0.082542	mg/kg	120301A-7471GROSS	0.65	
AY55853S02	Hg	03/05/12	10:49:47	0.060867	mg/kg	120301A-7471GROSS	0.68	
CCV 03-01-12 LO	Hg	03/05/12	10:51:01	5.492005	µg/L			
CCB 03-01-12 LO	Hg	03/05/12	10:53:44	0.288966	µg/L			
AY55854S02	Hg	03/05/12	10:57:37	0.313818	mg/kg	120301A-7471GROSS	0.65	
AY55855S02	Hg	03/05/12	10:59:47	0.278477	mg/kg	120301A-7471GROSS	0.65	
AY55855S02 MS	Hg	03/05/12	11:01:51	0.961009	mg/kg	120301A-7471GROSS	0.65	
AY55855S02 MSD	Hg	03/05/12	11:03:56	0.990535	mg/kg	120301A-7471GROSS	0.65	
AY55856S02	Hg	03/05/12	11:06:01	0.860637	mg/kg	120301A-7471GROSS	0.65	
AY55857S02	Hg	03/05/12	11:08:03	1.055423	mg/kg	120301A-7471GROSS	0.68	
AY55858S02	Hg	03/05/12	11:10:04	1.274663	mg/kg	120301A-7471GROSS	0.69	
AY55859S02-1/5	Hg	03/05/12	11:12:05	2.546945	mg/kg	120301A-7471GROSS	0.68	5
AY55869S02	Hg	03/05/12	11:14:05	0.068582	mg/kg	120301A-7471GROSS	0.7	
~~AY55849S02-A~~	~~Hg~~	~~03/05/12~~	~~11:15:20~~	~~1.072779~~	~~mg/kg~~	~~120301A-7471GROSS~~	~~0.67~~	
CCV 03-01-12 LO	Hg	03/05/12	11:17:22	5.641633	µg/L			
CCB 03-01-12 LO	Hg	03/05/12	11:19:24	0.293978	µg/L			
AY55849S02-1/5	Hg	03/05/12	11:21:47	0.439084	mg/kg	120301A-7471GROSS	0.67	5
CCV 03-01-12 LO	Hg	03/05/12	11:23:50	5.358688	µg/L			
CCB 03-01-12 LO	Hg	03/05/12	11:25:52	0.050701	µg/L			

R=0.99997

A.P.P.L. INC.

9

CVAA SERIAL DILUTION

CLIENT SAMPLE NO.

AY555849

Lab Name: APPL, INC. Contract: PARSONS

Lab Code: $HGAFBS ARF No.: 67072 SAS No.: SDG No.: 67072

Matrix (soil/water): SOIL

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.47		0.44		7.0		

03/05/12 11:15 AY55849S02

03/05/12 11:21 AY55849S02-1/5

FORM IX - IN ILM02.0

MERCURY
EPA SW846
7470A and 7471A
Calibration Data

APPL, INC.

Parsons

Hg BY METHOD 7470A ARF 67072
QCG: 120301A-7470TCLP
ANALYSIS DATE: 03/01/12

R=0.99995

NAME	TRUE	RESULT	% RECOVERY
ICV	4.00ppb	4.265	106.6%
ICB	0ppb	0.041	
CCV-1	5.00ppb	5.049	101.0%
CCB-1	0ppb	0.038	
CCV-2	5.00ppb	5.236	104.7%
CCB-2	0ppb	0.046	
CCV-3	5.00ppb	5.182	103.6%
CCV-3	0ppb	0.096	

Parsons

Hg BY METHOD 7471B ARF#67072
QCG 120301A-7471GROSS
ANALYSIS DATE: 03/05/12

R=0.99997

NAME	TRUE	RESULT	% RECOVERY
ICV	4.17ppb	4.168	100.0%
ICB	0ppb	0.216	
CCV-1	5.208ppb	5.089	97.7%
CCB-1	0ppb	0.048	
CCV-2	5.208ppb	5.492	105.5%
CCB-2	0ppb	0.289	
CCV-3	5.208ppb	5.642	108.3%
CCB-3	0ppb	0.294	
CCV-4	5.208ppb	5.359	102.9%
CCB-4	0ppb	0.051	

```
==========================================================================================
Element: Hg     Seq. No.: 14        Date: 03/01/2012
Sample ID: Sample
------------------------------------------------------------------------------------------
Repl    SampleConc  StndConc  BlnkCorr       Time
 #      µg/L        µg/L       Signal
 1                              0.002       14:05:00
Auto-zero performed.

==========================================================================================
Element: Hg     Seq. No.: 15        Date: 03/01/2012
Sample ID: Calib. Blank
------------------------------------------------------------------------------------------
Repl    SampleConc  StndConc  BlnkCorr       Time
 #      µg/L        µg/L       Signal
 1                              0.000       14:06:07
 2                              0.000       14:06:13
 3                              0.000       14:06:18
Mean:                           0.000
SD  :                           0.000
%RSD:                         199.78
Auto-zero performed.

==========================================================================================
Element: Hg     Seq. No.: 16        Date: 03/01/2012
Sample ID: 0.2  03-01-12 NM
------------------------------------------------------------------------------------------
Repl    SampleConc  StndConc  BlnkCorr       Time
 #      µg/L        µg/L       Signal
 1                              0.003       14:07:20
 2                              0.004       14:07:26
 3                              0.004       14:07:31
Mean:                           0.004
SD  :                           0.000
%RSD:                           5.42
Standard number 1 applied. [0.2]
Correlation Coefficient:  1.0000                Slope: 0.0175

==========================================================================================
Element: Hg     Seq. No.: 17        Date: 03/01/2012
Sample ID: 0.5
------------------------------------------------------------------------------------------
Repl    SampleConc  StndConc  BlnkCorr       Time
 #      µg/L        µg/L       Signal
 1                              0.008       14:08:33
 2                              0.008       14:08:39
 3                              0.008       14:08:44
Mean:                           0.008
SD  :                           0.000
%RSD:                           2.43
Standard number 2 applied. [0.5]
Correlation Coefficient:  0.9987                Slope: 0.0167
An extra autosampler wash has been performed.
```

Element: Hg Seq. No.: 18 Date: 03/01/2012
Sample ID: 1.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.015	14:10:40
2			0.015	14:10:45
3			0.015	14:10:51
Mean:			0.015	
SD :			0.000	
%RSD:			1.40	

Standard number 3 applied. [1.0]
Correlation Coefficient: 0.9954 Slope: 0.0154
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 19 Date: 03/01/2012
Sample ID: 2.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.029	14:12:47
2			0.030	14:12:52
3			0.031	14:12:58
Mean:			0.030	
SD :			0.001	
%RSD:			3.87	

Standard number 4 applied. [2.0]
Correlation Coefficient: 0.9990 Slope: 0.0151
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 20 Date: 03/01/2012
Sample ID: 5.0

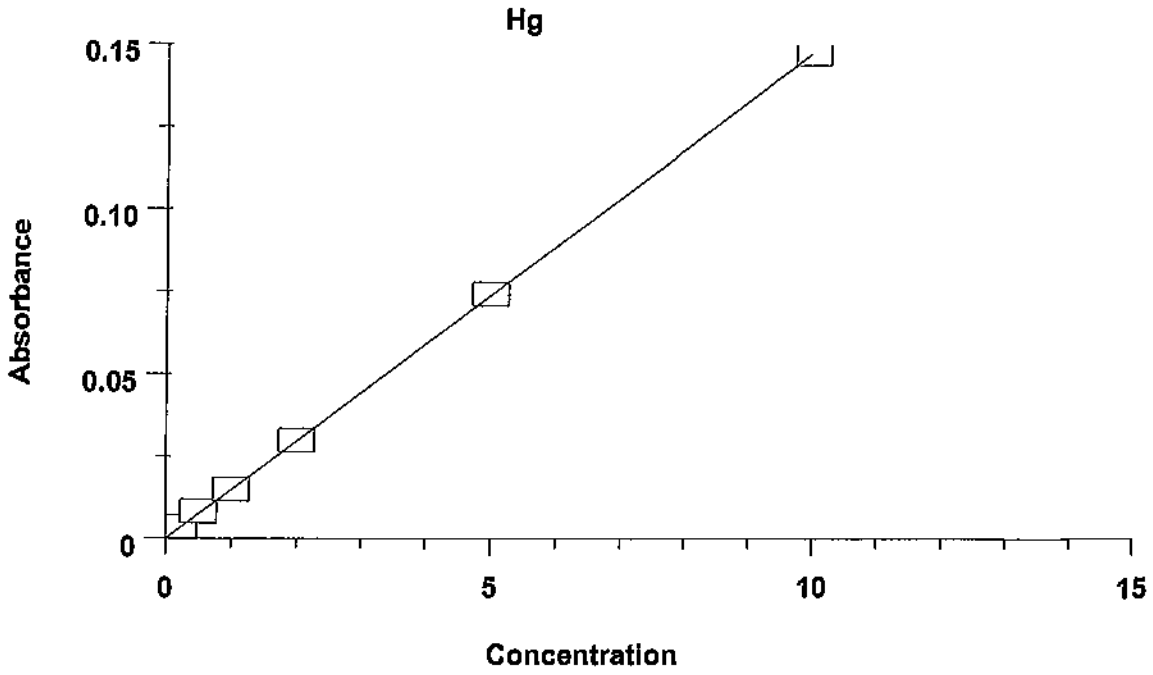
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.072	14:14:55
2			0.074	14:15:00
3			0.077	14:15:05
Mean:			0.074	
SD :			0.003	
%RSD:			3.63	

Standard number 5 applied. [5.0]
Correlation Coefficient: 0.9999 Slope: 0.0149
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 21 Date: 03/01/2012
Sample ID: 10.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.141	14:17:03
2			0.149	14:17:08
3			0.153	14:17:14
Mean:			0.147	
SD :			0.006	
%RSD:			3.96	

The calibration curve may not be linear.
Standard number 6 applied. [10.0]
Correlation Coefficient: 1.0000 Slope: 0.0148



Calibration data for Hg

Standard ID	Mean Signal (Absorbance)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib. Blank	0.000	----	0.000	0.000077	
0.2 03-01-12 NM	0.004	0.2	0.2371	0.000190	5.423821
0.5	0.008	0.5	0.5601	0.000201	2.427843
1.0	0.015	1.0	1.012	0.000209	1.396262
2.0	0.030	2.0	2.023	0.001158	3.873132
5.0	0.074	5.0	5.028	0.002695	3.626343
10.0	0.147	10.0	9.976	0.005839	3.959377

Correlation Coefficient: 0.99995 Slope: 0.01478

Method Name: Hg-7471 - KWS Element: Hg

Date: 03/05/2012
Results Data Set: 120301AA-7471A

Element: Hg Seq. No.: 71 Date: 03/05/2012
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.331	10:06:49

Auto-zero performed.

Element: Hg Seq. No.: 72 Date: 03/05/2012
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.000	10:06:56

Auto-zero performed.

Element: Hg Seq. No.: 73 Date: 03/05/2012
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.000	10:08:01
2			0.001	10:08:06
3			0.000	10:08:12
Mean:			0.000	
SD :			0.000	
%RSD:			258.30	

Auto-zero performed.

Element: Hg Seq. No.: 74 Date: 03/05/2012
Sample ID: 0.2083 03-01-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.004	10:09:15
2			0.004	10:09:20
3			0.004	10:09:25
Mean:			0.004	
SD :			0.000	
%RSD:			5.40	

Standard number 1 applied. [0.2083333]
Correlation Coefficient: 1.0000 Slope: 0.0201

Element: Hg Seq. No.: 75 Date: 03/05/2012
Sample ID: 0.520833

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.010	10:10:28
2			0.011	10:10:33
3			0.011	10:10:38
Mean:			0.011	
SD :			0.000	
%RSD:			3.92	

Standard number 2 applied. [0.520833]
Correlation Coefficient: 1.0000 Slope: 0.0203
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 76 Date: 03/05/2012
Sample ID: 1.041667

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.020	10:12:30
2			0.020	10:12:36
3			0.021	10:12:41
Mean:			0.020	
SD :			0.001	
%RSD:			2.89	

Standard number 3 applied. [1.041667]
Correlation Coefficient: 0.9994 Slope: 0.0197
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 77 Date: 03/05/2012
Sample ID: 2.083333

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.040	10:14:32
2			0.041	10:14:38
3			0.042	10:14:43
Mean:			0.041	
SD :			0.001	
%RSD:			2.35	

Standard number 4 applied. [2.083333]
Correlation Coefficient: 0.9999 Slope: 0.0195
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 78 Date: 03/05/2012
Sample ID: 5.208

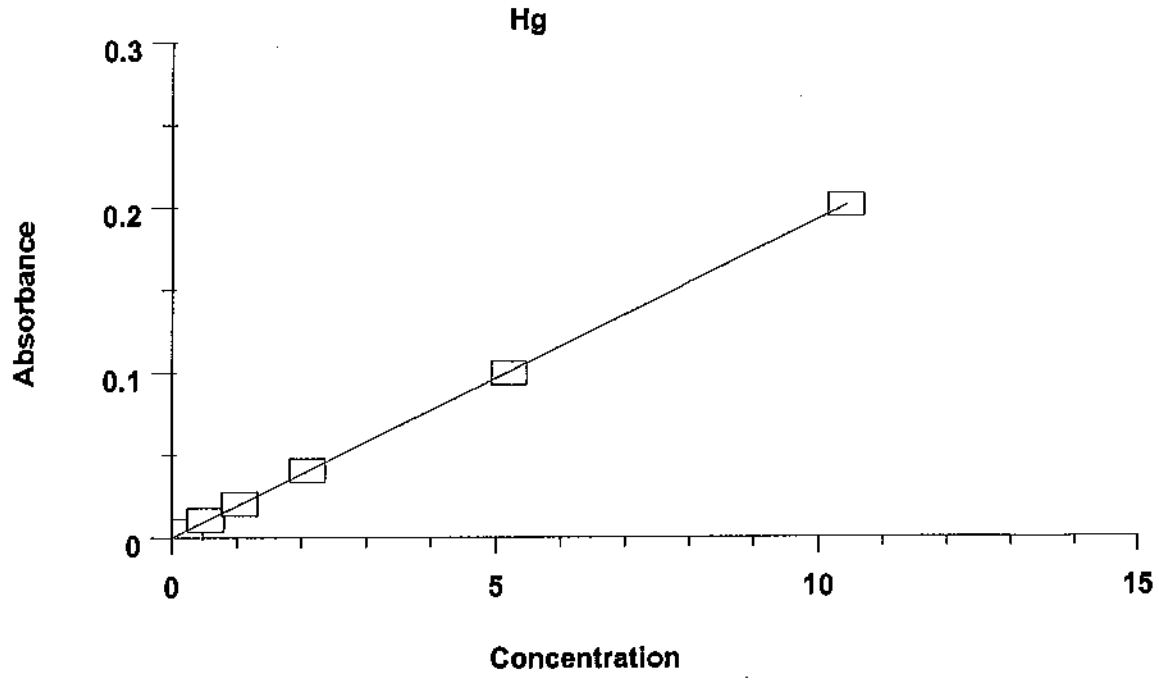
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.097	10:16:35
2			0.100	10:16:40
3			0.102	10:16:46
Mean:			0.100	
SD :			0.003	
%RSD:			2.70	

Standard number 5 applied. [5.208]
Correlation Coefficient: 0.9999 Slope: 0.0192
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 79 Date: 03/05/2012
Sample ID: 10.417

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.196	10:18:38
2			0.203	10:18:44
3			0.207	10:18:49
Mean:			0.202	
SD :			0.006	
%RSD:			2.84	

Standard number 6 applied. [10.417]
Correlation Coefficient: 1.0000 Slope: 0.0193



Calibration data for Hg

Standard ID	Mean Signal (Absorbance)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	----	0.000	0.000437	
0.2083 03-01-12 LO	0.004	0.2083333	0.2172	0.000226	5.395408
0.520833	0.011	0.520833	0.5475	0.000415	3.918925
1.041667	0.020	1.041667	1.049	0.000585	2.885956
2.083333	0.041	2.083333	2.104	0.000957	2.352540
5.208	0.100	5.208	5.158	0.002694	2.702820
10.417	0.202	10.417	10.44	0.005726	2.839507

Correlation Coefficient: 0.99997 Slope: 0.01933

MERCURY
EPA SW846
7470A and 7471A
Raw Data

APPL, INC.

Element: Hg Seq. No.: 22 Date: 03/01/2012
Sample ID: ICV 03-01-12 NM

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	4.114	4.114	0.061	14:21:50
2	4.280	4.280	0.063	14:21:55
3	4.401	4.401	0.065	14:22:01
Mean:	4.265	4.265	0.063	
SD :	0.1444	0.1444	0.002	
%RSD:	3.38	3.38	3.38	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 23 Date: 03/01/2012
Sample ID: ICB 03-01-12 NM

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.02221	0.02221	0.000	14:23:58
2	0.06536	0.06536	0.001	14:24:03
3	0.03593	0.03593	0.001	14:24:08
Mean:	0.04117	0.04117	0.001	
SD :	0.02204	0.02204	0.000	
%RSD:	53.55	53.55	53.55	

QC value within specified limits.

Element: Hg Seq. No.: 24 Date: 03/01/2012
Sample ID: CCV 03-01-12 NM

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	4.818	4.818	0.071	14:25:13
2	5.089	5.089	0.075	14:25:18
3	5.239	5.239	0.077	14:25:23
Mean:	5.049	5.049	0.075	
SD :	0.2134	0.2134	0.003	
%RSD:	4.23	4.23	4.23	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 25 Date: 03/01/2012
Sample ID: CCB 03-01-12 NM

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.06301	0.06301	0.001	14:27:20
2	0.02901	0.02901	0.000	14:27:25
3	0.02332	0.02332	0.000	14:27:31
Mean:	0.03845	0.03845	0.001	
SD :	0.02146	0.02146	0.000	
%RSD:	55.81	55.81	55.81	

QC value within specified limits.

Element: Hg Seq. No.: 26 Date: 03/01/2012
Sample ID: 120301A BLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.04916	0.04916	0.001	14:28:34
2	0.02716	0.02716	0.000	14:28:39
3	0.05293	0.05293	0.001	14:28:44
Mean:	0.04308	0.04308	0.001	
SD :	0.01392	0.01392	0.000	
%RSD:	32.31	32.31	32.31	

Element: Hg Seq. No.: 27 Date: 03/01/2012
Sample ID: 120301A BLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.03328	0.03328	0.000	14:29:47
2	0.02116	0.02116	0.000	14:29:52
3	0.04403	0.04403	0.001	14:29:57
Mean:	0.03282	0.03282	0.000	
SD :	0.01144	0.01144	0.000	
%RSD:	34.86	34.86	34.86	

Element: Hg Seq. No.: 28 Date: 03/01/2012
Sample ID: 120301A LCS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	3.886	3.886	0.057	14:31:00
2	4.068	4.068	0.060	14:31:05
3	4.148	4.148	0.061	14:31:10
Mean:	4.034	4.034	0.060	
SD :	0.1342	0.1342	0.002	
%RSD:	3.33	3.33	3.33	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 29 Date: 03/01/2012
Sample ID: 120301A LCS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	3.770	3.770	0.056	14:33:06
2	3.950	3.950	0.058	14:33:11
3	4.088	4.088	0.060	14:33:17
Mean:	3.936	3.936	0.058	
SD :	0.1595	0.1595	0.002	
%RSD:	4.05	4.05	4.05	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 30 Date: 03/01/2012
Sample ID: AY55891W01

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.06814	0.06814	0.001	14:35:12
2	0.05472	0.05472	0.001	14:35:17
3	0.04972	0.04972	0.001	14:35:23
Mean:	0.05753	0.05753	0.001	
SD :	0.009524	0.009524	0.000	
%RSD:	16.56	16.56	16.56	

Element: Hg Seq. No.: 31 Date: 03/01/2012
Sample ID: AY55891W01 DUP

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.04860	0.04860	0.001	14:36:25
2	0.02450	0.02450	0.000	14:36:31
3	0.01584	0.01584	0.000	14:36:36
Mean:	0.02965	0.02965	0.000	
SD :	0.01698	0.01698	0.000	
%RSD:	57.26	57.26	57.26	

Element: Hg Seq. No.: 32 Date: 03/01/2012
Sample ID: AY55891W01 MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	3.899	3.899	0.058	14:37:38
2	4.067	4.067	0.060	14:37:44
3	4.171	4.171	0.062	14:37:49
Mean:	4.046	4.046	0.060	
SD :	0.1370	0.1370	0.002	
%RSD:	3.39	3.39	3.39	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 33 Date: 03/01/2012
Sample ID: AY55892W01

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.08983	0.08983	0.001	14:39:45
2	0.06529	0.06529	0.001	14:39:51
3	0.04001	0.04001	0.001	14:39:56
Mean:	0.06505	0.06505	0.001	
SD :	0.02491	0.02491	0.000	
%RSD:	38.30	38.30	38.30	

Element: Hg Seq. No.: 34 Date: 03/01/2012
Sample ID: AY55857S01

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.06128	0.06128	0.001	14:40:59
2	0.06517	0.06517	0.001	14:41:04
3	0.07926	0.07926	0.001	14:41:09
Mean:	0.06857	0.06857	0.001	
SD :	0.009463	0.009463	0.000	
%RSD:	13.80	13.80	13.80	

Element: Hg Seq. No.: 35 Date: 03/01/2012
Sample ID: AY55858S01

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.1204	0.1204	0.002	14:42:12
2	0.1150	0.1150	0.002	14:42:17
3	0.08316	0.08316	0.001	14:42:22
Mean:	0.1062	0.1062	0.002	
SD :	0.02013	0.02013	0.000	
%RSD:	18.96	18.96	18.96	

Element: Hg Seq. No.: 36 Date: 03/01/2012
Sample ID: CCV 03-01-12 NM

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.068	5.068	0.075	14:43:27
2	5.272	5.272	0.078	14:43:33
3	5.369	5.369	0.079	14:43:38
Mean:	5.236	5.236	0.077	
SD :	0.1536	0.1536	0.002	
%RSD:	2.93	2.93	2.93	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 37 Date: 03/01/2012
Sample ID: CCB 03-01-12 NM

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.03470	0.03470	0.001	14:45:35
2	0.05176	0.05176	0.001	14:45:40
3	0.05207	0.05207	0.001	14:45:45
Mean:	0.04617	0.04617	0.001	
SD :	0.009940	0.009940	0.000	
%RSD:	21.53	21.53	21.53	

QC value within specified limits.

Element: Hg Seq. No.: 38 Date: 03/01/2012
Sample ID: AY55859S01

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.1505	0.1505	0.002	14:46:50
2	0.1310	0.1310	0.002	14:46:55
3	0.1584	0.1584	0.002	14:47:00
Mean:	0.1467	0.1467	0.002	
SD :	0.01413	0.01413	0.000	
%RSD:	9.63	9.63	9.63	

Element: Hg Seq. No.: 39 Date: 03/01/2012
Sample ID: AY55859S01 MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	3.969	3.969	0.059	14:48:03
2	4.178	4.178	0.062	14:48:08
3	4.255	4.255	0.063	14:48:13
Mean:	4.134	4.134	0.061	
SD :	0.1477	0.1477	0.002	
%RSD:	3.57	3.57	3.57	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 40 Date: 03/01/2012
Sample ID: AY55859S01 MSD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	3.973	3.973	0.059	14:50:11
2	4.188	4.188	0.062	14:50:17
3	4.294	4.294	0.063	14:50:22
Mean:	4.152	4.152	0.061	
SD :	0.1637	0.1637	0.002	
%RSD:	3.94	3.94	3.94	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 41 Date: 03/01/2012
Sample ID: CCV 03-01-12 NM

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	4.953	4.953	0.073	14:52:20
2	5.235	5.235	0.077	14:52:26
3	5.357	5.357	0.079	14:52:31
Mean:	5.182	5.182	0.077	
SD :	0.2070	0.2070	0.003	
%RSD:	3.99	3.99	3.99	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 42 Date: 03/01/2012
Sample ID: CCB 03-01-12 NM

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.09781	0.09781	0.001	14:54:28
2	0.1083	0.1083	0.002	14:54:33
3	0.08143	0.08143	0.001	14:54:38
Mean:	0.09585	0.09585	0.001	
SD :	0.01355	0.01355	0.000	
%RSD:	14.14	14.14	14.14	

QC value within specified limits.

Element: Hg Seq. No.: 80 Date: 03/05/2012
Sample ID: ICV 03-01-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	4.023	4.023	0.078	10:23:42
2	4.210	4.210	0.081	10:23:47
3	4.272	4.272	0.083	10:23:53
Mean:	4.168	4.168	0.081	
SD :	0.1297	0.1297	0.003	
%RSD:	3.11	3.11	3.11	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 81 Date: 03/05/2012
Sample ID: ICB 03-01-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.2137	0.2137	0.004	10:26:24
2	0.2204	0.2204	0.004	10:26:29
3	0.2135	0.2135	0.004	10:26:34
Mean:	0.2159	0.2159	0.004	
SD :	0.003933	0.003933	0.000	
%RSD:	1.82	1.82	1.82	

QC out of limits. An alarm was sounded and the system waits for operator action.

Element: Hg Seq. No.: 82 Date: 03/05/2012
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.1964	0.1964	0.004	10:28:16

Auto-zero performed.

Method Name: Hg-7471 - KWS Element: Hg

Date: 03/05/2012
Results Data Set: 120301AA-7471A

Element: Hg Seq. No.: 83 Date: 03/05/2012
Sample ID: CCV 03-01-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	4.918	4.918	0.095	10:29:50
2	5.117	5.117	0.099	10:29:56
3	5.232	5.232	0.101	10:30:01
Mean:	5.089	5.089	0.098	
SD :	0.1590	0.1590	0.003	
%RSD:	3.12	3.12	3.12	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 84 Date: 03/05/2012
Sample ID: CCB 03-01-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.05418	0.05418	0.001	10:32:50
2	0.04213	0.04213	0.001	10:32:55
3	0.04780	0.04780	0.001	10:33:01
Mean:	0.04804	0.04804	0.001	
SD :	0.006032	0.006032	0.000	
%RSD:	12.56	12.56	12.56	

QC value within specified limits.

Element: Hg Seq. No.: 85 Date: 03/05/2012
Sample ID: 120301A BLK

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.01465	0.09154	0.002	10:34:03
2	0.01384	0.08652	0.002	10:34:09
3	0.01465	0.09154	0.002	10:34:14
Mean:	0.01438	0.08987	0.002	
SD :	0.000463	0.002894	0.000	
%RSD:	3.22	3.22	3.22	

Element: Hg Seq. No.: 86 Date: 03/05/2012
Sample ID: 120301A LCS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.7032	4.395	0.085	10:35:16
2	0.7313	4.570	0.088	10:35:22
3	0.7354	4.596	0.089	10:35:27
Mean:	0.7233	4.520	0.087	
SD :	0.01752	0.1095	0.002	
%RSD:	2.42	2.42	2.42	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 87 Date: 03/05/2012
Sample ID: AY55846S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.02647	0.1903	0.004	10:37:18
2	0.03068	0.2205	0.004	10:37:24
3	0.03183	0.2287	0.004	10:37:29
Mean:	0.02966	0.2132	0.004	
SD :	0.002820	0.02027	0.000	
%RSD:	9.51	9.51	9.51	

Element: Hg Seq. No.: 88 Date: 03/05/2012
Sample ID: AY55847S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.03714	0.2786	0.005	10:38:32
2	0.03975	0.2981	0.006	10:38:37
3	0.03881	0.2911	0.006	10:38:42
Mean:	0.03857	0.2893	0.006	
SD :	0.001319	0.009893	0.000	
%RSD:	3.42	3.42	3.42	

Element: Hg Seq. No.: 89 Date: 03/05/2012
Sample ID: AY55848S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.02565	0.1817	0.004	10:39:45
2	0.02767	0.1960	0.004	10:39:50
3	0.02890	0.2047	0.004	10:39:55
Mean:	0.02741	0.1941	0.004	
SD :	0.001642	0.01163	0.000	
%RSD:	5.99	5.99	5.99	

Element: Hg Seq. No.: 90 Date: 03/05/2012
Sample ID: AY55849S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.4588	3.202	0.062	10:40:58
2	0.4740	3.308	0.064	10:41:03
3	0.4832	3.372	0.065	10:41:08
Mean:	0.4720	3.294	0.064	
SD :	0.01234	0.08610	0.002	
%RSD:	2.61	2.61	2.61	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 91 Date: 03/05/2012
Sample ID: AY55850S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.1966	1.433	0.028	10:43:29
2	0.2070	1.510	0.029	10:43:34
3	0.2079	1.516	0.029	10:43:40
Mean:	0.2038	1.486	0.029	
SD :	0.006307	0.04599	0.001	
%RSD:	3.09	3.09	3.09	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 92 Date: 03/05/2012
Sample ID: AY55851S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	1.404	9.211	0.178	10:45:31
2	1.457	9.561	0.185	10:45:37
3	1.484	9.739	0.188	10:45:42
Mean:	1.448	9.504	0.184	
SD :	0.04097	0.2689	0.005	
%RSD:	2.83	2.83	2.83	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 93 Date: 03/05/2012
Sample ID: AY55852S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.08188	0.5544	0.011	10:47:34
2	0.08100	0.5485	0.011	10:47:39
3	0.08475	0.5738	0.011	10:47:44
Mean:	0.08254	0.5589	0.011	
SD :	0.001958	0.01326	0.000	
%RSD:	2.37	2.37	2.37	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 94 Date: 03/05/2012
Sample ID: AY55853S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.05980	0.4236	0.008	10:49:37
2	0.06079	0.4306	0.008	10:49:42
3	0.06201	0.4392	0.008	10:49:47
Mean:	0.06087	0.4311	0.008	
SD :	0.001107	0.007840	0.000	
%RSD:	1.82	1.82	1.82	

Element: Hg Seq. No.: 95 Date: 03/05/2012
Sample ID: CCV 03-01-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.339	5.339	0.103	10:50:50
2	5.509	5.509	0.106	10:50:56
3	5.628	5.628	0.109	10:51:01
Mean:	5.492	5.492	0.106	
SD :	0.1455	0.1455	0.003	
%RSD:	2.65	2.65	2.65	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 96 Date: 03/05/2012
Sample ID: CCB 03-01-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.2925	0.2925	0.006	10:53:33
2	0.2748	0.2748	0.005	10:53:38
3	0.2996	0.2996	0.006	10:53:44
Mean:	0.2890	0.2890	0.006	
SD :	0.01278	0.01278	0.000	
%RSD:	4.42	4.42	4.42	

QC out of limits. QC will be repeated based on Retry setting.

Element: Hg Seq. No.: 97 Date: 03/05/2012
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.2682	0.2682	0.005	10:55:53

Auto-zero performed.

Method Name: Hg-7471 - KWS Element: Hg

Date: 03/05/2012
Results Data Set: 120301AA-7471A

Element: Hg Seq. No.: 98 Date: 03/05/2012
Sample ID: AY55854S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.3053	2.067	0.040	10:57:26
2	0.3148	2.131	0.041	10:57:32
3	0.3214	2.176	0.042	10:57:37
Mean:	0.3138	2.125	0.041	
SD :	0.008056	0.05454	0.001	
%RSD:	2.57	2.57	2.57	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 99 Date: 03/05/2012
Sample ID: AY55855S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.2740	1.855	0.036	10:59:36
2	0.2793	1.891	0.037	10:59:42
3	0.2822	1.911	0.037	10:59:47
Mean:	0.2785	1.886	0.036	
SD :	0.004152	0.02811	0.001	
%RSD:	1.49	1.49	1.49	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 100 Date: 03/05/2012
Sample ID: AY55855S02 MS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.9291	6.291	0.122	11:01:41
2	0.9661	6.541	0.126	11:01:46
3	0.9879	6.689	0.129	11:01:51
Mean:	0.9610	6.507	0.126	
SD :	0.02973	0.2013	0.004	
%RSD:	3.09	3.09	3.09	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 101 Date: 03/05/2012
Sample ID: AY55855S02 MSD

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.9624	6.516	0.126	11:03:45
2	0.9943	6.732	0.130	11:03:50
3	1.015	6.872	0.133	11:03:56
Mean:	0.9905	6.707	0.130	
SD :	0.02645	0.1791	0.003	
%RSD:	2.67	2.67	2.67	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 102 Date: 03/05/2012
Sample ID: AY55856S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.8326	5.637	0.109	11:05:50
2	0.8660	5.864	0.113	11:05:55
3	0.8833	5.981	0.116	11:06:01
Mean:	0.8606	5.827	0.113	
SD :	0.02578	0.1746	0.003	
%RSD:	3.00	3.00	3.00	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 103 Date: 03/05/2012
Sample ID: AY55857S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	1.026	7.268	0.140	11:07:53
2	1.060	7.512	0.145	11:07:58
3	1.080	7.648	0.148	11:08:03
Mean:	1.055	7.476	0.144	
SD :	0.02720	0.1927	0.004	
%RSD:	2.58	2.58	2.58	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 104 Date: 03/05/2012
Sample ID: AY55858S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	1.238	8.899	0.172	11:09:53
2	1.283	9.220	0.178	11:09:58
3	1.303	9.366	0.181	11:10:04
Mean:	1.275	9.162	0.177	
SD :	0.03325	0.2390	0.005	
%RSD:	2.61	2.61	2.61	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 105 Date: 03/05/2012
Sample ID: AY55859S02-1/5

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	2.458	3.482	0.067	11:11:54
2	2.563	3.631	0.070	11:11:59
3	2.620	3.711	0.072	11:12:05
Mean:	2.547	3.608	0.070	
SD :	0.08197	0.1161	0.002	
%RSD:	3.22	3.22	3.22	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 106 Date: 03/05/2012
Sample ID: AY55869S02

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.07013	0.5114	0.010	11:13:55
2	0.06743	0.4917	0.010	11:14:00
3	0.06818	0.4972	0.010	11:14:05
Mean:	0.06858	0.5001	0.010	
SD :	0.001396	0.01018	0.000	
%RSD:	2.03	2.03	2.03	

Element: Hg Seq. No.: 107 Date: 03/05/2012
Sample ID: AY55849S02-A

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	1.049	7.321	0.141	11:15:09
2	1.076	7.511	0.145	11:15:14
3	1.093	7.629	0.147	11:15:20
Mean:	1.073	7.487	0.145	
SD :	0.02229	0.1555	0.003	
%RSD:	2.08	2.08	2.08	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 108 Date: 03/05/2012
Sample ID: CCV 03-01-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.482	5.482	0.106	11:17:11
2	5.660	5.660	0.109	11:17:17
3	5.784	5.784	0.112	11:17:22
Mean:	5.642	5.642	0.109	
SD :	0.1519	0.1519	0.003	
%RSD:	2.69	2.69	2.69	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 109 Date: 03/05/2012
Sample ID: CCB 03-01-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.3092	0.3092	0.006	11:19:14
2	0.2952	0.2952	0.006	11:19:19
3	0.2775	0.2775	0.005	11:19:24
Mean:	0.2940	0.2940	0.006	
SD :	0.01587	0.01587	0.000	
%RSD:	5.40	5.40	5.40	

QC out of limits. QC will be repeated based on Retry setting.

Element: Hg Seq. No.: 110 Date: 03/05/2012
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.2652	0.2652	0.005	11:20:29

Auto-zero performed.

Element: Hg Seq. No.: 111 Date: 03/05/2012
Sample ID: AY55849B02-1/5

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.4164	0.5813	0.011	11:21:37
2	0.4294	0.5993	0.012	11:21:42
3	0.4714	0.6581	0.013	11:21:47
Mean:	0.4391	0.6129	0.012	
SD :	0.02876	0.04015	0.001	
%RSD:	6.55	6.55	6.55	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 112 Date: 03/05/2012
Sample ID: CCV 03-01-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.228	5.228	0.101	11:23:39
2	5.371	5.371	0.104	11:23:44
3	5.477	5.477	0.106	11:23:50
Mean:	5.359	5.359	0.104	
SD :	0.1246	0.1246	0.002	
%RSD:	2.32	2.32	2.32	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 113 Date: 03/05/2012
Sample ID: CCB 03-01-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.05863	0.05863	0.001	11:25:41
2	0.03726	0.03726	0.001	11:25:47
3	0.05622	0.05622	0.001	11:25:52
Mean:	0.05070	0.05070	0.001	
SD :	0.01170	0.01170	0.000	
%RSD:	23.09	23.09	23.09	

QC value within specified limits.

_M7470TCL

Mercury Digestion Worksheet

Method Name 7470 Mercury Digestion (TCLP) **Prep Method** M7470TCLP **Set** 120301A **Units** mL

Spikes	
Spiked ID 1	Hg WORKING STANDARD prep 3-1-12
Spiked ID 2	Hg WORKING ICV prep 3-1-12
Spiked ID 3	
Spiked ID 4	
Spiked By	NM Date: 03/01/12 9:25:00 AM
Witnessed By	RJS Date: 03/01/12 9:25:00 AM

Mercury Calibration			
Sample	Spike Amount	Spike ID	Final Volume
0 ppb		1	144.5 ml
0.2 ppb	0.4 ml	1	144.5 ml
0.5 ppb	1 ml	1	144.5 ml
1 ppb	2 ml	1	144.5 ml
2 ppb	4 ml	1	144.5 ml
5 ppb	10 ml	1	144.5 ml
5 ppb	10 ml	1	144.5 ml
10 ppb	20 ml	1	144.5 ml
ICV	8 ml	2	144.5 ml

Start Date/Time of Calibration 03/01/12 9:25

Sufficient Vol for Matrix QC:	Yes

Starting Temp:	95 c
Ending Temp:	95 c
Temp Type:	Modblock1 Tumble Start Time 2-28-12 @ 15:00
End Date/Time	03/01/12 11:30:00 AM

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	120301A Blk				50mL	72.25mL	03/01/12 9:25	equip: Modblock1 Tumble Start Time 2-28-12 @ 15:00
2	120301A LCS		4mL	1	50mL	72.25mL	03/01/12 9:25	equip: Modblock1 Tumble End Time 2-29-12 @ 0900
3	AY55857	AY55857S01			50mL	72.25mL	03/01/12 9:25	equip: Modblock1 Fluid # 2
4	AY55858	AY55858S01			50mL	72.25mL	03/01/12 9:25	equip: Modblock1
5	AY55859	AY55859S01			50mL	72.25mL	03/01/12 9:25	equip: Modblock1
6	AY55859 MS	AY55859S01	4mL	1	50mL	72.25mL	03/01/12 9:25	equip: Modblock1
7	AY55859 MSD	AY55859S01	4mL	1	50mL	72.25mL	03/01/12 9:25	equip: Modblock1

Solvent and Lot#
HNO3 J.T.B K47023 0145
H2SO4 JTB J32024 0112
KMnO4 1-11-12
K2S2O8 1-30-12
Decolorizer 2-9-12

Sample COC Transfer	
Sample prep employee Initials	nm
Analyst's initials	SA
Date	3-1-12
Time	11:30
Moved to	METALS

Technician's Initials	
Scanned By	nm
Sample Preparation	nm
Digestion	lo
Bring up to volume	lo
Modified	03/01/12 9:05:14 AM

Reviewed By: SA **Date:** 3-1-12

_M7471GRO

Mercury Digestion Worksheet

Method Name 7471A Mercury Digestion (GROSS UP **Prep Method** M7471GRO **Set** 120301A **Units** mL

Spikes	
Spiked ID 1	Hg WORKING STANDARD prep 03-01-12
Spiked ID 2	Hg WORKING ICV prep 03-01-12
Spiked ID 3	
Spiked ID 4	
Spiked By	LO Date: 03/01/12 10:00:00 AM
Witnessed By	NM Date: 03/01/12 10:00:00 AM

Starting Temp:	95 C
Ending Temp:	95 C
Temp Type:	Modblock1
End Date/Time	03/01/12 10:40:00 AM

Mercury Calibration			
Sample	Spike Amount	Spike ID	Final Volume
0 ppb		1	96 ml
0.2 ppb	0.4 ml	1	96 ml
0.5 ppb	1 ml	1	96 ml
1 ppb	2 ml	1	96 ml
2 ppb	4 ml	1	96 ml
5 ppb	10 ml	1	96 ml
5 ppb	10 ml	1	96 ml
10 ppb	20 ml	1	96 ml
ICV	8 ml	2	96 ml

Start Date/Time of Calibration 03/01/12 10:00

Sufficient Vol for Matrix QC:	YES

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	120301A Blk				0.60g	96mL	03/01/12 10:00	equip: Modblock1
2	120301A LCS		8mL	1	0.60g	96mL	03/01/12 10:00	equip: Modblock1
3	AY55846	AY55846S02			0.69g	96mL	03/01/12 10:00	equip: Modblock1
4	AY55847	AY55847S02			0.72g	96mL	03/01/12 10:00	equip: Modblock1
5	AY55848	AY55848S02			0.68g	96mL	03/01/12 10:00	equip: Modblock1
6	AY55849	AY55849S02			0.67g	96mL	03/01/12 10:00	equip: Modblock1
7	AY55850	AY55850S02			0.70g	96mL	03/01/12 10:00	equip: Modblock1
8	AY55851	AY55851S02			0.63g	96mL	03/01/12 10:00	equip: Modblock1
9	AY55852	AY55852S02			0.65g	96mL	03/01/12 10:00	equip: Modblock1
10	AY55853	AY55853S02			0.68g	96mL	03/01/12 10:00	equip: Modblock1
11	AY55854	AY55854S02			0.65g	96mL	03/01/12 10:00	equip: Modblock1
12	AY55855	AY55855S02			0.65g	96mL	03/01/12 10:00	equip: Modblock1
13	AY55855 MS	AY55855S02	8mL	1	0.65g	96mL	03/01/12 10:00	equip: Modblock1
14	AY55855 MSD	AY55855S02	8mL	1	0.65g	96mL	03/01/12 10:00	equip: Modblock1
15	AY55856	AY55856S02			0.65g	96mL	03/01/12 10:00	equip: Modblock1
16	AY55857	AY55857S02			0.68g	96mL	03/01/12 10:00	equip: Modblock1
17	AY55858	AY55858S02			0.69g	96mL	03/01/12 10:00	equip: Modblock1
18	AY55859	AY55859S02			0.68g	96mL	03/01/12 10:00	equip: Modblock1
19	AY55869	AY55869S02			0.70g	96mL	03/01/12 10:00	equip: Modblock1

Solvent and Lot#
AQUAREGIA 2-16-12
KMnO4 12-15-11
DECOLORIZER 12-14-11

Sample COC Transfer	
Sample prep employee Initials	LO
Analyst's initials	EA
Date	3-1-12
Time	10:40
Moved to	Metals

Technicians Initials	
Scanned By	NM
Sample Preparation	NM
Digestion	NM
Bring up to volume	LO
Modified	03/01/12 5:25:58 PM

Reviewed By: EA **Date:** 3-1-12

072

Metals Standards Log Book # 34 Page # 072

NM 2/29/12

TCLP FLUID #2

ADD 114mL of GLACIAL ACETIC ACID J.T. BAKER K45803-3022

to 19L of DI H_2O PH to 2.88 ± 0.01

FILL up to 20L DI H_2O EXP: 2/29/13

KWS 03/01/12

6010 B-C

(A)

1%HNO3/5%HCl BLK					6010B/6010C ICSA				
AMOUNT	REAGENT	MANUFACTURER	LOT	OPEN DATE	AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
100 mL	HCL	BDH	411040	12/26/11	1mL	Al	CPI	10E012-27685	04/20/12
20 mL	HNO3	JT BAKER	K23022	12/27/11	1mL	Ca	CPI	11A008-28526	09/15/12
Prepared in 2000 ml DI Water					1mL	Mg	CPI	10H213-2786	04/20/12
STD 1 / LDL 6010B/6010C					1mL	Fe	O2SI	1022245-27699	04/22/12
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE	Prepared in 50 ml 1%HNO3/5%HCl				
0.5 mL	6010 LDL	ABSOLUTE	091408-25205	09/14/12	6010B/6010C ICSAB				
Prepared in 50 ml 1%HNO3/5%HCl					1mL	Al	CPI	10E012-27685	04/20/12
STD 3 / HDL 6010B/6010C					1mL	Ca	CPI	11A008-28526	09/15/12
1ML	CCV-A	ABSOLUTE	091409-25206	09/14/12	1mL	Mg	CPI	10H213-2786	04/20/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12	1mL	Fe	O2SI	1022245-27699	04/22/12
1ML	CCV-C	ABSOLUTE	091008-25207	09/10/12	0.5mL	JT SPECIAL M	O2SI	160495-01-01	03/01/12
Prepared in 100 ml 1%HNO3/5%HCl					Prepared in 50 ml 1%HNO3/5%HCl				
STD 2 / CCV1 6010B/6010C/6010C					6010B/6010C ICV				
AMOUNT	STD	PREP DATE	EXP DATE		0.5ML	QCS ICV A	CPI	11G174-28548	09/17/12
25mL	STD 3	Today	1 week		0.5ML	QCS ICV B	CPI	11G174-28549	09/17/12
25mL	1%HNO3/5%HCl	Today	1 week		Prepared in 50ml 1%HNO3/5%HCl				
CCV2 6010B/6010C									
AMOUNT	STD	PREP DATE	EXP DATE						
15mL	STD 3	Today	1 week						
25mL	1%HNO3/5%HCl	Today	1 week						

KWS 03/01/12

KWS 03/01/12

Hg WORKING STANDARD

1ml X 10ug/ml Hg STOCK STD. (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
1ml X 10ug/ml Hg STOCK ICV (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
Final concentration is 50 ug/L. Expires..03/01/12.....

KWS 03/02/12

Metals Standards Log Book # 34 Page # 063

RBS 2/17/12

Hg STANDARD

CPI Lot # 11D140-28885
10ug/ml in 1% HNO3 LOT#K47023
Prep. Date 02/17/12
Exp. Date 03/16/12
By KWS

Manufacturer: J.T. Baker

Hg STOCK ICV

Ultra Scientific Lot #
K00200-26307
10ug/ml in 1% HNO3 LOT#K47023
Prep.Date 02/17/12
Exp. Date 03/16/12
By KWS
Manufacturer: J.T. Baker

STANNOUS CHLORIDE

125g SnCl2 MACRON Lot #K12620
100 mL HCl J.T. BAKER Lot #K29026
Brought to 500 mL with DI Water
Prep. Date 02/17/12
Exp. Date 02/16/13
By KWS

RBS 2/17/12

NBS 02/17/12

ICP-MS STANDARDS 6020/6020A/3015/3051A

Today's Date: 02/17/12
Expires: 02/24/12
Prep 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL DI Water
Lot # K23022
20mL HCL / 2000mL DI Water
Lot #K43032
Expires: 02/24/12

Internal Standard Mix: Prep 02/16/2012

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 02/17/12

Standard 3 02/24/12

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1036407-28139
25 uL	CCV-B	Env. Express	1036410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 02/17/12

Standard 2 02/24/12
Amount STD
500 uL Standard 4 02/17/12
Prepared in 50 mL of 1% HNO3/1.0% HCL 02/17/12

Standard 1 02/24/12
Amount STD
50 uL Standard 4 02/17/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 02/17/12

ICP-MS ICV 02/24/12
Amount STD
50 uL QCS ICV A CPI 11C174-28548
50 uL QCS ICV B CPI 11C174-28549
Prepared in 50 mL of 1% HNO3/1.0% HCL 02/17/12

ICSA Prep: 02/24/12
1 mL ICSA CPI 11C068-28529
Prepared in 5 mL of 1% HNO3/1.0% HCL 02/17/12

ICSAB Prep: 02/24/12
1mL ICSA CPI 11C068-28529
0.025mL INT O2SI 1023805-28210
Prepared in 5 mL of 1% HNO3/1.0% HCL 02/17/12

ICP-LDR 02/24/12

Amount	STD		
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 10 mL of 1% HNO3/1.0% HCL 02/17/12

NBS 02/20/12

Internal Standard Concentration

Amt	STD	Element	Vendor	Lot#	Final Conc. In Std	Expires
500uL	1000 ug/mL	Li	CPI	10L079-27839	5000 ug/L	06/10/12
500uL	1000 ug/mL	In	CPI	10I155-28574	5000 ug/L	09/25/12
500uL	1000 ug/mL	Ho	CPI	10A107-28576	5000 ug/L	09/25/12
500uL	1000 ug/mL	Tb	CPI	11B064-28575	5000 ug/L	09/25/12
500uL	1000 ug/mL	Sc	o2si	1024073-28527	5000 ug/L	08/18/12
500uL	1000 ug/mL	Ge	Environmental Express	1116011-29381	5000 ug/L	02/08/13

Prep:	02/20/12	NBS	Prep in -	1%HNO3/1.0%HCL;	Lot #KK23022/43032	In 100mL
Expires:	03/21/12					

Wetlab Results

ARF: 67072

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Parsons
8000 Centre Park Drive Ste 200
Austin, TX 78754

Attn: Tammy Chang

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
APPL ID: AY55846 -Client Sample ID: B4-NT1-SW9			-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	12.7	2.0	%	02/28/12	02/29/12
APPL ID: AY55847 -Client Sample ID: B4-NT1-SW6			-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	16.8	2.0	%	02/28/12	02/29/12
APPL ID: AY55848 -Client Sample ID: B4-NT1-SW3			-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	11.7	2.0	%	02/28/12	02/29/12
APPL ID: AY55849 -Client Sample ID: B4-NT1-BOT03			-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	10.6	2.0	%	02/28/12	02/29/12
APPL ID: AY55850 -Client Sample ID: B4-NT1-SW8			-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	14.5	2.0	%	02/28/12	02/29/12
APPL ID: AY55851 -Client Sample ID: B4-NT1-BOT02			-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	4.2	2.0	%	02/28/12	02/29/12
APPL ID: AY55852 -Client Sample ID: B4-NT1-SW4			-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	7.8	2.0	%	02/28/12	02/29/12
APPL ID: AY55853 -Client Sample ID: B4-NT1-SW7			-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	12.3	2.0	%	02/28/12	02/29/12
APPL ID: AY55854 -Client Sample ID: B4-NT1-BOT01 FD			-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	7.1	2.0	%	02/28/12	02/29/12
APPL ID: AY55855 -Client Sample ID: B4-NT1-BOT01			-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	7.1	2.0	%	02/28/12	02/29/12
APPL ID: AY55856 -Client Sample ID: B4-NT1-SW5			-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	7.2	2.0	%	02/28/12	02/29/12
APPL ID: AY55857 -Client Sample ID: B4-WC01			-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	11.7	2.0	%	02/28/12	02/29/12

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Wetlab Results

ARF: 67072

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Parsons
8000 Centre Park Drive Ste 200
Austin, TX 78754

Attn: Tammy Chang

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
APPL ID: AY55858	-Client Sample ID: B4-WC02		-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	12.6	2.0	%	02/28/12	02/29/12
APPL ID: AY55859	-Client Sample ID: B4-WC03		-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	12.2	2.0	%	02/28/12	02/29/12
APPL ID: AY55869	-Client Sample ID: B4-NT1-SW6 FD		-Sample Collection Date: 02/27/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	14.6	2.0	%	02/28/12	02/29/12

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WETLAB

Sample/Sample Duplicate Results

Parsons
8000 Centre Park Drive Ste 200
Austin, TX 78754

Attn: Tammy Chang
Project: 748372.06000 CSSA

Sample ID: AY55855
Client ID: B4-NT1-BOT01

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

ARF: 67072

Method	Analyte	Sample ID	Sample Result	Sample Dup Result	RPD	RPD Max	PQL	Units	Sample Extract Date	Sample Analysis Date	Sample Dup Extract Date	Sample Dup Analysis Date
CLP MOIS	MOISTURE	AY55855	7.1	7.2	NA	20	2.0	%	02/28/12	02/29/12	02/28/12	02/29/12

829

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WETLAB

Sample/Sample Duplicate Results

Parsons
8000 Centre Park Drive Ste 200
Austin, TX 78754

Attn: Tammy Chang
Project: 748372.06000 CSSA

Sample ID: AY55856
Client ID: B4-NT1-SW5

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

ARF: 67072

Method	Analyte	Sample ID	Sample Result	Sample Dup Result	RPD	RPD Max	PQL	Units	Sample Extract Date	Sample Analysis Date	Sample Dup Extract Date	Sample Dup Analysis Date
CLP MOIS	MOISTURE	AY55856	7.2	7.0	NA	20	2.0	%	02/28/12	02/29/12	02/28/12	02/29/12

830

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% Moisture

Batch: QCG 120228-M003929

Method: CLP 4.0

Date: 02/28/12 13:15

Sample	Container	Pan (g)	Pan+Wet (g)	Pan+Dry 1 (g)	Pan+Dry 2 (g)	Moisture (%)	Comments
AY55855D		0.8312	7.2875	6.8196	6.8197	7.246	AY55855S02
		02/28/12 13:15	02/28/12 13:16	02/29/12 12:07	02/29/12 12:07		
AY55855		0.8319	7.0711	6.6273	6.6274	7.111	AY55855S02
		02/28/12 13:14	02/28/12 13:15	02/29/12 12:07	02/29/12 12:07		
AY55854		0.8270	7.6123	7.1312	7.1314	7.087	AY55854S02
		02/28/12 13:13	02/28/12 13:14	02/29/12 12:06	02/29/12 12:06		
AY55853		0.8270	7.0288	6.2630	6.2631	12.346	AY55853S02
		02/28/12 13:12	02/28/12 13:13	02/29/12 12:06	02/29/12 12:06		
AY55852		0.8325	6.8525	6.3808	6.3810	7.832	AY55852S02
		02/28/12 13:12	02/28/12 13:12	02/29/12 12:06	02/29/12 12:06		
AY55851		0.8342	6.5568	6.3179	6.3179	4.175	AY55851S02
		02/28/12 13:11	02/28/12 13:11	02/29/12 12:06	02/29/12 12:06		
AY55850		0.8351	9.2138	8.0027	8.0028	14.453	AY55850S02
		02/28/12 13:10	02/28/12 13:11	02/29/12 12:05	02/29/12 12:05		
AY55849		0.8296	8.4750	7.6615	7.6614	10.642	AY55849S02
		02/28/12 13:09	02/28/12 13:10	02/29/12 12:05	02/29/12 12:05		
AY55848		0.8256	7.3605	6.5928	6.5928	11.748	AY55848S02
		02/28/12 13:08	02/28/12 13:09	02/29/12 12:05	02/29/12 12:05		
AY55847		0.8361	6.6109	5.6398	5.6400	16.813	AY55847S02
		02/28/12 13:07	02/28/12 13:08	02/29/12 12:03	02/29/12 12:03		
AY55846		0.8350	7.3747	6.5428	6.5429	12.719	AY55846S02
		02/28/12 13:06	02/28/12 13:07	02/29/12 12:02	02/29/12 12:03		

Date/Time InOven@104°C	Date/Time OutOven@104°C	Date/Time InOven@104°C	Date/Time OutOven@104°C
02/28/12 1:16:00 PM			02/29/12 12:03:00 PM

% Moisture

Batch: QCG 120228-M003930

Method: CLP 4.0

Date: 02/28/12 13:22

Sample	Container	Pan (g)	Pan+Wet (g)	Pan+Dry 1 (g)	Pan+Dry 2 (g)	Moisture (%)	Comments
AY55869		0.8351 02/28/12 13:22	7.3892 02/28/12 13:23	6.4349 02/29/12 12:12	6.4353 02/29/12 12:13	14.554	AY55869S02
AY55859		0.8332 02/28/12 13:21	7.5067 02/28/12 13:22	6.6925 02/29/12 12:12	6.6926 02/29/12 12:12	12.199	AY55859S02
AY55858		0.8318 02/28/12 13:20	8.4214 02/28/12 13:21	7.4676 02/29/12 12:12	7.4677 02/29/12 12:12	12.566	AY55858S02
AY55857		0.8321 02/28/12 13:20	8.2476 02/28/12 13:20	7.3821 02/29/12 12:12	7.3820 02/29/12 12:12	11.673	AY55857S02
AY55856D		0.8343 02/28/12 13:17	7.0445 02/28/12 13:19	6.6078 02/29/12 12:11	6.6078 02/29/12 12:11	7.032	AY55856S02
AY55856		0.8324 02/28/12 13:16	6.8952 02/28/12 13:17	6.4560 02/29/12 12:11	6.4561 02/29/12 12:11	7.243	AY55856S02

Date/Time InOven@104°C	Date/Time OutOven@104°C	Date/Time InOven@104°C	Date/Time OutOven@104°C
02/28/12 1:23:00 PM			02/29/12 12:11:00 PM

Date	Initials	Balance	Weight	Reading	Lower Limit	Upper Limit	Comments / Is the Bubble Centered?
1/28/12	BB	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0001 g	0.9990	1.0010	
		Mettler AT200	20g	20.0007 g	19.9800	20.0200	
		Mettler AT200	50g	50.0015 g	49.9500	50.0500	
		Mettler AT200	100g	100.0028 g	99.9000	100.1000	
		Mettler AT200	150g	150.0043 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	1000.00 g	980.00	1020.00	
		OHAUS ARC120	2kg	1999.97 g	1960.00	2040.00	
1-29-12	CK	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0007 g	19.9800	20.0200	
		Mettler AT200	50g	50.0014 g	49.9500	50.0500	
		Mettler AT200	100g	100.0027 g	99.9000	100.1000	
		Mettler AT200	150g	150.0040 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	1000.00 g	980.00	1020.00	
		OHAUS ARC120	2kg	2000.00 g	1960.00	2040.00	
3-1-12	CK	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0006 g	19.9800	20.0200	
		Mettler AT200	50g	50.0014 g	49.9500	50.0500	
		Mettler AT200	100g	100.0027 g	99.9000	100.1000	
		Mettler AT200	150g	150.0041 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	999.98 g	980.00	1020.00	
		OHAUS ARC120	2kg	1999.96 g	1960.00	2040.00	
3-2-12	CK	Mettler AT200	0.5g	0.5000g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000g	0.9990	1.0010	
		Mettler AT200	20g	20.0006g	19.9800	20.0200	
		Mettler AT200	50g	50.0013 g	49.9500	50.0500	
		Mettler AT200	100g	100.0025 g	99.9000	100.1000	
		Mettler AT200	150g	150.0038 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	999.96 g	980.00	1020.00	
		OHAUS ARC120	2kg	1999.97 g	1960.00	2040.00	

DATA VERIFICATION SUMMARY REPORT

for B4 samples collected from

CAMP STANLEY STORAGE ACTIVITY

BOERNE, TEXAS

Data Verification by: Tammy Chang
Parsons - Austin

INTRODUCTION

The following data verification summary report covers one soil sample and one associated field quality control (QC) sample collected from B4 at Camp Stanley Storage Activity (CSSA) on February 29, 2012. The samples were assigned to the following Sample Delivery Group (SDG):

67099

The samples in this SDG were analyzed for volatile organic compounds (VOCs), semi-VOCs (SVOCs), explosives, and metals. QC sample included one trip blank (TB) for VOC only.

All samples were collected by Parsons and analyzed by APPL, Inc. following the procedures outlined in the Statement of Work and CSSA QAPP, Version 1.0. The samples in this SDG were shipped to the laboratory in one cooler. The cooler was received by the laboratory at a temperature of 2.0ºC, which was within the 2-6ºC range recommended by the CSSA QAPP.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, Version 1.0. Information reviewed in the data package included sample results; field and laboratory quality control samples; calibrations; case narratives; raw data; chain-of-custody (COC) forms and the sample receipt checklist. The findings presented in this report are based on the reviewed information, and whether the guidelines in the CSSA QAPP, Version 1.0, were met.

ICP-AES Metals

General

The ICP-AES metal portion of this SDG consisted of one (1) soil sample for the analysis of arsenic, barium, cadmium, chromium, copper, nickel, lead, and zinc.

The metal analyses were performed using USEPA SW846 Method 6010B. The samples were analyzed following the procedures outlined in the Work Plan. All samples were prepared and analyzed within the holding time required by the method and the Work Plan.

The sample was digested in batch #164505. All analyses were performed undiluted.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the laboratory control sample (LCS).

The LCS recoveries for all target metals were within acceptance criteria.

Precision

Precision could not be evaluated due to the lack of duplicate analyses.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the Work Plan;
- Comparing actual analytical procedures to those described in the Work Plan;
- Evaluating preservation and holding times; and
- Examining laboratory blanks for cross contamination of samples during sample analysis.

This sample was analyzed following the COC and the analytical procedures described in the Work Plan. This sample was prepared and analyzed within the holding times required by the method.

- All instrument initial calibration criteria were met.
- Low-level check standard met the criteria.
- All second source criteria were met. The initial calibration verification (ICV) sample was prepared using a secondary source.
- All continuing calibration verification (CCV) criteria were met.
- All interference check (ICSA/ICSAB) criteria were met.
- The dilution test (DT) was performed on sample B4-NT1-SW1. This test was applicable to barium and chromium:

Metal	%D	Criteria
Barium	**19**	%D ≤ 10
Chromium	**17**	

- The post digestion spike (PDS) was performed on the same sample as the DT. It was applicable for barium, cadmium, nickel, and zinc:

Metal	%R	Criteria
Arsenic	96	
Barium	**70**	

Cadmium	**64**	
Chromium	78	75 – 125%
Copper	86	
Nickel	78	
Lead	77	
Zinc	76	

"J" flag was applied to the barium and cadmium results of the soil sample in this SDG.

There were one method blank and several calibration blanks associated with the metal analyses in this SDG. All blanks were compliant.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All ICP-AES metal results for the sample in this SDG were considered usable. Therefore, the completeness for the lead portion of this SDG is 100%, which meets the minimum acceptance criteria of 95%.

MERURY

General

The mercury portion of this SDG consisted of one (1) soil sample. This sample was collected on February 29, 2012 and was prepared and analyzed for total mercury using USEPA Method SW7471B.

This sample was analyzed following the procedures outlined in the CSSA QAPP, prepared and analyzed within the holding time required by the method.

The sample was digested in batch #164455 and analyzed undiluted.

Accuracy

Accuracy was evaluated using the percent recovery obtain from the LCS.

The LCS recovery was within acceptance criteria.

Precision

Precision could not be evaluated due to the lack of duplicate analysis.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;

- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during sample analysis.

The sample in this SDG was analyzed following the COC and the analytical procedures described in the CSSA QAPP. This sample was prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All second source verification criteria were met. The ICV was prepared using a secondary source.
- All calibration verification criteria were met.
- DT and PDS are not applicable.

There were one method blank and several calibration blanks associated with the mercury analyses in this SDG. All blanks were free of mercury at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

The mercury result for the sample in this SDG was considered usable. The completeness for the mercury portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

VOLATILES

General

This data package consisted of one (1) soil samples and one TB. The samples were collected on February 29, 2012 and were analyzed for a full list of VOCs.

The VOC analyses were performed using United States Environmental Protection Agency (USEPA) SW846 Method 8260B. The samples were analyzed in two analytical batches under two sets of initial calibration (ICAL) curves. All samples were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method. All samples were analyzed undiluted.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the two LCSs and the surrogate spikes.

All LCSs and surrogates recoveries were within acceptance criteria for both batches.

Precision

Precision could not be evaluated due to the lack of duplicate analyses in this SDG.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining TB and laboratory blanks for cross contamination of samples during sample collection and analysis.

Both samples in this data package were analyzed following the COC and the analytical procedures described in the CSSA QAPP, Version 1.0. Both samples were prepared and analyzed within the holding time required by the method.

- All instrument performance check criteria were met.
- All initial calibration criteria were met.
- Both two LCS samples were prepared with a secondary source. All second source verification criteria were met.
- All initial calibration verification (ICV) criteria were met.
- All continuing calibration verification (CCV) criteria were met.

There were two MBs, one TB, and few calibration blanks associated with the VOC analyses in this SDG. All blanks were non-detect for all target VOCs at RLs.

Completeness

Completeness has been evaluated in accordance with the CSSA QAPP. The number of usable results has been divided by the number of possible individual analyte results and expressed as a percentage to determine the completeness of the data set.

All VOC results for the samples in this SDG were considered usable. The completeness for this SDG is 100%, which meets the minimum acceptance criteria of 95%.

SEMI-VOLATILES

General

This data package consisted of one (1) soil sample which was collected on February 29, 2012 and was analyzed for a full list of SVOCs.

The SVOC analyses were performed using United States Environmental Protection Agency (USEPA) SW846 Method 8270C. This soil sample was analyzed following the procedures outlined in the CSSA QAPP, prepared, and analyzed undiluted within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the LCS and the surrogate spikes.

The LCS and surrogate spike recoveries were within acceptance criteria.

Precision

Precision could not be evaluated due to the lack of duplicate analysis in this SDG.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during sample analysis.

The sample in this data package was analyzed following the COC and the analytical procedures described in the CSSA QAPP, Version 1.0, prepared and analyzed undiluted within the holding time required by the method.

- All instrument performance check criteria were met.
- All initial calibration criteria were met.
- The LCS sample was prepared with a secondary source. All second source verification criteria were met.
- All ICV criteria were met.
- All CCV criteria were met.
- All internal standard criteria were met.

There were one MB and few calibration blanks associated with the SVOC analyses in this SDG. All blanks were non-detect for all target SVOCs.

Completeness

Completeness has been evaluated in accordance with the CSSA QAPP. The number of usable results has been divided by the number of possible individual analyte results and expressed as a percentage to determine the completeness of the data set.

All SVOC results for the sample in this SDG were considered usable. The completeness for this SDG is 100%, which meets the minimum acceptance criteria of 95%.

EXPLOSIVES

General

This data package consisted of one (1) soil sample which was collected on February 29, 2012 and was analyzed for a full list of explosives by SW8330B.

The explosive analyses were performed using United States Environmental Protection Agency (USEPA) SW846 Method 8330B. The sample was analyzed in one analytical batch under one set of initial calibration (ICAL) curves. This sample was analyzed following the procedures outlined in the CSSA QAPP. This sample was prepared and analyzed undiluted within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the LCS and the surrogate spikes.

All LCS and surrogate spike recoveries were within acceptance criteria.

Precision

Precision could not be evaluated due to the lack of duplicate analysis.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blank for cross contamination of samples during sample preparation and analysis.

The sample in this data package was analyzed following the COC and the analytical procedures described in the CSSA QAPP, Version 1.0. This sample was prepared and analyzed undiluted within the holding time required by the method.

- All instrument performance check criteria were met.
- All initial calibration criteria were met.
- The LCS was prepared with a secondary source. All second source verification criteria were met.
- All initial calibration verification (ICV) criteria were met.
- All continuing calibration verification (CCV) criteria were met.

There were one MB and several calibration blanks associated with the explosive analyses in this SDG. All blanks were non-detect for all target explosives.

Completeness

Completeness has been evaluated in accordance with the CSSA QAPP. The number of usable results has been divided by the number of possible individual analyte results and expressed as a percentage to determine the completeness of the data set.

All explosive results for the sample in this SDG were considered usable. The completeness for this SDG is 100%, which meets the minimum acceptance criteria of 95%.

Laboratory Report

Parsons

Project #: 748372.06000 CSSA B-4

ARF: 67099

Samples collected: February 29, 2012

APPL, Inc.

Data Validatable Package
for
Project #: 748372.06000 CSSA B-4
ARF 67099
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CASE NARRATIVE

908 North Temperance Ave. V Clovis, CA 93611 V Phone 559-275-2175 V Fax 559-275-4422

Case Narrative

ARF: 67099

Project: 748372.06000 CSSA B-4

California State Certification Number: CA1312 (DW & WW)

NELAP Certification number: 05233CA (HW)

Texas Certificate Number: T104704242-10-3

Results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sample Receipt Information:

The sample group was received March 1, 2012, at 2.0°C. The samples were assigned Analytical Request Form (ARF) number 67099. The sample numbers and requested analyses were compared to the chain of custody. No exception was noted.

Sample Table

CLIENT ID	APPL ID	Matrix	Date Sampled	Date Received
TB-1	AY56026	WATER	02/29/12	03/01/12
B4-NT1-SW1	AY56027	SOIL	02/29/12	03/01/12

Percent moisture was determined using CLP 4.0.

EPA Method 8270C
Semi-Volatile Organic Compounds

Sample Preparation:

The soil sample was extracted according to EPA method 3550B. All holding times were met.

Sample Analysis Information:

The sample was analyzed according to the method using a Hewlett Packard Gas Chromatograph with a mass spectrometer detector.

Quality Control/Assurance

Calibrations:

Initial and continuing calibrations were performed according to the method. All calibration criteria were met.

Blanks:

No target compound was detected at or above the reporting limit.

Spikes:

A Laboratory Control Spike (LCS) was used for quality assurance. All recoveries were acceptable.

No sample was designated by the client for MS/MSD analysis.

Surrogates

All surrogate recoveries met acceptance criteria.

Tuning:

The instrument was tuned using DFTPP. All method criteria were met.

Internal Standards

The internal standard area counts were compared to the mid-point of the initial calibration according to method 8270. All method criteria were met.

Summary:

No problem was encountered. The data generated are acceptable.

Volatile Organic Compounds
EPA Method 8260B

Sample Preparation:

The water sample was purged according to EPA method 5030B and the soil sample was purged according to EPA method 5035. All holding times were met.

Sample Analysis Information:

The samples were analyzed according to EPA method 8260B using a Hewlett Packard Gas Chromatograph with a mass spectrometer detector. All holding times were met.

Quality Control/Assurance:

Spike Recovery:

Laboratory Control Spikes (LCS) were used for quality assurance. A second-source standard (SS) was used for the LCS. All LCS and SS criteria were met.

No sample was designated by the client for MS/MSD analysis.

Surrogates:

All surrogate recoveries met acceptance criteria.

Method blanks:

No target compound was detected above its reporting limit in the method blanks.

Calibration:

Initial and continuing calibrations were analyzed according to the method. All calibration criteria were met.

Tuning:

The instrument was tuned using BFB. All method criteria were met.

Internal Standards:

The internal standard area counts were compared to the mid-point of the initial calibration according to method 8260. All acceptance criteria were met.

Summary:

No analytical exception was noted. All data generated are acceptable.

EPA Method 8330B
Energetics

Sample Preparation:

The soil sample was dried and extracted according to EPA method 8330B, without using incremental sampling procedures. All holding times were met.

Analysis:

The sample was analyzed according to EPA Method 8330B using an Agilent 1290 HPLC with DA detector.

Quality Control/Assurance:

Spike Recovery

A Laboratory Control Spike (LCS) was used for quality assurance. All spike acceptance criteria was met.

No sample was designated by the client for MS/MSD analysis.

Method blanks:

No target analyte was detected at or above the reporting limit in the method blank.

Surrogates:

All surrogates had acceptable recoveries.

Calibration:

The initial and continuing calibrations and second source were analyzed according to the method. All calibration criteria were met.

Summary:

No analytical problem was encountered. The data generated are acceptable.

EPA Method 6010B
Metals

Digestion Information:

The soil sample was digested according to EPA method 3050B. All holding times were met.

Analysis Information:

Samples:

The sample was analyzed according to EPA method 6010B using a Perkin Elmer Optima 5300DV ICP.

Calibrations:

Calibrations were performed according to the methods for the initial calibration and the initial calibration verification. The initial calibration verification is prepared from a second source standard. All calibration acceptance criteria were met.

Blanks:

No target metal was detected above the reporting limit (RL) in the method blank.

Spikes:

Laboratory Control Spike (LCS), Post Digestion Spike (PDS) and serial dilution test (DT) were used for quality assurance. All LCS acceptance criteria were met.

Sample B4-NT1-SW1 was selected by the laboratory as the QC sample for the analytical batch. The DT was applicable to barium and chromium, which exceeded the 10% deviation limit. The PDS was applicable to all eight analytes; two analytes recovered below the 75% lower control limits, barium at 70% and cadmium at 64.0%. Barium and cadmium are flagged with a "J" in all associated samples, in accordance with CSSA QAPP guidelines.

Summary:

No other analytical exception is noted.

EPA Method 7471B

Mercury

Digestion Information:

The soil sample was digested according to EPA method 7471B. No exceptions were encountered. All holding times were met.

Analysis Information:

Samples:

The sample was analyzed according to EPA method 7471B using a Perkin Elmer AAnalyst 300.

Calibrations:

Calibrations were performed according to the method for the initial calibration and the initial calibration verification. The initial calibration verification is prepared from a second source standard. All calibration acceptance criteria were met.

Blanks:

No target metal was detected above the reporting limit (RL) in the method blank.

Spikes:

A Laboratory Control Spike (LCS) was used for quality assurance. All acceptance criteria in the LCS were met.

No sample was designated by the client for MS/MSD analysis.

Summary:

No analytical exception is noted.

CERTIFICATION

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC. Release of the hard copy has been authorized by the Laboratory Manager or her designee, as verified by the following signature.

3-12-12

Sharon Dehmlow, Laboratory Director / Date

CHAIN OF CUSTODY
AND ARF

APPL - Analysis Request Form 67099

Client: Parsons
Address: 8000 Centre Park Drive Ste 200
Austin, TX 78754
Attn: Tammy Chang
Phone: 512-719-6092 Fax: 512-719-6099
Job: 748372.06000 CSSA B-4
PO #: 748336.30000-00 (prime *G012)
Chain of Custody (Y/N): Y # 022912APPFA
RAD Screen (Y/N): Y pH (Y/N): N
Turn Around Type: 3 DAYS

Received by: TBV
Date Received: 03/01/12 Time: 10:00
Delivered by: FED EX
Shuttle Custody Seals (Y/N): Y Time Zone: CST
Chest Temp(s): 2.0°C
Color: VOA,G-BLUE
Samples Chilled until Placed in Refrig/Freezer: Y
Project Manager: Diane Anderson DA ES
QC Report Type: DVP4/AFCEE/ERPIMS/TX
Due Date: 03/05/12

Comments:
pdf ARF to Tammy & Pam; send HC 2 DVP3 to Tammy; send DVP4 on CD. DA
For Off-Post samples, send pdf of result pages to Katherine & Tammy. DA
New contract: definitive data needs DVP 4; needs AFCEE forms and package. DA
Case Narrative. CSSA QAPP. Only report MS/MSD when requested. DA
EDD: ERPIMS 4 Lab PC4 checked TXF to Pam.Ford@parsons.com DA

3-5 Sent ARF

Sample Distribution:
GC: 1-$827AF
Extractions: 1-_MSE018, 1-_SON009GROSS
VOA: 1-$86AW, 1-$826AF
LCMS: 1-$83CS
Metals: 1-$HGAFBS, 1-$MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn)
Wetlab: 1-MOIST
Other: 1-_M3050GROSS, 1-_M7471GROSS

Charges:

Invoice To:
BOA 748336.30000 TO# 2
8000 Centre Park Drive Ste 200
Austin, TX 78754-5140
Attn: Ellen Felfe

	Client ID	APPL ID	Sampled	Analyses Requested
1.	TB-1	AY56026W	02/29/12 12:00	$86AW
2.	B4-NT1-SW1	AY56027S	02/29/12 13:20	$826AF, $827AF, $83CS, $HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST

APPL Sample Receipt Form

ARF# **67099**

Sample	Container Type	Count	pH	Sample	Container Type	Count	pH
AY56026	[13] VOAs - HCL	2	NA				
AY56027	[20] 4oz Jar	3	NA				

Camp Stanley Storage Activity Chain Of Custody

67094
2.0

COC ID:	022912APPFA	Relinquish_Date:	2/29/2012	Cooler ID:	A
Project Location:	B-4	Relinquished_By:	KKC	LabCode:	APPF
Job Number:	748372.06000	Relinquish_Time:	4:30 PM	Carrier:	FedEx
Creation Date:	2/29/2012	Collection Team:	SE	Airbill Carrier:	876436443230
Task Manager	Laura Marbury	Sample Data Type	Definitive	TAT:	3 Day TAT

Sampler(s): Sam Elliott

LOCID: **TB-1** LOGDATE: 2/29/2012 MATRIX: WQ TBLOT:
SBD: 0 LOGTIME: 12:00 SACODE: TB SMCODE: NA ABLOT:
SED: 0 FLDSAMPID TB-1_022912_TB1200 EBLOT: Containers: 2
Remarks:

Analysis Required:

SW8260B	VOLATILE ORGANIC CO

LOCID: **B4-NT1-SW1** LOGDATE: 2/29/2012 MATRIX: SO TBLOT: 29021201
SBD: 0 LOGTIME: 13:20 SACODE: N SMCODE: G ABLOT:
SED: 0 FLDSAMPID B4-NT1-SW1_022712_N1320 EBLOT: Containers: 3
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY	SW8260B	VOLATILE ORGANIC CO
SW8270C	SEMI-VOLATILE ORGAN	SW8330	EXPLOSIVES SUITE

14

Relinquished by: S. Elliott Date 2.29.12 Time 1630
Recieved by: Date 3/1/12 Time 1000

Relinquished by: Date Time
Recieved by: Date Time

Relinquished by: Date Time
Recieved by: Date Time

COOLER RECEIPT FORM

1) Project: 748372.06000 B-4 Date Received: 3/1/12

2) Coolers: Number of Coolers: 1

3) YES NO Were coolers and samples screened for radioactivity?

4) YES NO Were custody seals on outside of cooler? How many? 2 Date on seal? 2/29/12

5) Name on seal? See Label

6) YES NO NA Were custody seals unbroken and intact at the time of arrival?

7) YES NO Did the cooler come with a shipping slip (air bill, etc.)? Carrier name: Fed Ex

8) Shipping slip numbers: 1) 8764 2644 2230 2) 3)

9) YES NO NA Was the shipping slip scanned into the database?

10) YES NO NA If cooler belongs to APPL, has it been logged into the ice chest database?

11) Describe type of packing in cooler (bubble wrap, popcorn, type of ice, etc.): bubble bag, Ziploc, in wet ice

12) YES NO NA For hand delivered samples was sufficient ice present to start the cooling process?

13) YES NO Was a temperature blank included in the cooler?

14) Serial number of certified NIST thermometer used: 43926 7 Correction factor: 0

15) Cooler temp(s): 1) 2.0°C 2) 3) 4) 5) 6) 7) 8)

Chain of custody:

16) YES NO Was a chain of custody received?

17) YES NO Were the custody papers signed in the appropriate places?

18) YES NO Was the project identifiable from custody papers?

19) YES NO Did the chain of custody include date and time of sampling?

20) YES NO Is location where sample was taken listed on the chain of custody?

Sample Kenlick 2/29/2012 (Signature) **CUSTODY**

Sample Labels:

21) YES NO Were container labels in good condition?

22) YES NO Was the client ID on the label?

23) YES NO Was the date of sampling on the label?

24) YES NO Was the time of sampling on the label?

25) YES NO Did all container labels agree with custody papers?

Sample Containers:

26) YES NO Were all containers sealed in separate bags?

27) YES NO Did all containers arrive unbroken?

28) YES NO Was there any leakage from samples?

29) YES NO Were any of the lids cracked or broken?

30) YES NO Were correct containers used for the tests indicated?

31) YES NO Was a sufficient amount of sample sent for tests indicated?

32) YES NO NA Were bubbles present in volatile samples? If yes, the following were received with air bubbles:

Larger than a pea:

Smaller than a pea: AY56026 W01-W02

Preservation & Hold time:

33) YES NO NA Was a sufficient amount of holding time remaining to analyze the samples?

34) YES NO NA Do the sample containers contain the same preservative as what is stated on the COC?

35) YES NO NA Was the pH taken of all non-VOA preserved samples and written on the sample container?

36) YES NO NA Was the pH of acid preserved non-VOA samples < 2 & sodium hydroxide preserved samples > 12?

37) YES NO NA Unpreserved VOA Vials received?

38) YES NO NA Are unpreserved VOA vials noted in the ADD TEST FIELD on the ARF?

Lab notified if pH was not adequate:

Deficiencies:

Signature of personnel receiving samples: Second reviewer:

Signature of project manager notified: Date and Time of notification:

Name of client notified: Date and Time of notification:

Information given to client:

by whom (initials):

EPA METHOD 8270C
Semivolatile Organic Compounds

EPA METHOD 8270C
Semivolatile Organic Compounds
AFCEE Forms

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 8270C
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120302A-164436
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-SW1	AY56027

Comments: ARF: 67099

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

Signature: _____ Name: Diane Anderson

Date: 3-12-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120302A-164436
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW1 Lab Sample ID: AY56027 Matrix: Soil
% Solids: 89.8 Initial Calibration ID: Y120301B
Date Received: 01-Mar-12 Date Prepared: 02-Mar-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-TRICHLOROBENZENE	0.04	0.7	0.04	1		U
1,2-DCB	0.03	0.7	0.03	1		U
1,3-DCB	0.04	0.7	0.04	1		U
1,4-DCB	0.03	0.7	0.03	1		U
2,4,5-TRICHLOROPHENOL	0.04	3.3	0.04	1		U
2,4,6-TRICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DICHLOROPHENOL	0.04	0.3	0.04	1		U
2,4-DIMETHYLPHENOL	0.08	0.3	0.08	1		U
2,4-DINITROPHENOL	0.03	3.3	0.03	1		U
2,4-DNT	0.05	0.7	0.05	1		U
2,6-DNT	0.04	0.7	0.04	1		U
2-CHLORONAPHTHALENE	0.04	0.7	0.04	1		U
2-CHLOROPHENOL	0.03	0.3	0.03	1		U
2-METHYLNAPHTHALENE	0.05	0.7	0.05	1		U
2-METHYLPHENOL	0.02	0.3	0.02	1		U
2-NITROANILINE	0.04	3.3	0.04	1		U
2-NITROPHENOL	0.04	0.3	0.04	1		U
3,3'-DICHLOROBENZIDINE	0.02	1.3	0.02	1		U
3-NITROANILINE	0.01	3.3	0.01	1		U
4,6-DINITRO-2-METHYLPHENOL	0.03	3.3	0.03	1		U
4-BROMOPHENYL PHENYL ETHER	0.05	0.7	0.05	1		U
4-CHLORO-3-METHYLPHENOL	0.04	1.3	0.04	1		U
4-CHLOROANILINE	0.04	1.3	0.04	1		U
4-CHLOROPHENYL PHENYL ETHER	0.04	0.7	0.04	1		U
4-METHYLPHENOL	0.04	0.3	0.04	1		U
4-NITROANILINE	0.03	3.3	0.03	1		U
4-NITROPHENOL	0.04	1.6	0.04	1		U
ACENAPHTHENE	0.04	0.7	0.04	1		U
ACENAPHTHYLENE	0.03	0.7	0.03	1		U
ANTHRACENE	0.04	0.7	0.04	1		U
BENZ (A) ANTHRACENE	0.04	0.7	0.04	1		U
BENZO (A) PYRENE	0.05	0.7	0.05	1		U
BENZO (B) FLUORANTHENE	0.06	0.7	0.06	1		U
BENZO (G,H,I) PERYLENE	0.04	0.7	0.04	1		U
BENZOIC ACID	0.02	1.6	0.02	1		U

Comments:

ARF: 67099

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120302A-164436
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW1 Lab Sample ID: AY56027 Matrix: Soil
% Solids: 89.8 Initial Calibration ID: Y120301B
Date Received: 01-Mar-12 Date Prepared: 02-Mar-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
BENZYL ALCOHOL	0.12	1.3	0.12	1		U
BIS (2-CHLOROETHOXY) METHANE	0.06	0.7	0.06	1		U
BIS (2-CHLOROETHYL) ETHER	0.04	0.7	0.04	1		U
BIS (2-CHLOROISOPROPYL) ETHER	0.05	0.7	0.05	1		U
BIS (2-ETHYLHEXYL) PHTHALATE	0.03	0.7	0.03	1		U
BUTYLBENZYLPHTHALATE	0.04	0.7	0.04	1		U
CHRYSENE	0.04	0.7	0.04	1		U
DI-N-BUTYLPHTHALATE	0.04	0.7	0.04	1		U
DI-N-OCTYLPHTHALATE	0.03	0.7	0.03	1		U
DIBENZ (A,H) ANTHRACENE	0.04	0.7	0.04	1		U
DIBENZOFURAN	0.04	0.7	0.04	1		U
DIETHYL PHTHALATE	0.04	0.7	0.04	1		U
DIMETHYLPHTHALATE	0.04	0.7	0.04	1		U
FLUORANTHENE	0.04	0.7	0.04	1		U
FLUORENE	0.04	0.7	0.04	1		U
HEXACHLOROBENZENE	0.05	0.7	0.05	1		U
HEXACHLOROBUTADIENE	0.06	0.7	0.06	1		U
HEXACHLOROCYCLOPENTADIENE	0.03	0.7	0.03	1		U
HEXACHLOROETHANE	0.04	0.7	0.04	1		U
INDENO (1,2,3-CD) PYRENE	0.04	0.7	0.04	1		U
ISOPHORONE	0.04	0.7	0.04	1		U
N-NITROSODI-N-PROPYLAMINE	0.04	0.7	0.04	1		U
N-NITROSODIPHENYLAMINE	0.05	0.7	0.05	1		U
NAPHTHALENE	0.04	0.7	0.04	1		U
NITROBENZENE	0.05	0.7	0.05	1		U
PENTACHLOROPHENOL	0.03	3.3	0.03	1		U
PHENANTHRENE	0.04	0.7	0.04	1		U
PHENOL	0.04	0.3	0.04	1		U
PYRENE	0.05	0.7	0.05	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	60.7	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	54.1	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	50.8	25-135	
SURROGATE: NITROBENZENE-D5 (S)	54.3	25-135	
SURROGATE: PHENOL (S)	59.3	25-135	

Comments:

ARF: 67099

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8270C Preparatory Method: 3550B AAB #: 120302A-164436
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW1 Lab Sample ID: AY56027 Matrix: Soil
% Solids: 89.8 Initial Calibration ID: Y120301B
Date Received: 01-Mar-12 Date Prepared: 02-Mar-12 Date Analyzed: 02-Mar-12
Concentration Units: mg/kg

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: TERPHENYL-D14 (S)	76.5	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments:

ARF: 67099

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: EPA 8270C — AAB #: 120302A-164436

Lab Name: APPL, Inc. — Contract #: *G012

Instrument ID: YODA — Date of Initial Calibration: 01-Mar-12

Initial Calibration ID: Y120301B — Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	Std 9	RF 9
Hexachlorocyclopentadiene *	5.0		10.0	0.218	20.0	0.259	40.0	0.283	50.0	0.305	60.0	0.318	80.0	0.324	100.0	0.319		
n-Nitrosodi-n-propylamine *	5.0	1.572	10.0	1.610	20.0	1.451	40.0	1.323	50.0	1.328	60.0	1.159	80.0		100.0			
2,4-Dinitrophenol *	5.0		10.0	0.098	20.0	0.152	40.0	0.192	50.0	0.217	60.0	0.245	80.0	0.245	100.0	0.244		
4-Nitrophenol *	5.0		10.0	0.119	20.0	0.138	40.0	0.155	50.0	0.162	60.0	0.173	80.0	0.177	100.0	0.174		
1,4-DCB #	5.0	2.247	10.0	2.247	20.0	2.022	40.0	1.858	50.0	1.890	60.0	1.888	80.0	1.848	100.0	1.813		
Acenaphthene #	5.0	1.651	10.0	1.591	20.0	1.482	40.0	1.349	50.0	1.362	60.0	1.332	80.0	1.356	100.0	1.252		
Benzo (a) pyrene #	5.0	1.259	10.0	1.385	20.0	1.281	40.0	1.239	50.0	1.253	60.0	1.274	80.0	1.242	100.0	1.161		
Di-n-octylphthalate #	5.0	1.628	10.0	1.712	20.0	1.674	40.0	1.630	50.0	1.668	60.0	1.653	80.0	1.695	100.0	1.637		
Fluoranthene #	5.0	1.463	10.0	1.488	20.0	1.432	40.0	1.325	50.0	1.318	60.0	1.305	80.0	1.352	100.0	1.188		
Hexachlorobutadiene #	5.0	0.218	10.0	0.217	20.0	0.202	40.0	0.188	50.0	0.188	60.0	0.191	80.0	0.182	100.0	0.181		
n-Nitrosodiphenylamine #	5.0	0.557	10.0	0.548	20.0	0.507	40.0	0.439	50.0	0.434	60.0	0.454	80.0	0.48	100.0	0.415		
2,4,6-Trichlorophenol #	5.0	0.453	10.0	0.474	20.0	0.447	40.0	0.430	50.0	0.435	60.0	0.456	80.0	0.436	100.0	0.427		
2,4-Dichlorophenol #	5.0	0.371	10.0	0.398	20.0	0.370	40.0	0.346	50.0	0.349	60.0	0.353	80.0	0.344	100.0	0.324		
2-Nitrophenol #	5.0	0.253	10.0	0.266	20.0	0.260	40.0	0.245	50.0	0.248	60.0	0.254	80.0	0.252	100.0	0.247		
4-Chloro-3-methylphenol #	5.0	0.382	10.0	0.405	20.0	0.383	40.0	0.370	50.0	0.371	60.0	0.385	80.0	0.371	100.0	0.37		
Pentachlorophenol #	5.0	0.104	10.0	0.121	20.0	0.132	40.0	0.140	50.0	0.141	60.0	0.153	80.0	0.155	100.0	0.15		
Phenol #	5.0	2.478	10.0	2.543	20.0	2.398	40.0	2.244	50.0	2.259	60.0	2.341	80.0	2.21	100.0	2.18		

* SPCCs # CCCs

Comments: _____

AFCEE FORM O-3A Page ___ of ___

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: EPA 8270C

AAB #: 120302A-164436

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: YODA

Date of Initial Calibration: 01-Mar-12

Initial Calibration ID: Y120301B

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
Hexachlorocyclopentadiene *	13.5				
n-Nitrosodi-n-propylamine *	12.1				
2,4-Dinitrophenol *	28.3		0.9960		
4-Nitrophenol *	13.8				
1,4-DCB #	8.8				
Acenaphthene #	9.8				
Benzo (a) pyrene #	4.9				
Di-n-octylphthalate #	1.9				
Fluoranthene #	7.2				
Hexachlorobutadiene #	7.5				
n-Nitrosodiphenylamine #	11.2				
2,4,6-Trichlorophenol #	3.6				
2,4-Dichlorophenol #	6.2				
2-Nitrophenol #	2.7				
4-Chloro-3-methylphenol #	3.2				
Pentachlorophenol #	12.7				
Phenol #	5.6				

* SPCCs # CCCs

Comments:

AFCEE FORM O-3A Page ____ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: EPA 8270C AAB #: 120302A-164436

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: YODA Date of Initial Calibration: 01-Mar-12

Initial Calibration ID: Y120301B Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	Std 9	RF 9
1,2,4-Trichlorobenzene	5.0	0.430	10.0	0.435	20.0	0.390	40.0	0.366	50.0	0.368	60.0	0.379	80.0	0.369	100.0	0.356		
1,2-DCB	5.0	2.049	10.0	2.061	20.0	1.868	40.0	1.714	50.0	1.746	60.0	1.797	80.0	1.691	100.0	1.681		
1,3-DCB	5.0	2.120	10.0	2.159	20.0	1.974	40.0	1.838	50.0	1.852	60.0	1.931	80.0	1.829	100.0	1.793		
2,4-DNT	5.0	0.530	10.0	0.575	20.0	0.550	40.0	0.524	50.0	0.518	60.0	0.557	80.0	0.530	100.0	0.499		
2,6-DNT	5.0	0.394	10.0	0.384	20.0	0.405	40.0	0.386	50.0	0.376	60.0	0.399	80.0	0.371	100.0	0.376		
2-Chloronaphthalene	5.0	1.657	10.0	1.634	20.0	1.488	40.0	1.361	50.0	1.384	60.0	1.412	80.0	1.323	100.0	1.312		
2-Methylnaphthalene	5.0	0.975	10.0	1.008	20.0	0.930	40.0	0.849	50.0	0.854	60.0	0.872	80.0	0.872	100.0	0.803		
2-Nitroaniline	5.0	0.548	10.0	0.571	20.0	0.552	40.0	0.534	50.0	0.547	60.0	0.543	80.0	0.560	100.0	0.545		
3-Nitroaniline	5.0	0.581	10.0	0.548	20.0	0.529	40.0	0.517	50.0	0.518	60.0	0.518	80.0	0.513	100.0	0.494		
3,3'-Dichlorobenzidine	5.0	0.418	10.0	0.432	20.0	0.450	40.0	0.441	50.0	0.445	60.0	0.433	80.0	0.426	100.0	0.400		
4-Bromophenyl phenyl ether	5.0	0.254	10.0	0.258	20.0	0.236	40.0	0.218	50.0	0.214	60.0	0.220	80.0	0.225	100.0	0.201		
4-Chloroaniline	5.0	0.488	10.0	0.522	20.0	0.512	40.0	0.465	50.0	0.467	60.0	0.481	80.0	0.426	100.0	0.416		
4-Chlorophenyl phenyl ether	5.0	0.804	10.0	0.896	20.0	0.816	40.0	0.746	50.0	0.754	60.0	0.748	80.0	0.770	100.0	0.670		
4-Nitroaniline	5.0	0.447	10.0	0.433	20.0	0.429	40.0	0.414	50.0	0.418	60.0	0.430	80.0	0.435	100.0	0.395		
Acenaphthylene	5.0	2.668	10.0	2.644	20.0	2.530	40.0	2.277	50.0	2.294	60.0	2.320	80.0	2.330	100.0	2.132		
Anthracene	5.0	1.592	10.0	1.565	20.0	1.425	40.0	1.299	50.0	1.302	60.0	1.292	80.0	1.306	100.0	1.166		
Benz (a) anthracene	5.0	1.370	10.0	1.401	20.0	1.304	40.0	1.221	50.0	1.240	60.0	1.284	80.0	1.199	100.0	1.237		
Benzo (b) fluoranthene	5.0	1.503	10.0	1.554	20.0	1.318	40.0	1.261	50.0	1.284	60.0	1.477	80.0		100.0			
Benzo (g,h,i) perylene	5.0	1.193	10.0	1.249	20.0	1.164	40.0	1.133	50.0	1.136	60.0	1.182	80.0	1.151	100.0	1.106		
Benzyl alcohol	5.0	1.360	10.0	1.426	20.0	1.338	40.0	1.257	50.0	1.271	60.0	1.335	80.0	1.280	100.0	1.252		
Bis (2-chloroethoxy) methane	5.0	0.537	10.0	0.532	20.0	0.506	40.0	0.473	50.0	0.468	60.0	0.478	80.0	0.478	100.0	0.447		
Bis (2-chloroethyl) ether	5.0	1.303	10.0	1.294	20.0	1.245	40.0	1.191	50.0	1.247	60.0	1.685	80.0	1.593	100.0	1.567		
Bis (2-chloroisopropyl) ether	5.0	3.014	10.0	2.993	20.0	2.736	40.0	2.470	50.0	2.475	60.0	2.569	80.0	2.401	100.0	2.302		
Bis (2-ethylhexyl) phthalate	5.0	1.103	10.0	1.137	20.0	1.051	40.0	1.000	50.0	1.009	60.0	1.016	80.0	0.937	100.0	0.895		
Butyl benzylphthalate	5.0	0.688	10.0	0.710	20.0	0.708	40.0	0.690	50.0	0.696	60.0	0.718	80.0	0.654	100.0	0.724		
Chrysene	5.0	1.560	10.0	1.505	20.0	1.365	40.0	1.252	50.0	1.296	60.0	1.270	80.0	1.318	100.0	1.232		
Di-n-butylphthalate	5.0	1.550	10.0	1.597	20.0	1.489	40.0	1.387	50.0	1.368	60.0	1.405	80.0	1.497	100.0	1.299		
Dibenz (a,h) anthracene	5.0	1.148	10.0	1.228	20.0	1.206	40.0	1.165	50.0	1.183	60.0	1.205	80.0	1.199	100.0	1.113		
Dibenzofuran	5.0	0.788	10.0	0.809	20.0	1.042	40.0	1.018	50.0	1.025	60.0	1.060	80.0	1.021	100.0	1.028		
Diethyl phthalate	5.0	1.809	10.0	1.789	20.0	1.684	40.0	1.543	50.0	1.553	60.0	1.605	80.0	1.585	100.0	1.527		
Dimethyl phthalate	5.0	1.800	10.0	1.802	20.0	1.693	40.0	1.544	50.0	1.551	60.0	1.642	80.0	1.568	100.0	1.562		
Fluorene	5.0	1.716	10.0	1.732	20.0	1.575	40.0	1.440	50.0	1.437	60.0	1.516	80.0	1.419	100.0	1.372		
Hexachlorobenzene	5.0	0.276	10.0	0.277	20.0	0.253	40.0	0.234	50.0	0.235	60.0	0.241	80.0	0.237	100.0	0.223		
Hexachloroethane	5.0	0.749	10.0	0.743	20.0	0.686	40.0	0.634	50.0	0.643	60.0	0.668	80.0	0.630	100.0	0.594		
Indeno (1,2,3-cd) pyrene	5.0	1.333	10.0	1.382	20.0	1.332	40.0	1.302	50.0	1.344	60.0	1.415	80.0	1.380	100.0	1.400		
Isophorone	5.0	0.867	10.0	0.892	20.0	0.819	40.0	0.774	50.0	0.783	60.0	0.813	80.0	0.797	100.0	0.776		
Naphthalene	5.0	1.525	10.0	1.520	20.0	1.382	40.0	1.277	50.0	1.271	60.0	1.323	80.0	1.221	100.0	1.212		
Nitrobenzene	5.0	0.488	10.0	0.507	20.0	0.463	40.0	0.436	50.0	0.439	60.0	0.451	80.0	0.433	100.0	0.437		
Phenanthrene	5.0	1.593	10.0	1.541	20.0	1.376	40.0	1.230	50.0	1.210	60.0	1.288	80.0	1.221	100.0	1.187		
Pyrene	5.0	1.692	10.0	1.736	20.0	1.640	40.0	1.511	50.0	1.535	60.0	1.521	80.0	1.523	100.0	1.443		
2,4,5-Trichlorophenol	5.0	0.510	10.0	0.508	20.0	0.485	40.0	0.467	50.0	0.475	60.0	0.489	80.0	0.452	100.0	0.439		
2,4-Dimethylphenol	5.0	0.482	10.0	0.482	20.0	0.449	40.0	0.418	50.0	0.415	60.0	0.440	80.0	0.416	100.0	0.408		
2-Chlorophenol	5.0	1.829	10.0	1.904	20.0	1.769	40.0	1.644	50.0	1.659	60.0	1.737	80.0	1.647	100.0	1.617		
2-Methylphenol	5.0	1.746	10.0	1.771	20.0	1.615	40.0	1.509	50.0	1.517	60.0	1.585	80.0	1.489	100.0	1.449		
4,6-Dinitro-2-methylphenol	5.0		10.0	0.147	20.0	0.168	40.0	0.171	50.0	0.178	60.0	0.186	80.0	0.189	100.0	0.178		
Benzoic acid	5.0	0.047	10.0	0.175	20.0	0.192	40.0	0.205	50.0	0.235	60.0	0.250	80.0	0.255	100.0	0.263		
2,4,6-Tribromophenol(S)	5.0	0.173	10.0	0.184	20.0	0.173	40.0	0.168	50.0	0.165	60.0	0.166	80.0	0.168	100.0	0.161		
2-Fluorobiphenyl(S)	5.0	1.590	10.0	1.615	20.0	1.439	40.0	1.352	50.0	1.321	60.0	1.338	80.0	1.321	100.0	1.220		
2-Fluorophenol (S)	5.0	1.584	10.0	1.594	20.0	1.463	40.0	1.431	50.0	1.385	60.0	1.455	80.0	1.391	100.0	1.349		
Nitrobenzene-D5(S)	5.0	0.410	10.0	0.415	20.0	0.382	40.0	0.374	50.0	0.360	60.0	0.373	80.0	0.369	100.0	0.353		
Phenol-D6 (S)	5.0	1.835	10.0	1.901	20.0	1.763	40.0	1.708	50.0	1.650	60.0	1.723	80.0	1.633	100.0	1.582		
Terphenyl-D14(S)	5.0	0.697	10.0	0.930	20.0	0.847	40.0	0.819	50.0	0.788	60.0	0.824	80.0	0.805	100.0	0.775		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: EPA 8270C
AAB #: 120302A-164436
Lab Name: APPL, Inc.
Contract #: *G012
Instrument ID: YODA
Date of Initial Calibration: 01-Mar-12
Initial Calibration ID: Y120301B
Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
1,2,4-Trichlorobenzene	7.8				
1,2-DCB	8.6				
1,3-DCB	7.1				
2,4-DNT	4.5				
2,6-DNT	3.1				
2-Chloronaphthalene	9.4				
2-Methylnaphthalene	7.8				
2-Nitroaniline	1.9				
3-Nitroaniline	5.0				
3,3'-Dichlorobenzidine	3.7				
4-Bromophenyl phenyl ether	8.6				
4-Chloroaniline	7.9				
4-Chlorophenyl phenyl ether	10.1				
4-Nitroaniline	3.7				
Acenaphthylene	8.0				
Anthracene	10.8				
Benz (a) anthracene	5.7				
Benzo (b) fluoranthene	9.0				
Benzo (g,h,i) perylene	3.8				
Benzyl alcohol	4.6				
Bis (2-chloroethoxy) methane	6.5				
Bis (2-chloroethyl) ether	13.8				
Bis (2-chloroisopropyl) ether	10.2				
Bis (2-ethylhexyl) phthalate	6.2				
Butyl benzylphthalate	3.2				
Chrysene	9.0				
Di-n-butylphthalate	7.0				
Dibenz (a,h) anthracene	3.2				
Dibenzofuran	11.2				
Diethyl phthalate	6.7				
Dimethyl phthalate	6.6				
Fluorene	9.0				
Hexachlorobenzene	8.1				
Hexachloroethane	8.3				
Indeno (1,2,3-cd) pyrene	2.9				
Isophorone	5.3				
Naphthalene	9.3				
Nitrobenzene	6.0				
Phenanthrene	11.9				
Pyrene	6.5				
2,4,5-Trichlorophenol	5.3				
2,4-Dimethylphenol	6.8				
2-Chlorophenol	5.9				
2-Methylphenol	7.5				
4,6-Dinitro-2-methylphenol	8.1				
Benzoic acid	34.8		0.998		
2,4,6-Tribromophenol(S)	4.0				
2-Fluorobiphenyl(S)	9.9				
2-Fluorophenol (S)	6.2				
Nitrobenzene-D5(S)	5.8				
Phenol-D6 (S)	6.2				

*SPCCs #CCCs

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: EPA 8270C

AAB #: 120302A-164436

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: YODA

Date of Initial Calibration: 01-Mar-12

Initial Calibration ID: Y120301B

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
Terphenyl-D14(S)	6.4				

Comments:

*SPCCs #CCCs

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method: EPA 8270C
AAB #: 120302A-164436
Lab Name: APPL, Inc.
Contract #: *G012
Instrument ID: YODA
Initial Calibration ID: Y120301B
2nd Source ID: 0301Y010.D
Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Expected	Found	%D	Q
1,2,4-Trichlorobenzene	50.00	49.29	1.4	
1,2-DCB	50.00	47.41	5.2	
1,3-DCB	50.00	48.23	3.5	
1,4-DCB	50.00	47.40	5.2	
2,4-DNT	50.00	49.37	1.3	
2,6-DNT	50.00	48.74	2.5	
2-Chloronaphthalene	50.00	48.13	3.7	
2-Methylnaphthalene	50.00	48.66	2.7	
2-Nitroaniline	50.00	50.65	1.3	
3-Nitroaniline	50.00	49.56	0.9	
3,3'-Dichlorobenzidine	50.00	52.56	5.1	
4-Bromophenyl phenyl eth	50.00	48.19	3.6	
4-Chloroaniline	50.00	51.34	2.7	
4-Chlorophenyl phenyl eth	50.00	47.38	5.2	
4-Nitroaniline	50.00	51.13	2.3	
Acenaphthylene	50.00	48.72	2.6	
Acenaphthene	50.00	47.99	4.0	
Anthracene	50.00	48.70	2.6	
Benz (a) anthracene	50.00	49.31	1.4	
Benzo (a) pyrene	50.00	50.29	0.6	
Benzo (b) fluoranthene	50.00	54.60	9.2	
Benzo (g,h,i) perylene	50.00	48.77	2.5	
Benzyl alcohol	50.00	48.30	3.4	
Bis (2-chloroethoxy) metha	50.00	50.14	0.3	
Bis (2-chloroethyl) ether	50.00	44.34	11	
Bis (2-chloroisopropyl) eth	50.00	47.19	5.6	
Bis (2-ethylhexyl) phthalate	50.00	50.38	0.8	
Butyl benzylphthalate	50.00	51.40	2.8	
Chrysene	50.00	48.67	2.7	
Di-n-butylphthalate	50.00	48.68	2.6	
Di-n-octylphthalate	50.00	50.55	1.1	
Dibenz (a,h) anthracene	50.00	51.94	3.9	
Dibenzofuran	50.00	54.56	9.1	
Diethyl phthalate	50.00	48.90	2.2	
Dimethyl phthalate	50.00	48.25	3.5	
Fluoranthene	50.00	49.58	0.8	
Fluorene	50.00	48.60	2.8	
Hexachlorobenzene	50.00	49.19	1.6	
Hexachlorobutadiene	50.00	47.81	4.4	
Hexachlorocyclopentadiene	50.00	52.38	4.8	
Hexachloroethane	50.00	48.39	3.2	
Indeno (1,2,3-cd) pyrene	50.00	51.42	2.8	
Isophorone	50.00	49.33	1.3	
n-Nitrosodiphenylamine	50.00	49.06	1.9	
n-Nitrosodi-n-propylamine	50.00	47.41	5.2	
Naphthalene	50.00	49.46	1.1	

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method: EPA 8270C

AAB #: 120302A-164436

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: YODA

Initial Calibration ID: Y120301B

2nd Source ID: 0301Y010.D

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Expected	Found	%D	Q
Nitrobenzene	50.00	49.50	1.0	
Phenanthrene	50.00	47.03	5.9	
Pyrene	50.00	48.42	3.2	
2,4,5-Trichlorophenol	50.00	51.05	2.1	
2,4,6-Trichlorophenol	50.00	50.07	0.1	
2,4-Dichlorophenol	50.00	49.66	0.7	
2,4-Dimethylphenol	50.00	49.23	1.5	
2,4-Dinitrophenol	50.00	52.81	5.6	
2-Chlorophenol	50.00	47.96	4.1	
2-Methylphenol	50.00	47.56	4.9	
2-Nitrophenol	50.00	50.76	1.5	
4,6-Dinitro-2-methylpheno	50.00	54.35	8.7	
4-Chloro-3-methylphenol	50.00	49.79	0.4	
4-Nitrophenol	50.00	53.39	6.8	
Benzoic acid	50.00	40.37	19	
Pentachlorophenol	50.00	56.49	13	
Phenol	50.00	47.50	5.0	

Comments:

AFCEE FORM O-4 Page ___ of _____

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION-GC/MS ANALYSIS

Analytical Method: EPA 8270C AAB #: 120302A-164436

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: YODA Initial Calibration ID: Y120301B

ICV ID: 0302Y002.D CCV #1 ID: CCV #2 ID:

Analyte	ICV		CCV #1		CCV #2		
	RF	% D	RF	% D	RF	% D	Q
Hexachlorocyclopentadiene *	0.277618	4.1					
n-Nitrosodi-n-propylamine *	1.28767	8.5					
2,4-Dinitrophenol *	0.174268	12					
4-Nitrophenol *	0.141963	9.5					
1,4-DCB #	1.84758	7.1					
Acenaphthene #	1.33139	6.4					
Benzo (a) pyrene #	1.22371	3.0					
Di-n-octylphthalate #	1.64292	1.1					
Fluoranthene #	1.27834	5.9					
Hexachlorobutadiene #	0.184346	5.8					
n-Nitrosodiphenylamine #	0.419342	12					
2,4,6-Trichlorophenol #	0.422489	5.0					
2,4-Dichlorophenol #	0.342202	4.1					
2-Nitrophenol #	0.243293	3.9					
4-Chloro-3-methylphenol #	0.366309	3.5					
Pentachlorophenol #	0.144587	5.5					
Phenol #	2.16046	7.3					

* SPCCs # CCCs

Comments:

AFCEE FORM O-5A Page ___ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: EPA 8270C AAB #: 120302A-164436

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: YODA Initial Calibration ID: Y120301B

ICV ID: 0302Y002.D CCV #1 ID: CCV #2 ID:

Analyte	ICV %D or % drift	CCV#1 %D or % drift	CCV#2 %D or % drift	Q
1,2,4-Trichlorobenzene	5.7			
1,2-DCB	7.4			
1,3-DCB	7.3			
2,4-DNT	5.9			
2,6-DNT	4.5			
2-Chloronaphthalene	6.8			
2-Methylnaphthalene	6.2			
2-Nitroaniline	2.7			
3-Nitroaniline	3.2			
3,3'-Dichlorobenzidine	1.0			
4-Bromophenyl phenyl ether	7.1			
4-Chloroaniline	3.8			
4-Chlorophenyl phenyl ether	7.1			
4-Nitroaniline	6.2			
Acenaphthylene	6.2			
Anthracene	7.2			
Benz (a) anthracene	4.6			
Benzo (k) fluoranthene	2.0			
Benzo (b) fluoranthene	11			
Benzo (g,h,i) perylene	1.9			
Benzyl alcohol	7.3			
Bis (2-chloroethoxy) methane	3.5			
Bis (2-chloroethyl) ether	14			
Bis (2-chloroisopropyl) ether	6.6			
Bis (2-ethylhexyl) phthalate	6.7			
Butyl benzylphthalate	0.0			
Chrysene	5.6			
Di-n-butylphthalate	4.4			
Dibenz (a,h) anthracene	2.3			
Dibenzofuran	1.7			
Diethyl phthalate	7.3			
Dimethyl phthalate	6.8			
Fluorene	7.3			
Hexachlorobenzene	5.3			
Hexachloroethane	7.1			
Indeno (1,2,3-cd) pyrene	1.8			
Isophorone	4.2			
Naphthalene	5.0			

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: EPA 8270C

AAB #: 120302A-164436

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: YODA

Initial Calibration ID: Y120301B

ICV ID: 0302Y002.D

CCV #1 ID:

CCV #2 ID:

Analyte	ICV %D or % drift	CCV#1 %D or % drift	CCV#2 %D or % drift	Q
Nitrobenzene	2.8			
Phenanthrene	12			
Pyrene	3.4			
2,4,5-Trichlorophenol	3.6			
2,4-Dimethylphenol	5.8			
2-Chlorophenol	7.4			
2-Methylphenol	8.7			
4,6-Dinitro-2-methylphenol	3.5			
Benzoic acid	18			

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8270C
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: Y120301B

AAB #: 120302A-164436
Contract #: *G012
Method Blank ID: 120302A-BLK 1/30.006 LF 2/7/12

Analyte	Method Blank	RL	Q
1,2,4-TRICHLOROBENZENE	< RL	0.7	U
1,2-DCB	< RL	0.7	U
1,3-DCB	< RL	0.7	U
1,4-DCB	< RL	0.7	U
2,4,5-TRICHLOROPHENOL	< RL	3.3	U
2,4,6-TRICHLOROPHENOL	< RL	0.3	U
2,4-DICHLOROPHENOL	< RL	0.3	U
2,4-DIMETHYLPHENOL	< RL	0.3	U
2,4-DINITROPHENOL	< RL	3.3	U
2,4-DNT	< RL	0.7	U
2,6-DNT	< RL	0.7	U
2-CHLORONAPHTHALENE	< RL	0.7	U
2-CHLOROPHENOL	< RL	0.3	U
2-METHYLNAPHTHALENE	< RL	0.7	U
2-METHYLPHENOL	< RL	0.3	U
2-NITROANILINE	< RL	3.3	U
2-NITROPHENOL	< RL	0.3	U
3,3'-DICHLOROBENZIDINE	< RL	1.3	U
3-NITROANILINE	< RL	3.3	U
4,6-DINITRO-2-METHYLPHENOL	< RL	3.3	U
4-BROMOPHENYL PHENYL ETHER	< RL	0.7	U
4-CHLORO-3-METHYLPHENOL	< RL	1.3	U
4-CHLOROANILINE	< RL	1.3	U
4-CHLOROPHENYL PHENYL ETHER	< RL	0.7	U
4-METHYLPHENOL	< RL	0.3	U
4-NITROANILINE	< RL	3.3	U
4-NITROPHENOL	< RL	1.6	U
ACENAPHTHENE	< RL	0.7	U
ACENAPHTHYLENE	< RL	0.7	U
ANTHRACENE	< RL	0.7	U
BENZ (A) ANTHRACENE	< RL	0.7	U
BENZO (A) PYRENE	< RL	0.7	U
BENZO (B) FLUORANTHENE	< RL	0.7	U
BENZO (G,H,I) PERYLENE	< RL	0.7	U
BENZOIC ACID	< RL	1.6	U
BENZYL ALCOHOL	< RL	1.3	U
BIS (2-CHLOROETHOXY) METHANE	< RL	0.7	U
BIS (2-CHLOROETHYL) ETHER	< RL	0.7	U
BIS (2-CHLOROISOPROPYL) ETHER	< RL	0.7	U
BIS (2-ETHYLHEXYL) PHTHALATE	< RL	0.7	U
BUTYLBENZYLPHTHALATE	< RL	0.7	U

Comments: ARF: 67099, Sample: AY56027

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8270C
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: Y120301B

AAB #: 120302A-164436
Contract #: *G012
Method Blank ID: 120302A-BLK 1/30.004 1/7/12

Analyte	Method Blank	RL	Q
CHRYSENE	< RL	0.7	U
DI-N-BUTYLPHTHALATE	< RL	0.7	U
DI-N-OCTYLPHTHALATE	< RL	0.7	U
DIBENZ (A,H) ANTHRACENE	< RL	0.7	U
DIBENZOFURAN	< RL	0.7	U
DIETHYL PHTHALATE	< RL	0.7	U
DIMETHYLPHTHALATE	< RL	0.7	U
FLUORANTHENE	< RL	0.7	U
FLUORENE	< RL	0.7	U
HEXACHLOROBENZENE	< RL	0.7	U
HEXACHLOROBUTADIENE	< RL	0.7	U
HEXACHLOROCYCLOPENTADIENE	< RL	0.7	U
HEXACHLOROETHANE	< RL	0.7	U
INDENO (1,2,3-CD) PYRENE	< RL	0.7	U
ISOPHORONE	< RL	0.7	U
N-NITROSODI-N-PROPYLAMINE	< RL	0.7	U
N-NITROSODIPHENYLAMINE	< RL	0.7	U
NAPHTHALENE	< RL	0.7	U
NITROBENZENE	< RL	0.7	U
PENTACHLOROPHENOL	< RL	3.3	U
PHENANTHRENE	< RL	0.7	U
PHENOL	< RL	0.3	U
PYRENE	< RL	0.7	U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHEN	68.5	25-144	
SURROGATE: 2-FLUORBIPHENYL (S	62.8	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	61.0	25-135	
SURROGATE: NITROBENZENE-D5 (S	65.3	25-135	
SURROGATE: PHENOL (S)	69.1	25-135	
SURROGATE: TERPHENYL-D14 (S)	83.9	32-136	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
ACENAPTHTHENE-D10 (IS)	
CHRYSENE-D12 (IS)	
NAPHTHALENE-D8 (IS)	
PERYLENE-D12 (IS)	
PHENANTHRENE-D10 (IS)	

Comments: ARF: 67099, Sample: AY56027

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8270C
AAB #: 120302A-164436

Lab Name: APPL, Inc
Contract #: *G012

LCS ID: 120302A LCS-1 1/30.00 G LF 2/7/12
Initial Calibration ID: Y120301B

Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
1,2,4-TRICHLOROBENZENE	1.67	1.00	59.9	34-152	
1,2-DCB	1.67	0.95	56.9	32-135	
1,3-DCB	1.67	0.94	56.3	26-135	
1,4-DCB	1.67	0.92	55.1	25-135	
2,4,5-TRICHLOROPHENOL	1.67	1.05	62.9	25-175	
2,4,6-TRICHLOROPHENOL	1.67	1.05	62.9	29-138	
2,4-DICHLOROPHENOL	1.67	1.05	62.9	36-135	
2,4-DIMETHYLPHENOL	1.67	0.99	59.3	35-149	
2,4-DINITROPHENOL	1.67	0.92	55.1	25-161	
2,4-DNT	1.67	1.06	63.5	29-149	
2,6-DNT	1.67	1.09	65.3	41-135	
2-CHLORONAPHTHALENE	1.67	1.04	62.3	50-135	
2-CHLOROPHENOL	1.67	0.99	59.3	31-135	
2-METHYLNAPHTHALENE	1.67	1.08	64.7	31-135	
2-METHYLPHENOL	1.67	0.99	59.3	25-135	
2-NITROANILINE	1.67	1.08	64.7	40-135	
2-NITROPHENOL	1.67	1.04	62.3	34-135	
3,3'-DICHLOROBENZIDINE	1.67	0.93	55.7	25-175	
3-NITROANILINE	1.67	1.00	59.9	41-135	
4,6-DINITRO-2-METHYLPHENOL	1.67	1.04	62.3	25-144	
4-BROMOPHENYL PHENYL ETHER	1.67	1.10	65.9	43-137	
4-CHLORO-3-METHYLPHENOL	1.67	1.05	62.9	34-135	
4-CHLOROANILINE	1.67	0.98	58.7	35-146	
4-CHLOROPHENYL PHENYL ETHER	1.67	1.10	65.9	41-142	
4-METHYLPHENOL	3.33	2.02	60.7	25-135	
4-NITROANILINE	1.67	0.99	59.3	30-153	
4-NITROPHENOL	1.67	1.05	62.9	25-141	
ACENAPHTHENE	1.67	1.05	62.9	39-135	
ACENAPHTHYLENE	1.67	1.04	62.3	37-135	
ANTHRACENE	1.67	1.04	62.3	35-175	
BENZ (A) ANTHRACENE	1.67	1.08	64.7	41-143	
BENZO (A) PYRENE	1.67	1.09	65.3	31-135	
BENZO (B) FLUORANTHENE	1.67	1.05	62.9	27-135	
BENZO (G,H,I) PERYLENE	1.67	1.13	67.7	25-159	
BENZOIC ACID	1.67	0.64	38.3	25-172	
BENZYL ALCOHOL	1.67	0.92	55.1	25-135	
BIS (2-CHLOROETHOXY) METHANE	1.67	1.05	62.9	39-135	
BIS (2-CHLOROETHYL) ETHER	1.67	1.22	73.1	34-135	
BIS (2-CHLOROISOPROPYL) ETHER	1.67	1.03	61.7	26-175	
BIS (2-ETHYLHEXYL) PHTHALATE	1.67	1.07	64.1	25-139	

Comments: ARF: 67099, QC Sample ID: AY56027

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8270C
AAB #: 120302A-164436
Lab Name: APPL, Inc
Contract #: *G012
LCS ID: 120302A LCS-1 1130.0026 VF3/11/12
Initial Calibration ID: Y120301B
Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
BUTYLBENZYLPHTHALATE	1.67	1.08	64.7	25-135	
CHRYSENE	1.67	1.03	61.7	45-143	
DI-N-BUTYLPHTHALATE	1.67	1.12	67.1	25-136	
DI-N-OCTYLPHTHALATE	1.67	1.08	64.7	28-137	
DIBENZ (A,H) ANTHRACENE	1.67	1.11	66.5	40-135	
DIBENZOFURAN	1.67	1.14	68.3	42-135	
DIETHYL PHTHALATE	1.67	1.09	65.3	27-135	
DIMETHYLPHTHALATE	1.67	1.08	64.7	25-175	
FLUORANTHENE	1.67	1.10	65.9	37-135	
FLUORENE	1.67	1.07	64.1	38-149	
HEXACHLOROBENZENE	1.67	1.06	63.5	36-143	
HEXACHLOROBUTADIENE	1.67	1.00	59.9	25-135	
HEXACHLOROCYCLOPENTADIENE	1.67	0.88	52.7	31-135	
HEXACHLOROETHANE	1.67	0.93	55.7	25-163	
INDENO (1,2,3-CD) PYRENE	1.67	1.07	64.1	25-170	
ISOPHORONE	1.67	1.06	63.5	25-175	
N-NITROSODI-N-PROPYLAMINE	1.67	1.04	62.3	27-135	
N-NITROSODIPHENYLAMINE	1.67	1.07	64.1	25-135	
NAPHTHALENE	1.67	1.02	61.1	40-135	
NITROBENZENE	1.67	1.03	61.7	36-143	
PENTACHLOROPHENOL	1.67	1.21	72.5	38-146	
PHENANTHRENE	1.67	1.06	63.5	44-135	
PHENOL	1.67	1.01	60.5	25-135	
PYRENE	1.67	1.05	62.9	37-146	

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 2,4,6-TRIBROMOPHENOL	73.0	25-144	
SURROGATE: 2-FLUORBIPHENYL (S)	67.6	34-135	
SURROGATE: 2-FLUOROPHENOL (S)	61.6	25-135	
SURROGATE: NITROBENZENE-D5 (S)	67.9	25-135	
SURROGATE: PHENOL (S)	68.5	25-135	
SURROGATE: TERPHENYL-D14 (S)	83.8	32-136	

Comments: ARF: 67099, QC Sample ID: AY56027

AFCEE
ORGANIC ANALYSES DATA SHEET 9
HOLDING TIMES

Analytical Method: EPA 8270C

AAB#: 120302A-164436

Lab Name: APPL, Inc

Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time Ext	Time Held Ext	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
B4-NT1-SW1	29-Feb-12	01-Mar-12	02-Mar-12	14	2	02-Mar-12	40	0	

Comments: ARF: 67099

AFCEE
ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: EPA 8270C

Lab Name: APPL, Inc. Contract #: *G012 (F 2/11/12

Instrument ID #: YODA ICAL ID: Y120301B

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
SV TUNE 02-28-12	01-Mar-12	18:36	01-Mar-12	18:46
5.0 ug/mL SVOC 03-01-12	01-Mar-12	18:54	01-Mar-12	19:12
10 ug/mL SVOC	01-Mar-12	19:20	01-Mar-12	19:38
20 ug/mL SVOC	01-Mar-12	19:46	01-Mar-12	20:04
40 ug/mL SVOC	01-Mar-12	20:12	01-Mar-12	20:29
50 ug/mL SVOC	01-Mar-12	20:37	01-Mar-12	20:55
60 ug/mL SVOC	01-Mar-12	21:03	01-Mar-12	21:21
80 ug/mL SVOC	01-Mar-12	21:29	01-Mar-12	21:47
100 ug/mL SVOC	01-Mar-12	21:54	01-Mar-12	22:12
50 ug/mL SVOC SS 03-01-12	01-Mar-12	22:20	01-Mar-12	22:38
SV TUNE 02-28-12	02-Mar-12	17:44	02-Mar-12	17:54
50 ug/mL SVOC 03-01-12	02-Mar-12	18:02	02-Mar-12	18:20
120302A BLK 1/30.00G	02-Mar-12	19:20	02-Mar-12	19:37
120302A LCS-1 1/30.00G	02-Mar-12	19:45	02-Mar-12	20:03
AY56027S02 1/33.44G	02-Mar-12	22:19	02-Mar-12	22:37

Comments:

AFCEE FORM O-10 Page ___ of _____

AFCEE

Injection Log

Directory: M:\YODA\DATA\Y120301B\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0301Y001.D	1	SV TUNE 02-28-12		1 Mar 12 18:36
2	2	0301Y002.D	1	5.0 ug/mL SVOC 03-01-12		1 Mar 12 18:54
3	3	0301Y003.D	1	10 ug/mL SVOC		1 Mar 12 19:20
4	4	0301Y004.D	1	20 ug/mL SVOC		1 Mar 12 19:46
5	5	0301Y005.D	1	40 ug/mL SVOC		1 Mar 12 20:12
6	6	0301Y006.D	1	50 ug/mL SVOC		1 Mar 12 20:37
7	7	0301Y007.D	1	60 ug/mL SVOC		1 Mar 12 21:03
8	8	0301Y008.D	1	80 ug/mL SVOC		1 Mar 12 21:29
9	9	0301Y009.D	1	100 ug/mL SVOC		1 Mar 12 21:54
10	10	0301Y010.D	1	50 ug/mL SVOC SS 03-01-12		1 Mar 12 22:20
11	1	0302Y001.D	1	SV TUNE 02-28-12		2 Mar 12 17:44
12	2	0302Y002.D	1	50 ug/mL SVOC 03-01-12		2 Mar 12 18:02
13	5	0302Y005.D	33.3333	120302A BLK 1/30.00G		2 Mar 12 19:20
14	6	0302Y006.D	33.3333	120302A LCS-1 1/30.00G		2 Mar 12 19:45
15	12	0302Y012.D	29.9043	AY56027S02 1/33.44G		2 Mar 12 22:19

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: EPA 8270C

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: YODA Compound: DFTPP Injection Date/Time: 1 Mar 12 18:36

Initial Calibration ID: Y120301B

Mass	Ion Abundance Criteria	% Relative Abundance	Q
51	30 - 60.04% of mass 198	37.4	PASS
68	0 - 2% of mass 69	0.0	PASS
70	0 - 2% of mass 69	0.5	PASS
127	40 - 60% of mass 198	46.9	PASS
197	0 - 1% of mass 198	0.0	PASS
198	100 - 100% of mass 198	100.0	PASS
199	5 - 9% of mass 198	6.6	PASS
275	10 - 30% of mass 198	22.6	PASS
365	1 - 100% of mass 198	2.2	PASS
441	0.01 - 100% of mass 443	79.9	PASS
442	40 - 150% of mass 198	74.3	PASS
443	17 - 23% of mass 442	18.9	PASS

AFCEE FORM O-11 Page ___ of _____

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: EPA 8270C

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: YODA Compound: DFTPP Injection Date/Time: 2 Mar 12 17:44

Initial Calibration ID: Y120301B

Mass	Ion Abundance Criteria	% Relative Abundance	Q
51	30 - 60.04% of mass 198	46.9	PASS
68	0 - 2% of mass 69	1.6	PASS
70	0 - 2% of mass 69	0.4	PASS
127	40 - 60% of mass 198	48.3	PASS
197	0 - 1% of mass 198	0.0	PASS
198	100 - 100% of mass 198	100.0	PASS
199	5 - 9% of mass 198	6.7	PASS
275	10 - 30% of mass 198	26.3	PASS
365	1 - 100% of mass 198	3.3	PASS
441	0.01 - 100% of mass 443	77.6	PASS
442	40 - 150% of mass 198	96.9	PASS
443	17 - 23% of mass 442	19.9	PASS

AFCEE FORM O-11 Page ___ of _____

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: *G012

Lab Code: SDG No.: 67099

Lab File ID (Standard): 0301Y006.D Date Analyzed: 1 Mar 12 20:37

Instrument ID: YODA Time Analyzed: 1 Mar 12 20:37

GC Column: ID: Heated Purge: (Y/N)

		1,4-dichlorobenzene-D4(IS)		Napthalene-D8(IS)		Acenaphthene-D10(IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	377888	4.57	1425320	5.95	790452	7.95
	UPPER LIMIT	755776	5.07	2850640	6.45	1580904	8.45
	LOWER LIMIT	188944	4.07	712660	5.45	395226	7.45
	SAMPLE NO.						
01	120302A BLK 1/30.00G	369900	4.56	1403140	5.95	784561	7.95
02	120302A LCS-1 1/30.00	403529	4.57	1518610	5.95	841049	7.95
03	AY56027S02 1/33.44G	389068	4.57	1493460	5.94	837198	7.95
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: *G012

Lab Code: SDG No.: 67099

Lab File ID (Standard): 0301Y006.D Date Analyzed: 1 Mar 12 20:37

Instrument ID: YODA Time Analyzed: 1 Mar 12 20:37

GC Column: ID: Heated Purge: (Y/N)

		Phenanthrene-D10(IS)		Chrysene-D12(IS)		Perylene-D12(IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1457150	9.68	1307990	12.76	1280470	14.33
	UPPER LIMIT	2914300	10.18	2615980	13.26	2560940	14.83
	LOWER LIMIT	728575	9.18	653995	12.26	640235	13.83
	SAMPLE NO.						
01	120302A BLK 1/30.00G	1393520	9.67	1315180	12.75	1178700	14.32
02	120302A LCS-1 1/30.00	1520870	9.67	1394980	12.76	1343340	14.32
03	AY56027S02 1/33.44G	1498270	9.66	1387990	12.75	1257190	14.31
04							
05							
06							
07							
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20							
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22							

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

EPA METHOD 8270C
Semivolatile Organic Compounds
Calibration Data

Data File : M:\YODA\DATA\Y120301B\0301Y002.D Vial: 2
Acq On : 1 Mar 12 18:54 Operator: LF
Sample : 5.0 ug/mL SVOC 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:44 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:37:15 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	393082	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1506406	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	824381	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1446785	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.75	240	1306076	40.00000 ppb	-0.01
86) Perylene-D12(IS)	14.31	264	1288127	40.00000 ppb	-0.01
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.24	112	155640	10.87519 ppb	0.00
Spiked Amount 200.000			Recovery =	5.438%	
5) Phenol-D6 (S)	4.23	99	180362	10.64318 ppb	0.00
Spiked Amount 200.000			Recovery =	5.322%	
21) Nitrobenzene-D5(S)	5.17	82	77224	5.41080 ppb	-0.01
Spiked Amount 100.000			Recovery =	5.411%	
44) 2-Fluorobiphenyl(S)	7.19	172	163854	5.68074 ppb	-0.01
Spiked Amount 100.000			Recovery =	5.681%	
61) 2,4,6-Tribromophenol(S)	8.87	330	35587	10.17573 ppb	-0.02
Spiked Amount 200.000			Recovery =	5.088%	
78) Terphenyl-D14(S)	11.55	244	146441	5.36641 ppb	0.00
Spiked Amount 100.000			Recovery =	5.366%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.95	42	74938	8.62369 ppb #	50
6) Phenol	4.24	94	121773	5.31509 ppb	82
7) Aniline	4.31	93	101768	5.71072 ppb #	96
8) Bis (2-chloroethyl) ether	4.31	63	64044	4.68672 ppb	97
9) 2-Chlorophenol	4.36	128	89857	5.29842 ppb	96
10) 1,3-DCB	4.50	146	104166	5.47236 ppb	99
11) 1,4-DCB	4.58	146	110414	5.64867 ppb	96
12) Benzyl alcohol	4.75	79	66800	5.16989 ppb	99
13) 1,2-DCB	4.74	146	100661	5.61798 ppb	99
14) 2-Methylphenol	4.88	108	85788	5.50767 ppb	98
15) Bis (2-chloroisopropyl) et	4.88	45	148073	5.75130 ppb	96
16) Acetophenone	5.01	105	121141	5.41755 ppb	99
17) 3&4-Methylphenol	5.04	107	189500	10.73406 ppb	92
18) n-Nitrosodi-n-propylamine	5.01	43	77230	6.10226 ppb	83
19) Hexachloroethane	5.09	117	36806	5.60446 ppb	98
22) Nitrobenzene	5.19	77	91950	5.35411 ppb	98
23) Isophorone	5.46	82	163333	5.32886 ppb	90
24) 2-Nitrophenol	5.54	139	47673	5.00568 ppb	99
25) 2,4-Dimethylphenol	5.62	107	90735	5.50220 ppb	95
26) Benzoic acid	5.84	105	8850	1.32012 ppb	89
27) Bis (2-chloroethoxy) metha	5.71	93	101034	5.48534 ppb	97
28) 2,4-Dichlorophenol	5.82	162	69818	5.20399 ppb	98
29) 1,2,4-Trichlorobenzene	5.89	180	80979	5.56878 ppb	99
30) Naphthalene	5.97	128	287250	5.69536 ppb	99
31) 4-Chloroaniline	6.06	127	91912	5.17773 ppb	95
32) 2,6-Dichlorophenol	6.06	162	75518	5.75846 ppb	97
33) Hexachloropropene	6.06	213	40681	5.04537 ppb	98
34) Hexachlorobutadiene	6.11	225	41040	5.57452 ppb	99
35) Caprolactum	6.46	113	28279	5.19833 ppb	95
36) 4-Chloro-3-methylphenol	6.65	107	71881	5.03540 ppb	96
37) 2-Methylnaphthalene	6.76	142	183661	5.45553 ppb	97
39) Hexachlorocyclopentadiene	6.93	237	14571	2.60921 ppb	99

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

Data File : M:\YODA\DATA\Y120301B\0301Y002.D Vial: 2
Acq On : 1 Mar 12 18:54 Operator: LF
Sample : 5.0 ug/mL SVOC 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:44 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:37:15 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

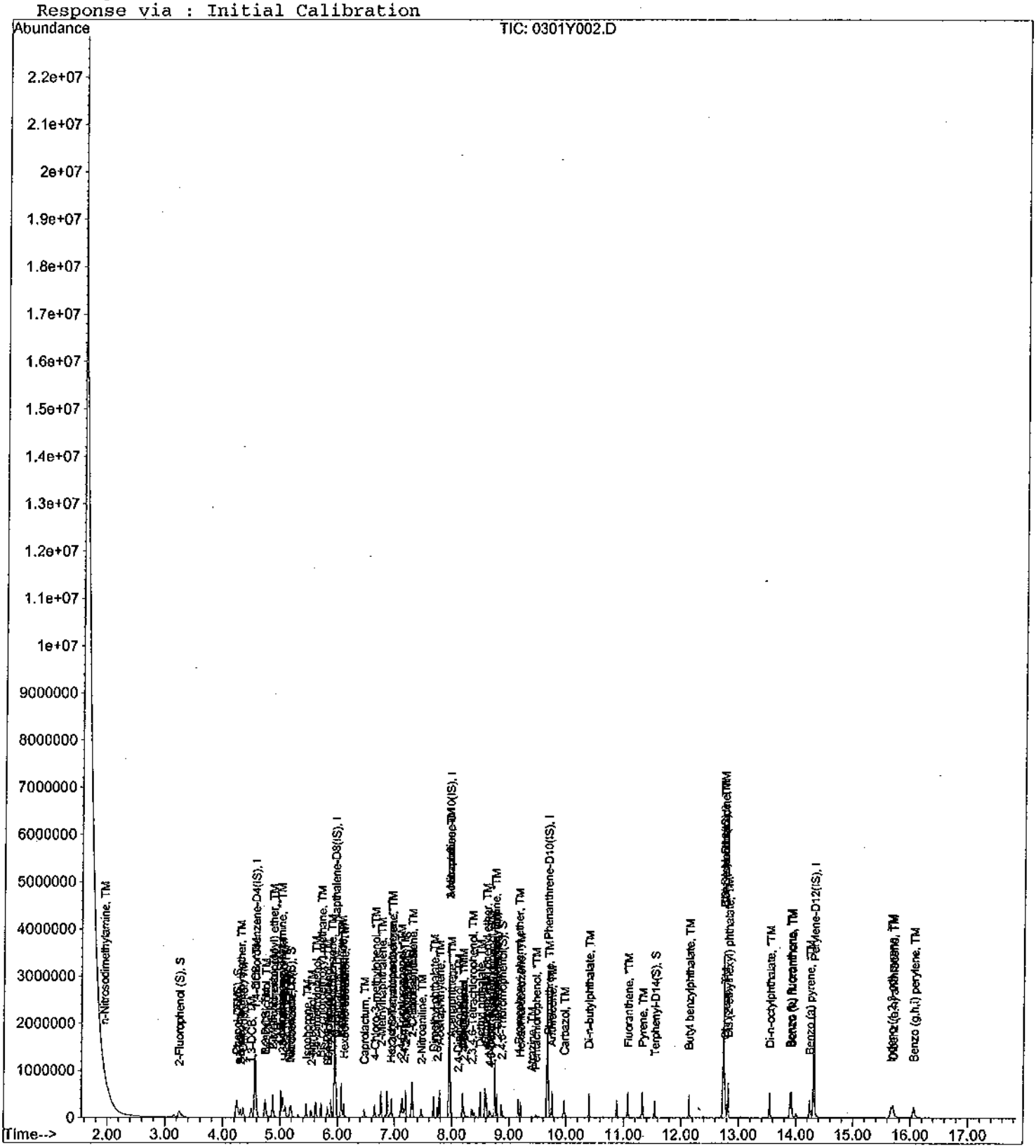
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	1,2,4,5-Tetrachlorobenzene	6.95	216	76383	5.67391	ppb		91
41)	2,4,6-Trichlorophenol	7.10	196	46662	5.08942	ppb		95
42)	2,4,5-Trichlorophenol	7.16	196	52564	5.36445	ppb		95
43)	2-Chloronaphthalene	7.31	162	170712	5.73721	ppb		98
45)	1,1'-Biphenyl	7.30	154	223595	5.83589	ppb		99
46)	2-Nitroaniline	7.46	138	56423	4.98761	ppb		99
47)	Dimethyl phthalate	7.68	163	185518	5.47105	ppb		95
48)	2,6-DNT	7.75	165	40590	5.08008	ppb	#	80
49)	Acenaphthylene	7.78	152	274925	5.55954	ppb		100
50)	3-Nitroaniline	7.95	65	59841	5.51041	ppb		95
51)	Acenaphthene	7.98	154	170151	5.80669	ppb		99
52)	2,4-Dinitrophenol	8.11	184	1274	7.29158	ppb	#	55
53)	4-Nitrophenol	8.18	109	688	0.24169	ppb	#	1
54)	Dibenzofuran	8.19	139	81160	4.04429	ppb		78
55)	2,4-DNT	8.21	165	54564	4.94419	ppb		84
56)	2,3,4,6-Tetrachlorophenol	8.36	232	34786	4.76173	ppb		99
57)	Diethyl phthalate	8.50	149	186438	5.53472	ppb		99
58)	4-Chlorophenyl phenyl ethe	8.60	204	93202	5.73780	ppb		92
59)	Fluorene	8.58	165	176861	5.62365	ppb		99
60)	4-Nitroaniline	8.65	138	46045	5.25589	ppb		99
63)	Diphenyl amine	8.75	168	187840	5.79140	ppb		99
64)	4,6-Dinitro-2-methylphenol	8.68	198	18478	3.10063	ppb		87
65)	n-Nitrosodiphenylamine	8.75	167	100712	5.84981	ppb		100
66)	1,2-Diphenylhydrazine	8.78	182	56647	5.72893	ppb		79
67)	4-Bromophenyl phenyl ether	9.16	248	45954	5.56999	ppb		99
68)	Hexachlorobenzene	9.21	284	49919	5.59221	ppb		98
69)	Atrazine	9.40	200	3624	2.47981	ppb		93
70)	Pentachlorophenol	9.47	266	18890	3.86931	ppb		92
71)	Phenanthrene	9.69	178	288113	5.99120	ppb		100
72)	Anthracene	9.75	178	287873	5.82163	ppb		99
73)	Carbazol	9.97	167	247514	5.55861	ppb		97
74)	Di-n-butylphthalate	10.40	149	280315	5.35316	ppb		99
75)	Fluoranthene	11.08	202	264603	5.38801	ppb		99
77)	Pyrene	11.33	202	276314	5.37258	ppb	#	82
79)	Butyl benzylphthalate	12.14	149	112254	4.92392	ppb		90
80)	3,3'-Dichlorobenzidine	12.74	252	68319	4.85585	ppb		96
81)	Benz (a) anthracene	12.74	228	223596	5.35256	ppb		98
82)	Bis (2-ethylhexyl) phthala	12.82	149	180009	5.34724	ppb		96
83)	Chrysene	12.77	228	254687	5.77786	ppb	#	97
84)	Di-n-octylphthalate	13.54	149	265417	4.89182	ppb		99
85)	Indeno (1,2,3-cd) pyrene	15.67	276	217673	4.89840	ppb		94
87)	Benzo (b) fluoranthene	13.90	252	242006	4.47210	ppb		99
88)	Benzo (k) fluoranthene	13.92	252	209292	4.06350	ppb		97
89)	Benzo (a) pyrene	14.25	252	202723	4.98875	ppb		99
90)	Dibenz (a,h) anthracene	15.70	278	184534	4.85319	ppb		100
91)	Benzo (g,h,i) perylene	16.06	276	192051	5.13331	ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y002.D Vial: 2
Acq On : 1 Mar 12 18:54 Operator: LF
Sample : 5.0 ug/mL SVOC 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:44 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y003.D Vial: 3
Acq On : 1 Mar 12 19:20 Operator: LF
Sample : 10 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:37:15 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	389044	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1500970	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	845002	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1480554	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.75	240	1357398	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.32	264	1314752	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.24	112	310157	21.89686 ppb	0.00
Spiked Amount 200.000			Recovery = 10.949%		
5) Phenol-D6 (S)	4.23	99	369810	22.04902 ppb	0.00
Spiked Amount 200.000			Recovery = 11.025%		
21) Nitrobenzene-D5(S)	5.18	82	155572	10.93984 ppb	0.00
Spiked Amount 100.000			Recovery = 10.940%		
44) 2-Fluorobiphenyl(S)	7.19	172	341076	11.53638 ppb	0.00
Spiked Amount 100.000			Recovery = 11.536%		
61) 2,4,6-Tribromophenol(S)	8.87	330	77563	21.63709 ppb	-0.02
Spiked Amount 200.000			Recovery = 10.819%		
78) Terphenyl-D14(S)	11.54	244	315668	11.13045 ppb	0.00
Spiked Amount 100.000			Recovery = 11.130%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.95	42	113449	13.19095 ppb	82
3) Pyridine	1.97	52	101228	9.53362 ppb	100
6) Phenol	4.25	94	247370	10.90916 ppb	80
7) Aniline	4.31	93	195768	11.09957 ppb	98
8) Bis (2-chloroethyl) ether	4.31	63	125808	9.30216 ppb	97
9) 2-Chlorophenol	4.36	128	185213	11.03445 ppb	98
10) 1,3-DCB	4.50	146	209974	11.14547 ppb	99
11) 1,4-DCB	4.58	146	218579	11.29835 ppb	99
12) Benzyl alcohol	4.74	79	138669	10.84347 ppb	96
13) 1,2-DCB	4.74	146	200453	11.30359 ppb	99
14) 2-Methylphenol	4.87	108	172229	11.17203 ppb	98
15) Bis (2-chloroisopropyl) et	4.88	45	291071	11.42282 ppb	97
16) Acetophenone	5.02	105	252249	11.39793 ppb	95
17) 3&4-Methylphenol	5.05	107	401116	22.95668 ppb	96
18) n-Nitrosodi-n-propylamine	5.02	43	156590	12.50124 ppb	87
19) Hexachloroethane	5.09	117	72297	11.12294 ppb	90
22) Nitrobenzene	5.19	77	190089	11.10869 ppb	96
23) Isophorone	5.45	82	334532	10.95389 ppb	98
24) 2-Nitrophenol	5.54	139	99908	10.52836 ppb	95
25) 2,4-Dimethylphenol	5.61	107	180694	10.99702 ppb	100
26) Benzoic acid	5.81	105	65581	9.81790 ppb	92
27) Bis (2-chloroethoxy) metha	5.71	93	199746	10.88389 ppb	98
28) 2,4-Dichlorophenol	5.82	162	149306	11.16906 ppb	96
29) 1,2,4-Trichlorobenzene	5.89	180	163317	11.27170 ppb	99
30) Naphthalene	5.97	128	570252	11.34744 ppb	99
31) 4-Chloroaniline	6.06	127	195891	11.07520 ppb	99
32) 2,6-Dichlorophenol	6.06	162	147976	11.32445 ppb	99
33) Hexachloropropene	6.07	213	86731	10.79557 ppb	97
34) Hexachlorobutadiene	6.10	225	81293	11.08213 ppb	95
35) Caprolactum	6.48	113	60481	11.15807 ppb	97
36) 4-Chloro-3-methylphenol	6.64	107	152099	10.69342 ppb	91
37) 2-Methylnaphthalene	6.75	142	378294	11.27767 ppb	99

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

Data File : M:\YODA\DATA\Y120301B\0301Y003.D Vial: 3
Acq On : 1 Mar 12 19:20 Operator: LF
Sample : 10 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:37:15 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

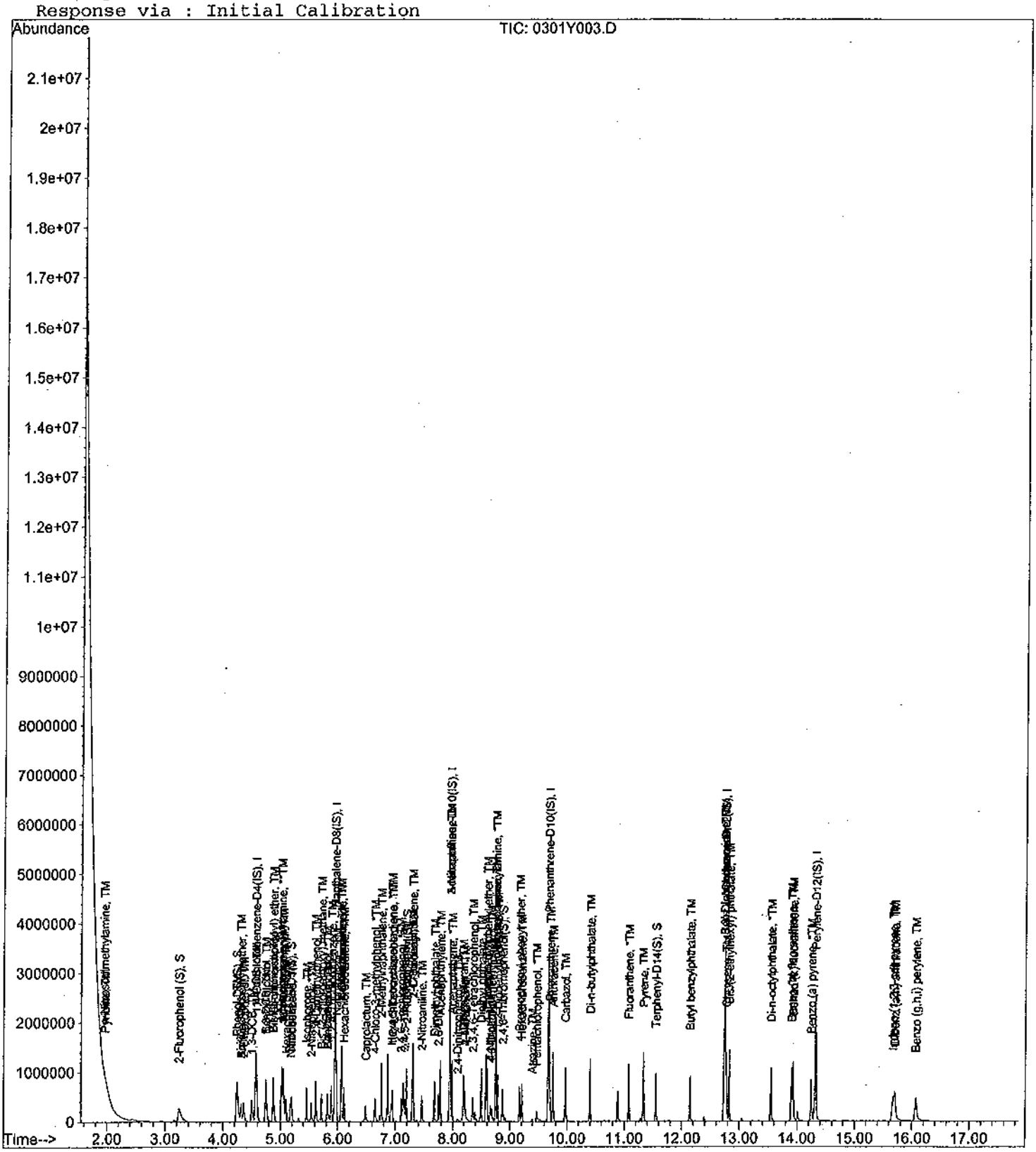
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39) Hexachlorocyclopentadiene	6.93	237	46058	8.04628 ppb		97
40) 1,2,4,5-Tetrachlorobenzene	6.95	216	154982	11.23149 ppb	#	89
41) 2,4,6-Trichlorophenol	7.11	196	100140	10.65572 ppb		93
42) 2,4,5-Trichlorophenol	7.15	196	107376	10.69090 ppb	#	94
43) 2-Chloronaphthalene	7.31	162	345172	11.31729 ppb		98
45) 1,1'-Biphenyl	7.30	154	449456	11.44464 ppb		99
46) 2-Nitroaniline	7.46	138	120663	10.40591 ppb		83
47) Dimethyl phthalate	7.68	163	380707	10.95332 ppb		91
48) 2,6-DNT	7.75	165	83176	10.15594 ppb	#	82
49) Acenaphthylene	7.78	152	558467	11.01774 ppb		99
50) 3-Nitroaniline	7.94	65	115303	10.35847 ppb		95
51) Acenaphthene	7.99	154	336010	11.18707 ppb		100
52) 2,4-Dinitrophenol	8.08	184	20715	10.77872 ppb	#	18
53) 4-Nitrophenol	8.22	109	25127	8.61164 ppb		93
54) Dibenzofuran	8.18	139	170914	8.30899 ppb		98
55) 2,4-DNT	8.21	165	121471	10.73820 ppb		98
56) 2,3,4,6-Tetrachlorophenol	8.35	232	75633	10.10049 ppb		97
57) Diethyl phthalate	8.50	149	377925	10.94553 ppb		98
58) 4-Chlorophenyl phenyl ethe	8.60	204	189210	11.36408 ppb		99
59) Fluorene	8.58	165	365883	11.35008 ppb		100
60) 4-Nitroaniline	8.66	138	91550	10.19511 ppb		95
63) Diphenyl amine	8.75	168	374364	11.27897 ppb		100
64) 4,6-Dinitro-2-methylphenol	8.68	198	54333	8.90920 ppb		93
65) n-Nitrosodiphenylamine	8.75	167	201963	11.46336 ppb		97
66) 1,2-Diphenylhydrazine	8.79	182	116377	11.50122 ppb		64
67) 4-Bromophenyl phenyl ether	9.17	248	95425	11.30246 ppb		99
68) Hexachlorobenzene	9.20	284	102644	11.23649 ppb	#	78
69) Atrazine	9.40	200	8538	5.70908 ppb		90
70) Pentachlorophenol	9.46	266	44751	8.95745 ppb		99
71) Phenanthrene	9.70	178	570541	11.59358 ppb		99
72) Anthracene	9.75	178	579273	11.44739 ppb		99
73) Carbazol	9.96	167	521286	11.43990 ppb		100
74) Di-n-butylphthalate	10.40	149	591070	11.03017 ppb		100
75) Fluoranthene	11.07	202	550715	10.95822 ppb	#	84
77) Pyrene	11.33	202	589160	11.02236 ppb	#	87
79) Butyl benzylphthalate	12.15	149	240862	10.16574 ppb		97
80) 3,3'-Dichlorobenzidine	12.73	252	146559	10.02299 ppb		96
81) Benz (a) anthracene	12.73	228	475529	10.95307 ppb		98
82) Bis (2-ethylhexyl) phthala	12.82	149	385964	11.03172 ppb		99
83) Chrysene	12.78	228	510857	11.15119 ppb	#	97
84) Di-n-octylphthalate	13.55	149	580944	10.30237 ppb		99
85) Indeno (1,2,3-cd) pyrene	15.67	276	468818	10.15115 ppb		95
87) Benzo (b) fluoranthene	13.90	252	510777	9.24765 ppb		98
88) Benzo (k) fluoranthene	13.93	252	446076	8.48537 ppb		98
89) Benzo (a) pyrene	14.25	252	455138	10.97354 ppb		98
90) Dibenz (a,h) anthracene	15.70	278	403688	10.40188 ppb		98
91) Benzo (g,h,i) perylene	16.07	276	410631	10.75343 ppb		97

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

Data File : M:\YODA\DATA\Y120301B\0301Y003.D Vial: 3
Acq On : 1 Mar 12 19:20 Operator: LF
Sample : 10 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y004.D Vial: 4
Acq On : 1 Mar 12 19:46 Operator: LF
Sample : 20 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	382365	40.00000 ppb		0.00
20) Napthalene-D8(IS)	5.95	136	1462702	40.00000 ppb		0.00
38) Acenaphthene-D10(IS)	7.95	164	814051	40.00000 ppb		0.00
62) Phenanthrene-D10(IS)	9.67	188	1454482	40.00000 ppb		0.00
76) Chrysene-D12(IS)	12.75	240	1328601	40.00000 ppb		0.00
86) Perylene-D12(IS)	14.32	264	1308060	40.00000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol (S)	3.24	112	559368	40.18079 ppb		0.00
Spiked Amount 200.000			Recovery =	20.091%		
5) Phenol-D6 (S)	4.23	99	674063	40.89138 ppb		0.00
Spiked Amount 200.000			Recovery =	20.446%		
21) Nitrobenzene-D5(S)	5.18	82	279510	20.16940 ppb		0.00
Spiked Amount 100.000			Recovery =	20.169%		
44) 2-Fluorobiphenyl(S)	7.19	172	585903	20.57076 ppb		0.00
Spiked Amount 100.000			Recovery =	20.571%		
61) 2,4,6-Tribromophenol(S)	8.88	330	140905	40.80156 ppb		0.00
Spiked Amount 200.000			Recovery =	20.401%		
78) Terphenyl-D14(S)	11.54	244	562480	20.26291 ppb		0.00
Spiked Amount 100.000			Recovery =	20.263%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.95	42	152067	21.77892 ppb		91
3) Pyridine	1.96	52	201527	19.31128 ppb		97
6) Phenol	4.24	94	458086	20.55473 ppb	#	69
7) Aniline	4.31	93	337366	19.46194 ppb		99
8) Bis (2-chloroethyl) ether	4.31	63	237928	17.89953 ppb		99
9) 2-Chlorophenol	4.35	128	338118	20.49595 ppb		99
10) 1,3-DCB	4.50	146	377414	20.38316 ppb		99
11) 1,4-DCB	4.58	146	386633	20.33415 ppb		99
12) Benzyl alcohol	4.74	79	255852	20.35627 ppb		98
13) 1,2-DCB	4.74	146	357184	20.49351 ppb		99
14) 2-Methylphenol	4.87	108	308671	20.37240 ppb		97
15) Bis (2-chloroisopropyl) et	4.87	45	523020	20.88398 ppb		98
16) Acetophenone	5.02	105	445408	20.47741 ppb		97
17) 3&4-Methylphenol	5.05	107	717015	41.75302 ppb		97
18) n-Nitrosodi-n-propylamine	5.02	43	277319	20.61743 ppb	#	81
19) Hexachloroethane	5.09	117	131164	20.53215 ppb		93
22) Nitrobenzene	5.19	77	338787	20.31649 ppb		98
23) Isophorone	5.46	82	598728	20.11760 ppb		90
24) 2-Nitrophenol	5.54	139	190029	20.54927 ppb		97
25) 2,4-Dimethylphenol	5.61	107	328323	20.50448 ppb		100
26) Benzoic acid	5.78	105	140686	19.55648 ppb		95
27) Bis (2-chloroethoxy) metha	5.71	93	369916	20.68355 ppb		100
28) 2,4-Dichlorophenol	5.82	162	270523	20.76633 ppb		99
29) 1,2,4-Trichlorobenzene	5.89	180	285393	20.21238 ppb		99
30) Naphthalene	5.97	128	1010762	20.63936 ppb		100
31) 4-Chloroaniline	6.06	127	374560	21.73074 ppb		99
32) 2,6-Dichlorophenol	6.06	162	267640	21.01808 ppb		99
33) Hexachloropropene	6.06	213	162568	20.76454 ppb		100
34) Hexachlorobutadiene	6.10	225	147389	20.61823 ppb		95
35) Caprolactum	6.50	113	110660	20.94965 ppb		98
36) 4-Chloro-3-methylphenol	6.64	107	279838	20.18892 ppb		94
37) 2-Methylnaphthalene	6.75	142	680396	20.81460 ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y004.D Vial: 4
Acq On : 1 Mar 12 19:46 Operator: LF
Sample : 20 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

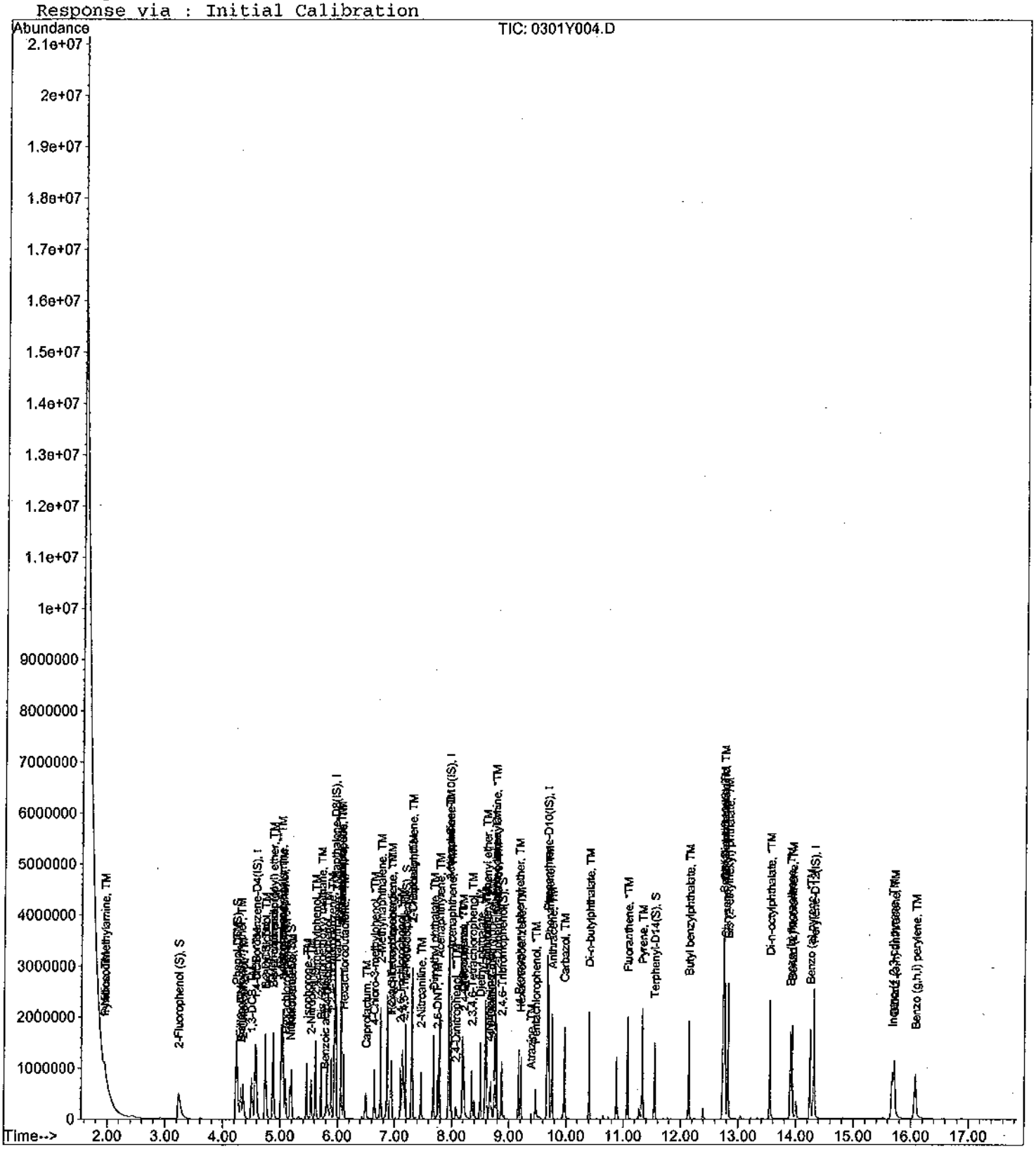
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Hexachlorocyclopentadiene	6.93	237	105332	17.87968	ppb		99
40)	1,2,4,5-Tetrachlorobenzene	6.95	216	274218	20.62805	ppb	#	89
41)	2,4,6-Trichlorophenol	7.10	196	182069	20.11025	ppb		98
42)	2,4,5-Trichlorophenol	7.15	196	197373	20.39863	ppb	#	97
43)	2-Chloronaphthalene	7.31	162	605807	20.61803	ppb		99
45)	1,1'-Biphenyl	7.30	154	801130	21.17504	ppb		99
46)	2-Nitroaniline	7.46	138	224610	20.10673	ppb	#	77
47)	Dimethyl phthalate	7.68	163	689165	20.58184	ppb		95
48)	2,6-DNT	7.76	165	164675	20.87160	ppb		81
49)	Acenaphthylene	7.78	152	1029819	21.08929	ppb		99
50)	3-Nitroaniline	7.94	65	215485	20.09455	ppb		94
51)	Acenaphthene	7.99	154	603069	20.84189	ppb		99
52)	2,4-Dinitrophenol	8.07	184	62053	19.51490	ppb	#	21
53)	4-Nitrophenol	8.20	109	56029	17.54706	ppb		77
54)	Dibenzofuran	8.18	139	424049	21.39898	ppb		100
55)	2,4-DNT	8.21	165	223858	20.54176	ppb		85
56)	2,3,4,6-Tetrachlorophenol	8.35	232	146460	20.30281	ppb		98
57)	Diethyl phthalate	8.50	149	677128	20.35674	ppb		100
58)	4-Chlorophenyl phenyl ethe	8.60	204	332193	20.71032	ppb		97
59)	Fluorene	8.58	165	641087	20.64333	ppb		99
60)	4-Nitroaniline	8.67	138	174492	20.17044	ppb		94
63)	Diphenyl amine	8.76	168	688421	21.11277	ppb		100
64)	4,6-Dinitro-2-methylphenol	8.68	198	122467	19.37956	ppb	#	79
65)	n-Nitrosodiphenylamine	8.76	167	368488	21.29018	ppb		98
66)	1,2-Diphenylhydrazine	8.79	182	207390	20.86317	ppb		87
67)	4-Bromophenyl phenyl ether	9.17	248	171833	20.71730	ppb		99
68)	Hexachlorobenzene	9.20	284	183748	20.47556	ppb	#	70
69)	Atrazine	9.40	200	14539	9.89602	ppb		97
70)	Pentachlorophenol	9.46	266	96229	18.67533	ppb		99
71)	Phenanthrene	9.70	178	1000678	20.69860	ppb		100
72)	Anthracene	9.75	178	1036256	20.84521	ppb		99
73)	Carbazol	9.97	167	923845	20.63770	ppb		99
74)	Di-n-butylphthalate	10.40	149	1082855	20.56978	ppb		99
75)	Fluoranthene	11.08	202	1041387	21.09313	ppb		99
77)	Pyrene	11.33	202	1089719	20.82901	ppb	#	82
79)	Butyl benzylphthalate	12.15	149	470333	20.28098	ppb		95
80)	3,3'-Dichlorobenzidine	12.74	252	299254	20.90919	ppb		99
81)	Benz (a) anthracene	12.73	228	866074	20.38104	ppb		99
82)	Bis (2-ethylhexyl) phthala	12.82	149	698174	20.38792	ppb		97
83)	Chrysene	12.78	228	906963	20.22665	ppb	#	96
84)	Di-n-octylphthalate	13.55	149	1112049	20.14834	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.68	276	884997	19.57787	ppb		93
87)	Benzo (b) fluoranthene	13.90	252	861998	18.83623	ppb	#	95
88)	Benzo (k) fluoranthene	13.94	252	901824	21.35507	ppb	#	94
89)	Benzo (a) pyrene	14.25	252	838057	20.30922	ppb		98
90)	Dibenz (a,h) anthracene	15.71	278	789053	20.43564	ppb		99
91)	Benzo (g,h,i) perylene	16.08	276	761218	20.03644	ppb		97

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

Data File : M:\YODA\DATA\Y120301B\0301Y004.D Vial: 4
Acq On : 1 Mar 12 19:46 Operator: LF
Sample : 20 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y005.D Vial: 5
Acq On : 1 Mar 12 20:12 Operator: LF
Sample : 40 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	392850	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1483214	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	826552	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1506673	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.76	240	1366661	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.32	264	1338704	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.24	112	1124071	78.58976 ppb	0.00
Spiked Amount 200.000			Recovery =	39.295%	
5) Phenol-D6 (S)	4.23	99	1341714	79.22141 ppb	0.00
Spiked Amount 200.000			Recovery =	39.611%	
21) Nitrobenzene-D5(S)	5.18	82	555254	39.51294 ppb	0.00
Spiked Amount 100.000			Recovery =	39.513%	
44) 2-Fluorobiphenyl(S)	7.20	172	1117443	38.63949 ppb	0.00
Spiked Amount 100.000			Recovery =	38.639%	
61) 2,4,6-Tribromophenol(S)	8.88	330	277475	79.13264 ppb	0.00
Spiked Amount 200.000			Recovery =	39.567%	
78) Terphenyl-D14(S)	11.55	244	1119814	39.21701 ppb	0.00
Spiked Amount 100.000			Recovery =	39.217%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.94	42	297622	41.48755 ppb	92
3) Pyridine	1.95	52	429624	40.06986 ppb	97
6) Phenol	4.25	94	881431	38.49502 ppb	97
7) Aniline	4.32	93	656968	36.88761 ppb	100
8) Bis (2-chloroethyl) ether	4.32	63	467820	34.25517 ppb	99
9) 2-Chlorophenol	4.36	128	645929	38.10973 ppb	98
10) 1,3-DCB	4.50	146	722084	37.95706 ppb	100
11) 1,4-DCB	4.59	146	730034	37.36987 ppb	99
12) Benzyl alcohol	4.75	79	493847	38.24311 ppb	99
13) 1,2-DCB	4.74	146	673315	37.60053 ppb	99
14) 2-Methylphenol	4.88	108	592619	38.06916 ppb	99
15) Bis (2-chloroisopropyl) et	4.88	45	970461	37.71590 ppb	99
16) Acetophenone	5.02	105	843853	37.76028 ppb	98
17) 3&4-Methylphenol	5.05	107	1354856	76.78991 ppb	95
18) n-Nitrosodi-n-propylamine	5.03	43	519827	37.61535 ppb	99
19) Hexachloroethane	5.09	117	248894	37.92151 ppb	97
22) Nitrobenzene	5.20	77	646644	38.24188 ppb	99
23) Isophorone	5.47	82	1148009	38.04031 ppb	98
24) 2-Nitrophenol	5.54	139	363960	38.81344 ppb	99
25) 2,4-Dimethylphenol	5.62	107	619306	38.14212 ppb	99
26) Benzoic acid	5.82	105	303460	41.60000 ppb	94
27) Bis (2-chloroethoxy) metha	5.72	93	701744	38.69482 ppb	100
28) 2,4-Dichlorophenol	5.82	162	512992	38.83454 ppb	99
29) 1,2,4-Trichlorobenzene	5.89	180	542403	37.88334 ppb	99
30) Naphthalene	5.98	128	1893392	38.12763 ppb	100
31) 4-Chloroaniline	6.06	127	689238	39.43432 ppb	99
32) 2,6-Dichlorophenol	6.06	162	491596	38.07172 ppb	100
33) Hexachloropropene	6.06	213	306824	38.64815 ppb	99
34) Hexachlorobutadiene	6.11	225	278206	38.37998 ppb	99
35) Caprolactum	6.54	113	214787	40.10016 ppb	97
36) 4-Chloro-3-methylphenol	6.66	107	549249	39.07758 ppb	97
37) 2-Methylnaphthalene	6.76	142	1258813	37.97690 ppb	99

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

Data File : M:\YODA\DATA\Y120301B\0301Y005.D Vial: 5
Acq On : 1 Mar 12 20:12 Operator: LF
Sample : 40 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

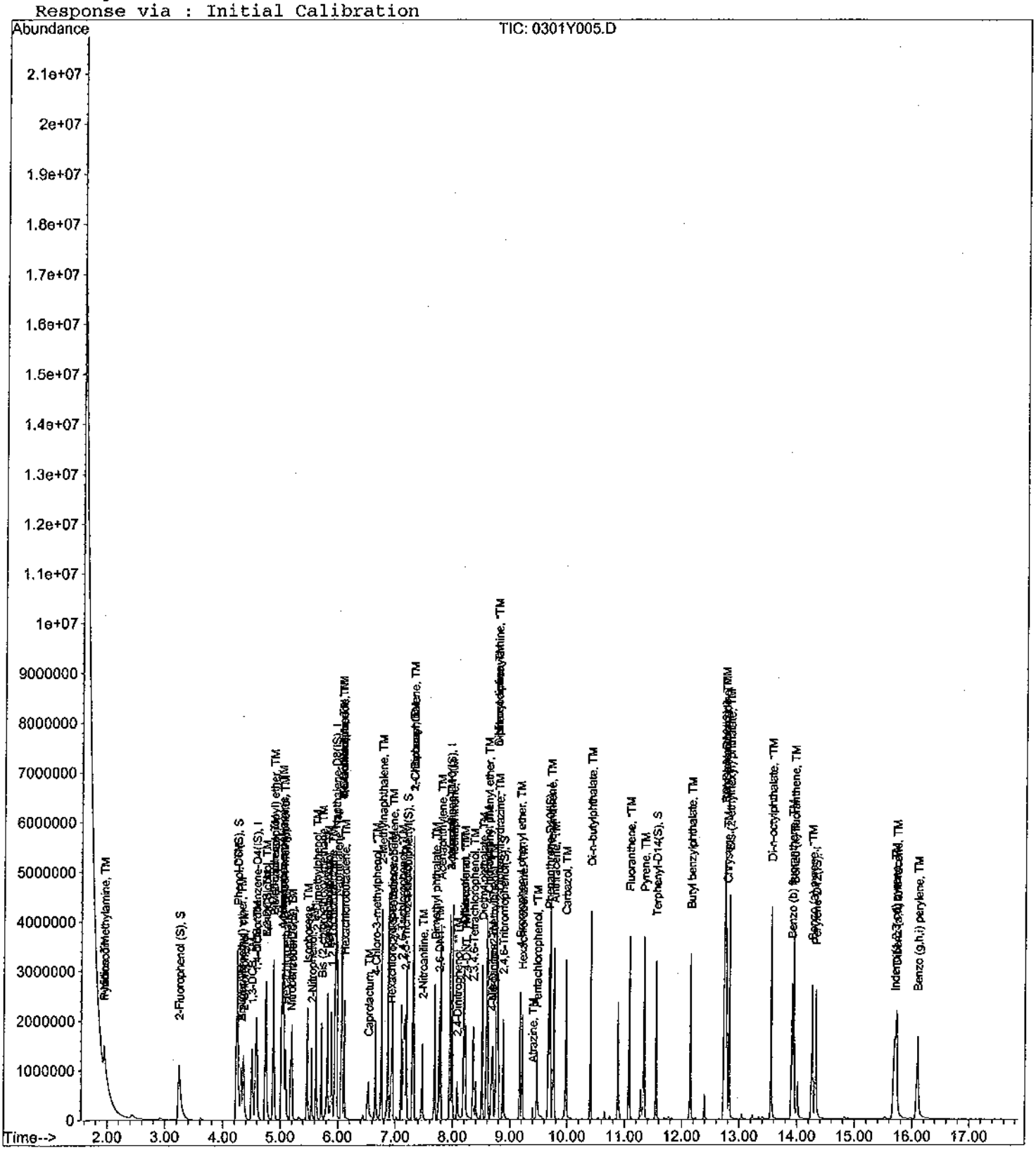
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Hexachlorocyclopentadiene	6.93	237	233865	39.09724	ppb		99
40)	1,2,4,5-Tetrachlorobenzene	6.94	216	515124	38.16413	ppb		98
41)	2,4,6-Trichlorophenol	7.10	196	355404	38.66208	ppb		99
42)	2,4,5-Trichlorophenol	7.17	196	385615	39.25081	ppb		99
43)	2-Chloronaphthalene	7.32	162	1124851	37.70416	ppb		100
45)	1,1'-Biphenyl	7.31	154	1483738	38.62423	ppb		99
46)	2-Nitroaniline	7.47	138	441683	38.94076	ppb		98
47)	Dimethyl phthalate	7.69	163	1276403	37.54311	ppb		99
48)	2,6-DNT	7.76	165	318658	39.77721	ppb		95
49)	Acenaphthylene	7.79	152	1882182	37.96156	ppb		100
50)	3-Nitroaniline	7.96	65	427140	39.22950	ppb		95
51)	Acenaphthene	7.99	154	1115054	37.95312	ppb		100
52)	2,4-Dinitrophenol	8.08	184	158433	36.74132	ppb		81
53)	4-Nitrophenol	8.21	109	127942	39.46263	ppb		96
54)	Dibenzofuran	8.19	139	841390	41.81728	ppb		99
55)	2,4-DNT	8.23	165	432937	39.12651	ppb		94
56)	2,3,4,6-Tetrachlorophenol	8.36	232	288036	39.32468	ppb		98
57)	Diethyl phthalate	8.51	149	1275095	37.75387	ppb		100
58)	4-Chlorophenyl phenyl ethe	8.61	204	616973	37.88295	ppb		100
59)	Fluorene	8.59	165	1190077	37.74150	ppb		100
60)	4-Nitroaniline	8.68	138	342203	38.95875	ppb		98
63)	Diphenyl amine	8.76	168	1237055	36.62431	ppb		100
64)	4,6-Dinitro-2-methylphenol	8.70	198	257780	39.37888	ppb	#	82
65)	n-Nitrosodiphenylamine	8.76	167	660833	36.85845	ppb		100
66)	1,2-Diphenylhydrazine	8.79	182	383135	37.20777	ppb		94
67)	4-Bromophenyl phenyl ether	9.17	248	327793	38.15185	ppb		99
68)	Hexachlorobenzene	9.22	284	352671	37.93780	ppb		99
69)	Atrazine	9.40	200	29742	19.54275	ppb		98
70)	Pentachlorophenol	9.47	266	210771	39.48775	ppb		100
71)	Phenanthrene	9.70	178	1852653	36.99389	ppb		100
72)	Anthracene	9.77	178	1957613	38.01503	ppb		100
73)	Carbazol	9.97	167	1743714	37.60337	ppb		99
74)	Di-n-butylphthalate	10.41	149	2090352	38.33259	ppb		100
75)	Fluoranthene	11.08	202	1995775	39.02383	ppb		100
77)	Pyrene	11.34	202	2064579	38.36360	ppb		98
79)	Butyl benzylphthalate	12.15	149	942427	39.50617	ppb		96
80)	3,3'-Dichlorobenzidine	12.75	252	603335	40.98166	ppb		100
81)	Benz (a) anthracene	12.74	228	1668959	38.18131	ppb		100
82)	Bis (2-ethylhexyl) phthala	12.83	149	1367118	38.81047	ppb		98
83)	Chrysene	12.78	228	1711029	37.09588	ppb	#	95
84)	Di-n-octylphthalate	13.55	149	2227653	39.23708	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.70	276	1778942	38.25772	ppb		97
87)	Benzo (b) fluoranthene	13.92	252	1687499	36.03083	ppb		99
88)	Benzo (k) fluoranthene	13.94	252	1697322	39.27232	ppb		98
89)	Benzo (a) pyrene	14.27	252	1658639	39.27486	ppb		98
90)	Dibenz (a,h) anthracene	15.73	278	1559762	39.47149	ppb		93
91)	Benzo (g,h,i) perylene	16.10	276	1516848	39.01187	ppb		98

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

Data File : M:\YODA\DATA\Y120301B\0301Y005.D Vial: 5
Acq On : 1 Mar 12 20:12 Operator: LF
Sample : 40 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:40 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y006.D Vial: 6
Acq On : 1 Mar 12 20:37 Operator: LF
Sample : 50 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:42 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	377888	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1425320	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	790452	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.68	188	1457154	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.76	240	1307987	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.33	264	1280471	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.24	112	1308582	95.11233 ppb	0.00
Spiked Amount 200.000			Recovery =	47.556%	
5) Phenol-D6 (S)	4.24	99	1558962	95.69336 ppb	0.00
Spiked Amount 200.000			Recovery =	47.847%	
21) Nitrobenzene-D5(S)	5.18	82	640979	47.46602 ppb	0.00
Spiked Amount 100.000			Recovery =	47.466%	
44) 2-Fluorobiphenyl(S)	7.20	172	1305557	47.20592 ppb	0.00
Spiked Amount 100.000			Recovery =	47.206%	
61) 2,4,6-Tribromophenol(S)	8.89	330	325309	97.01136 ppb	0.00
Spiked Amount 200.000			Recovery =	48.506%	
78) Terphenyl-D14(S)	11.55	244	1288536	47.15009 ppb	0.00
Spiked Amount 100.000			Recovery =	47.150%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.94	42	321014	46.52007 ppb	100
3) Pyridine	1.94	52	494399	47.93696 ppb	100
6) Phenol	4.26	94	1067264	48.45646 ppb	100
7) Aniline	4.32	93	800057	46.70043 ppb	100
8) Bis (2-chloroethyl) ether	4.32	63	589039	44.83891 ppb	100
9) 2-Chlorophenol	4.36	128	783645	48.06557 ppb	100
10) 1,3-DCB	4.51	146	874755	47.80297 ppb	100
11) 1,4-DCB	4.59	146	892845	47.51363 ppb	100
12) Benzyl alcohol	4.75	79	600262	48.32427 ppb	100
13) 1,2-DCB	4.74	146	824518	47.86736 ppb	100
14) 2-Methylphenol	4.88	108	716779	47.86815 ppb	100
15) Bis (2-chloroisopropyl) et	4.88	45	1169181	47.23803 ppb	100
16) Acetophenone	5.03	105	1021374	47.51348 ppb	100
17) 3&4-Methylphenol	5.06	107	1617123	95.28351 ppb	100
18) n-Nitrosodi-n-propylamine	5.03	43	627354	47.19354 ppb	100
19) Hexachloroethane	5.09	117	303691	48.10241 ppb	100
22) Nitrobenzene	5.20	77	781792	48.11235 ppb	100
23) Isophorone	5.47	82	1395866	48.13200 ppb	100
24) 2-Nitrophenol	5.55	139	441994	49.04970 ppb	100
25) 2,4-Dimethylphenol	5.62	107	739438	47.39065 ppb	100
26) Benzoic acid	5.83	105	418697	59.72871 ppb	100
27) Bis (2-chloroethoxy) metha	5.72	93	833860	47.84744 ppb	100
28) 2,4-Dichlorophenol	5.82	162	621192	48.93559 ppb	100
29) 1,2,4-Trichlorobenzene	5.89	180	655033	47.60810 ppb	100
30) Naphthalene	5.98	128	2264393	47.45069 ppb	100
31) 4-Chloroaniline	6.06	127	831488	49.50540 ppb	100
32) 2,6-Dichlorophenol	6.06	162	587579	47.35347 ppb	100
33) Hexachloropropene	6.06	213	371986	48.75929 ppb	100
34) Hexachlorobutadiene	6.11	225	335263	48.12994 ppb	100
35) Caprolactum	6.55	113	259662	50.44731 ppb	100
36) 4-Chloro-3-methylphenol	6.66	107	660696	48.91607 ppb	100
37) 2-Methylnaphthalene	6.76	142	1520980	47.74998 ppb	100

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

Data File : M:\YODA\DATA\Y120301B\0301Y006.D Vial: 6
Acq On : 1 Mar 12 20:37 Operator: LF
Sample : 50 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:42 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

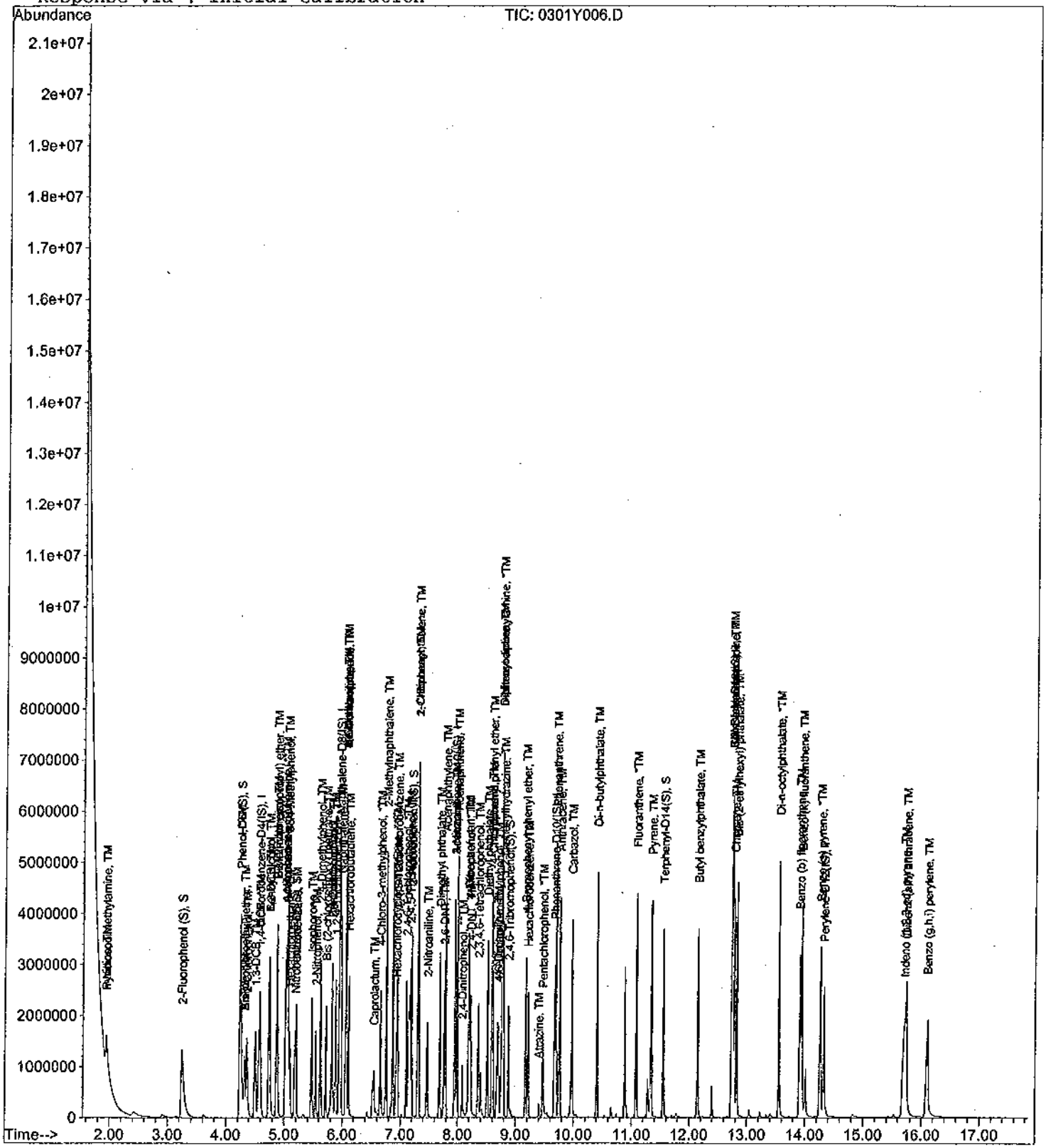
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39)	Hexachlorocyclopentadiene	6.93	237	301752	52.75039	ppb	100
40)	1,2,4,5-Tetrachlorobenzene	6.95	216	612041	47.41533	ppb	100
41)	2,4,6-Trichlorophenol	7.10	196	429891	48.90080	ppb	100
42)	2,4,5-Trichlorophenol	7.17	196	468865	49.90422	ppb	100
43)	2-Chloronaphthalene	7.32	162	1347262	47.22164	ppb	100
45)	1,1'-Biphenyl	7.31	154	1755279	47.77971	ppb	100
46)	2-Nitroaniline	7.48	138	540829	49.85955	ppb	100
47)	Dimethyl phthalate	7.69	163	1532324	47.12895	ppb	100
48)	2,6-DNT	7.76	165	373004	48.68752	ppb	100
49)	Acenaphthylene	7.79	152	2266952	47.81008	ppb	100
50)	3-Nitroaniline	7.96	65	511632	49.13545	ppb	100
51)	Acenaphthene	8.00	154	1345858	47.90110	ppb	100
52)	2,4-Dinitrophenol	8.08	184	214270	48.58749	ppb	100
53)	4-Nitrophenol	8.21	109	160012	51.60837	ppb	100
54)	Dibenzofuran	8.19	139	1012680	52.62903	ppb	100
55)	2,4-DNT	8.23	165	512939	48.47378	ppb	100
56)	2,3,4,6-Tetrachlorophenol	8.36	232	352904	50.38134	ppb	100
57)	Diethyl phthalate	8.52	149	1534694	47.51551	ppb	100
58)	4-Chlorophenyl phenyl ethe	8.61	204	745235	47.84820	ppb	100
59)	Fluorene	8.59	165	1419805	47.08337	ppb	100
60)	4-Nitroaniline	8.69	138	412572	49.11517	ppb	100
63)	Diphenyl amine	8.77	168	1485614	45.47786	ppb	100
64)	4,6-Dinitro-2-methylphenol	8.71	198	323569	51.10868	ppb	100
65)	n-Nitrosodiphenylamine	8.77	167	789807	45.54911	ppb	100
66)	1,2-Diphenylhydrazine	8.79	182	458446	46.03452	ppb	100
67)	4-Bromophenyl phenyl ether	9.17	248	390228	46.96214	ppb	100
68)	Hexachlorobenzene	9.22	284	428372	47.64716	ppb	100
69)	Atrazine	9.41	200	36803	25.00416	ppb	100
70)	Pentachlorophenol	9.47	266	256030	49.59706	ppb	100
71)	Phenanthrene	9.70	178	2203871	45.50254	ppb	100
72)	Anthracene	9.77	178	2371312	47.61357	ppb	100
73)	Carbazol	9.97	167	2117266	47.21071	ppb	100
74)	Di-n-butylphthalate	10.41	149	2488818	47.19059	ppb	100
75)	Fluoranthene	11.09	202	2401099	48.54471	ppb	100
77)	Pyrene	11.35	202	2509566	48.72411	ppb	100
79)	Butyl benzylphthalate	12.15	149	1136367	49.77293	ppb	100
80)	3,3'-Dichlorobenzidine	12.75	252	727426	51.62704	ppb	100
81)	Benz (a) anthracene	12.74	228	2027007	48.45268	ppb	100
82)	Bis (2-ethylhexyl) phthala	12.83	149	1649423	48.92517	ppb	100
83)	Chrysene	12.79	228	2119416	48.01112	ppb	100
84)	Di-n-octylphthalate	13.55	149	2727031	50.18762	ppb	100
85)	Indeno (1,2,3-cd) pyrene	15.70	276	2196972	49.36728	ppb	100
87)	Benzo (b) fluoranthene	13.92	252	2054949	45.87189	ppb	100
88)	Benzo (k) fluoranthene	13.94	252	2041119	49.37482	ppb	100
89)	Benzo (a) pyrene	14.27	252	2004925	49.63359	ppb	100
90)	Dibenz (a,h) anthracene	15.74	278	1893880	50.10632	ppb	100
91)	Benzo (g,h,i) perylene	16.11	276	1818516	48.89750	ppb	100

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

Data File : M:\YODA\DATA\Y120301B\0301Y006.D Vial: 6
Acq On : 1 Mar 12 20:37 Operator: LF
Sample : 50 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:42 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y007.D Vial: 7
Acq On : 1 Mar 12 21:03 Operator: LF
Sample : 60 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	378196	40.00000 ppb		0.00
20) Napthalene-D8(IS)	5.95	136	1444404	40.00000 ppb		0.00
38) Acenaphthene-D10(IS)	7.95	164	802058	40.00000 ppb		0.00
62) Phenanthrene-D10(IS)	9.68	188	1471589	40.00000 ppb		0.00
76) Chrysene-D12(IS)	12.76	240	1319788	40.00000 ppb		0.00
86) Perylene-D12(IS)	14.33	264	1322864	40.00000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol (S)	3.24	112	1650318	119.85321 ppb		0.00
Spiked Amount 200.000			Recovery =	59.926%		
5) Phenol-D6 (S)	4.25	99	1954853	119.89651 ppb		0.00
Spiked Amount 200.000			Recovery =	59.949%		
21) Nitrobenzene-D5(S)	5.18	82	807772	59.02711 ppb		0.00
Spiked Amount 100.000			Recovery =	59.027%		
44) 2-Fluorobiphenyl(S)	7.20	172	1610180	57.37792 ppb		0.00
Spiked Amount 100.000			Recovery =	57.378%		
61) 2,4,6-Tribromophenol(S)	8.89	330	400445	117.68987 ppb		0.00
Spiked Amount 200.000			Recovery =	58.845%		
78) Terphenyl-D14(S)	11.55	244	1631496	59.16587 ppb		0.00
Spiked Amount 100.000			Recovery =	59.166%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.94	42	428057	61.98180 ppb		98
3) Pyridine	1.94	52	675667	65.45937 ppb		98
6) Phenol	4.26	94	1327759	60.23449 ppb		99
7) Aniline	4.33	93	1003990	58.55655 ppb	#	98
8) Bis (2-chloroethyl) ether	4.33	63	955772	72.69616 ppb		85
9) 2-Chlorophenol	4.36	128	985663	60.40729 ppb		99
10) 1,3-DCB	4.51	146	1095223	59.80220 ppb		99
11) 1,4-DCB	4.59	146	1126644	59.90665 ppb		99
12) Benzyl alcohol	4.75	79	757618	60.94259 ppb		98
13) 1,2-DCB	4.74	146	1019287	59.12648 ppb		99
14) 2-Methylphenol	4.88	108	899199	60.00167 ppb		100
15) Bis (2-chloroisopropyl) et	4.88	45	1457502	58.83901 ppb		99
16) Acetophenone	5.03	105	1278035	59.40472 ppb		97
17) 3&4-Methylphenol	5.06	107	2025815	119.26710 ppb		98
18) n-Nitrosodi-n-propylamine	5.04	43	657474	49.41908 ppb		88
19) Hexachloroethane	5.09	117	378810	59.95184 ppb		100
22) Nitrobenzene	5.20	77	977367	59.35356 ppb		97
23) Isophorone	5.48	82	1761305	59.93057 ppb		97
24) 2-Nitrophenol	5.55	139	550135	60.24388 ppb		95
25) 2,4-Dimethylphenol	5.63	107	953064	60.27493 ppb		95
26) Benzoic acid	5.86	105	541494	76.22556 ppb		95
27) Bis (2-chloroethoxy) metha	5.72	93	1034620	58.58280 ppb		96
28) 2,4-Dichlorophenol	5.82	162	764166	59.40327 ppb		97
29) 1,2,4-Trichlorobenzene	5.89	180	822201	58.96840 ppb		100
30) Naphthalene	5.98	128	2866909	59.28275 ppb		100
31) 4-Chloroaniline	6.07	127	1043138	61.28611 ppb	#	93
32) 2,6-Dichlorophenol	6.07	162	725358	57.68484 ppb		99
33) Hexachloropropene	6.07	213	466871	60.38810 ppb		99
34) Hexachlorobutadiene	6.11	225	414715	58.74936 ppb		99
35) Caprolactum	6.57	113	326906	62.67238 ppb		93
36) 4-Chloro-3-methylphenol	6.66	107	834826	60.99153 ppb		97
37) 2-Methylnaphthalene	6.76	142	1889124	58.52398 ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y007.D Vial: 7
Acq On : 1 Mar 12 21:03 Operator: LF
Sample : 60 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

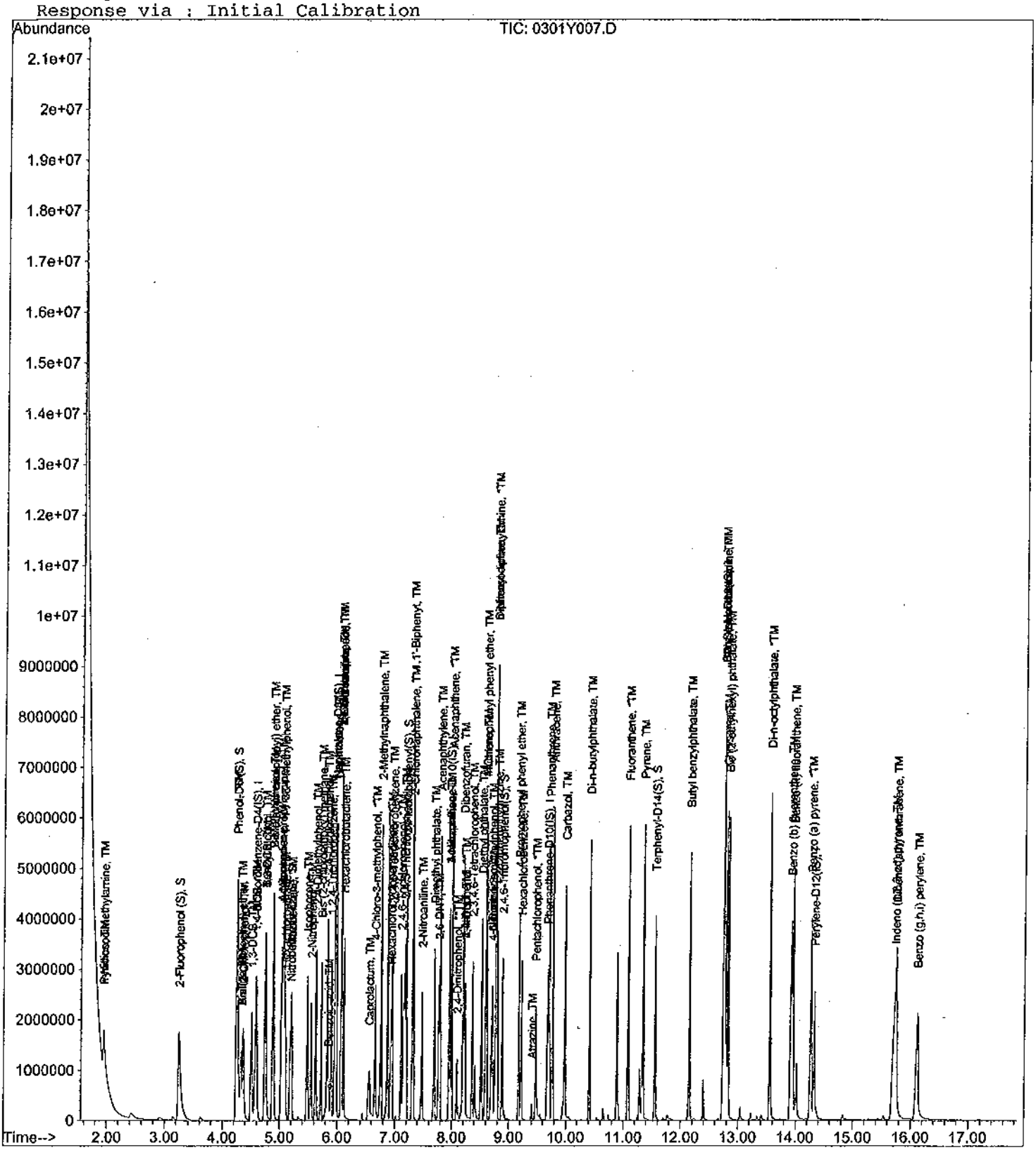
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Hexachlorocyclopentadiene	6.93	237	382485	65.89609	ppb		98
40)	1,2,4,5-Tetrachlorobenzene	6.96	216	767689	58.61292	ppb	#	90
41)	2,4,6-Trichlorophenol	7.11	196	549026	61.54889	ppb		99
42)	2,4,5-Trichlorophenol	7.17	196	563803	59.14071	ppb	#	96
43)	2-Chloronaphthalene	7.33	162	1699094	58.69162	ppb		94
45)	1,1'-Biphenyl	7.31	154	2085802	55.95516	ppb		98
46)	2-Nitroaniline	7.48	138	653542	59.37883	ppb		88
47)	Dimethyl phthalate	7.69	163	1975690	59.88605	ppb		98
48)	2,6-DNT	7.76	165	480474	61.80787	ppb		89
49)	Acenaphthylene	7.79	152	2790808	58.00652	ppb		99
50)	3-Nitroaniline	7.96	65	622868	58.95260	ppb		93
51)	Acenaphthene	8.00	154	1601935	56.19024	ppb		99
52)	2,4-Dinitrophenol	8.09	184	294265	62.88386	ppb	#	75
53)	4-Nitrophenol	8.22	109	208643	66.31949	ppb		94
54)	Dibenzofuran	8.20	139	1274828	65.29417	ppb		86
55)	2,4-DNT	8.23	165	669774	62.37910	ppb		90
56)	2,3,4,6-Tetrachlorophenol	8.36	232	437366	61.53581	ppb		95
57)	Diethyl phthalate	8.53	149	1931468	58.93467	ppb		98
58)	4-Chlorophenyl phenyl ethe	8.61	204	900389	56.97342	ppb		95
59)	Fluorene	8.59	165	1823947	59.61022	ppb		99
60)	4-Nitroaniline	8.70	138	517035	60.66044	ppb		97
63)	Diphenyl amine	8.78	168	1872930	56.77204	ppb		100
64)	4,6-Dinitro-2-methylphenol	8.71	198	410286	64.17019	ppb	#	71
65)	n-Nitrosodiphenylamine	8.78	167	1002223	57.23244	ppb		100
66)	1,2-Diphenylhydrazine	8.80	182	602084	59.86479	ppb	#	41
67)	4-Bromophenyl phenyl ether	9.17	248	485302	57.83096	ppb		99
68)	Hexachlorobenzene	9.22	284	532342	58.63077	ppb	#	89
69)	Atrazine	9.41	200	44186	29.72574	ppb		97
70)	Pentachlorophenol	9.47	266	338325	64.89603	ppb		99
71)	Phenanthrene	9.70	178	2843294	58.12864	ppb		100
72)	Anthracene	9.77	178	2851877	56.70114	ppb		99
73)	Carbazol	9.98	167	2679632	59.16423	ppb		98
74)	Di-n-butylphthalate	10.41	149	3100539	58.21278	ppb		100
75)	Fluoranthene	11.09	202	2880299	57.66182	ppb	#	91
77)	Pyrene	11.35	202	3010737	57.93184	ppb	#	90
79)	Butyl benzylphthalate	12.15	149	1421808	61.71842	ppb		90
80)	3,3'-Dichlorobenzidine	12.75	252	857650	60.32505	ppb		98
81)	Benz (a) anthracene	12.74	228	2501865	59.26874	ppb		100
82)	Bis (2-ethylhexyl) phthala	12.83	149	2011073	59.11904	ppb		99
83)	Chrysene	12.79	228	2514798	56.45832	ppb	#	96
84)	Di-n-octylphthalate	13.56	149	3272233	59.68291	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.72	276	2800949	62.37624	ppb		93
87)	Benzo (b) fluoranthene	13.92	252	2930954	63.32995	ppb		97
88)	Benzo (k) fluoranthene	13.95	252	2320261	54.32861	ppb		96
89)	Benzo (a) pyrene	14.27	252	2528795	60.59625	ppb	#	96
90)	Dibenz (a,h) anthracene	15.75	278	2390470	61.21782	ppb		99
91)	Benzo (g,h,i) perylene	16.12	276	2306594	60.03371	ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y007.D Vial: 7
Acq On : 1 Mar 12 21:03 Operator: LF
Sample : 60 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y008.D Vial: 8
Acq On : 1 Mar 12 21:29 Operator: LF
Sample : 80 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	372401	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1380350	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.96	164	762909	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1388679	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.77	240	1276168	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.33	264	1252423	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.25	112	2071334	152.77006 ppb	0.00
Spiked Amount 200.000			Recovery =	76.385%	
5) Phenol-D6 (S)	4.25	99	2432459	151.51096 ppb	0.02
Spiked Amount 200.000			Recovery =	75.756%	
21) Nitrobenzene-D5(S)	5.18	82	1019456	77.95262 ppb	0.00
Spiked Amount 100.000			Recovery =	77.953%	
44) 2-Fluorobiphenyl(S)	7.20	172	2014854	75.48263 ppb	0.00
Spiked Amount 100.000			Recovery =	75.483%	
61) 2,4,6-Tribromophenol(S)	8.90	330	512481	158.34598 ppb	0.00
Spiked Amount 200.000			Recovery =	79.173%	
78) Terphenyl-D14(S)	11.56	244	2054402	77.04900 ppb	0.00
Spiked Amount 100.000			Recovery =	77.049%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.94	42	525282	77.24336 ppb	96
3) Pyridine	1.94	52	837651	82.41539 ppb	98
6) Phenol	4.26	94	1646246	75.84498 ppb	92
7) Aniline	4.33	93	1295036	76.70683 ppb	100
8) Bis (2-chloroethyl) ether	4.33	63	1186508	91.65031 ppb	90
9) 2-Chlorophenol	4.37	128	1226575	76.34158 ppb	100
10) 1,3-DCB	4.50	146	1362428	75.54997 ppb	99
11) 1,4-DCB	4.59	146	1376502	74.33123 ppb	99
12) Benzyl alcohol	4.76	79	953511	77.89372 ppb	99
13) 1,2-DCB	4.75	146	1259779	74.21403 ppb	98
14) 2-Methylphenol	4.89	108	1108932	75.14820 ppb	100
15) Bis (2-chloroisopropyl) et	4.88	45	1788159	73.31087 ppb	100
16) Acetophenone	5.03	105	1587098	74.91833 ppb	99
17) 3&4-Methylphenol	5.07	107	2493292	149.07338 ppb	97
18) n-Nitrosodi-n-propylamine	5.04	43	743601	56.76258 ppb	95
19) Hexachloroethane	5.09	117	469205	75.41362 ppb	94
22) Nitrobenzene	5.21	77	1195969	75.99910 ppb	99
23) Isophorone	5.49	82	2199071	78.29834 ppb	97
24) 2-Nitrophenol	5.54	139	696616	79.82457 ppb	92
25) 2,4-Dimethylphenol	5.63	107	1147237	75.92193 ppb	99
26) Benzoic acid	5.88	105	703477	103.62304 ppb	97
27) Bis (2-chloroethoxy) metha	5.72	93	1319376	78.17309 ppb	93
28) 2,4-Dichlorophenol	5.83	162	950716	77.33444 ppb	99
29) 1,2,4-Trichlorobenzene	5.90	180	1019898	76.54160 ppb	100
30) Naphthalene	5.98	128	3369528	72.90931 ppb	99
31) 4-Chloroaniline	6.07	127	1175934	72.29407 ppb	99
32) 2,6-Dichlorophenol	6.07	162	893114	74.32170 ppb	99
33) Hexachloropropene	6.06	213	577583	78.17508 ppb	98
34) Hexachlorobutadiene	6.11	225	502882	74.54507 ppb	97
35) Caprolactum	6.58	113	355487	71.31428 ppb	96
36) 4-Chloro-3-methylphenol	6.67	107	1023505	78.24615 ppb	100
37) 2-Methylnaphthalene	6.77	142	2406456	78.01009 ppb	99

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

Data File : M:\YODA\DATA\Y120301B\0301Y008.D Vial: 8
Acq On : 1 Mar 12 21:29 Operator: LF
Sample : 80 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

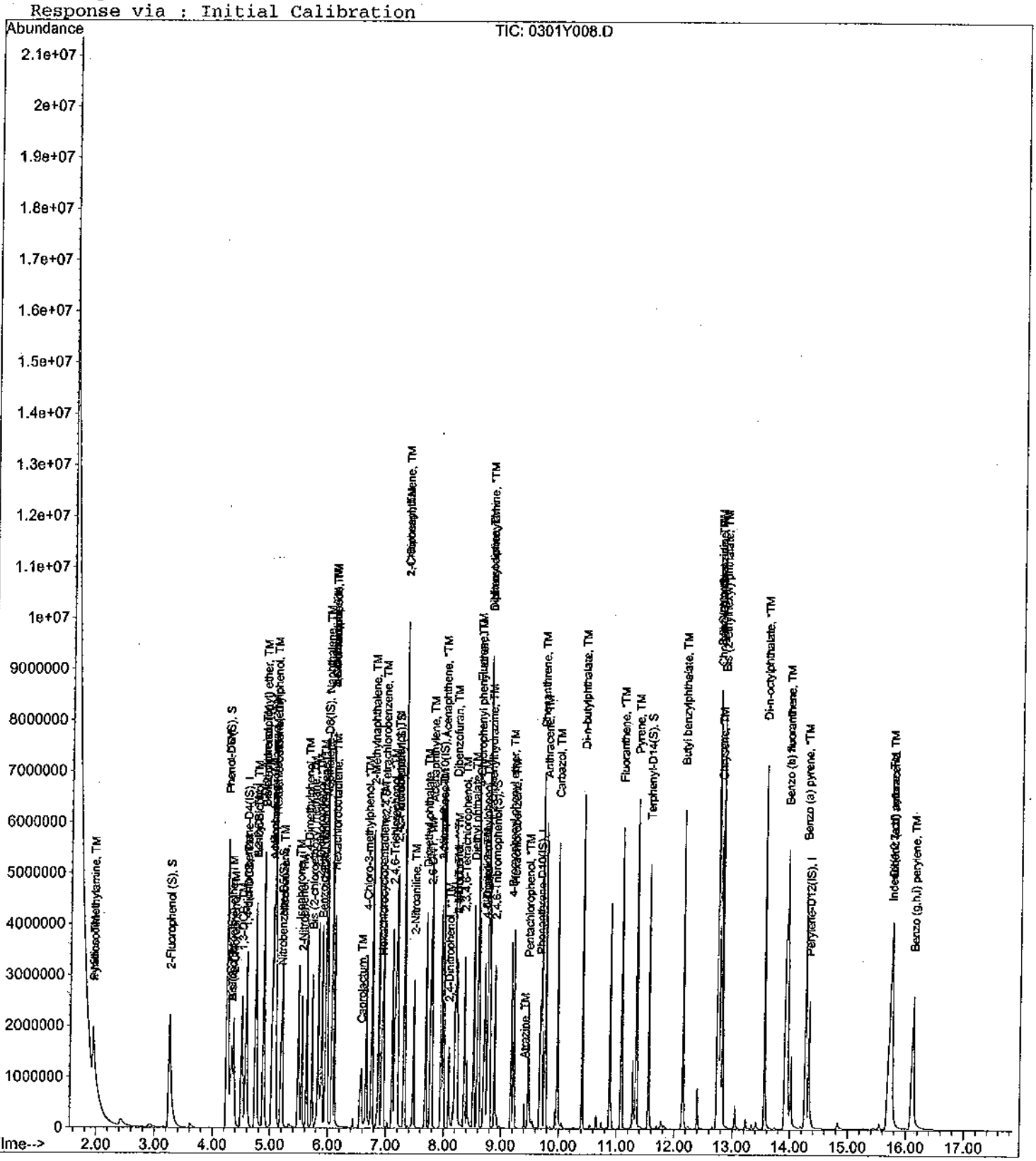
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Hexachlorocyclopentadiene	6.93	237	494035	89.48206	ppb		98
40)	1,2,4,5-Tetrachlorobenzene	6.96	216	925879	74.31822	ppb		95
41)	2,4,6-Trichlorophenol	7.11	196	665678	78.45571	ppb		96
42)	2,4,5-Trichlorophenol	7.18	196	689171	76.00098	ppb		97
43)	2-Chloronaphthalene	7.33	162	2018498	73.30271	ppb		98
45)	1,1'-Biphenyl	7.32	154	2709823	76.42598	ppb		99
46)	2-Nitroaniline	7.48	138	839684	80.20603	ppb		95
47)	Dimethyl phthalate	7.70	163	2391933	76.22351	ppb		97
48)	2,6-DNT	7.77	165	566559	76.62174	ppb		94
49)	Acenaphthylene	7.80	152	3555617	77.69532	ppb		100
50)	3-Nitroaniline	7.97	65	782500	77.86179	ppb		96
51)	Acenaphthene	7.99	154	2068945	76.29533	ppb		100
52)	2,4-Dinitrophenol	8.10	184	374498	81.38485	ppb	#	30
53)	4-Nitrophenol	8.23	109	270299	90.32642	ppb		95
54)	Dibenzofuran	8.20	139	1558056	83.89555	ppb		94
55)	2,4-DNT	8.24	165	809318	79.24340	ppb		93
56)	2,3,4,6-Tetrachlorophenol	8.37	232	564307	83.47018	ppb		97
57)	Diethyl phthalate	8.52	149	2418397	77.57896	ppb		100
58)	4-Chlorophenyl phenyl ethe	8.62	204	1174119	78.10651	ppb		91
59)	Fluorene	8.60	165	2165612	74.40844	ppb		100
60)	4-Nitroaniline	8.72	138	663666	81.85933	ppb		94
63)	Diphenyl amine	8.78	168	2471851	79.39989	ppb		98
64)	4,6-Dinitro-2-methylphenol	8.73	198	525383	87.07778	ppb		97
65)	n-Nitrosodiphenylamine	8.78	167	1278882	77.39145	ppb		99
66)	1,2-Diphenylhydrazine	8.80	182	700905	73.85130	ppb		92
67)	4-Bromophenyl phenyl ether	9.18	248	625522	78.99064	ppb		100
68)	Hexachlorobenzene	9.22	284	657301	76.71563	ppb	#	78
69)	Atrazine	9.41	200	54870	39.11719	ppb		94
70)	Pentachlorophenol	9.48	266	431554	87.72105	ppb		99
71)	Phenanthrene	9.71	178	3391357	73.47279	ppb		100
72)	Anthracene	9.78	178	3626899	76.41544	ppb		100
73)	Carbazol	9.98	167	3193391	74.71724	ppb		100
74)	Di-n-butylphthalate	10.42	149	4159024	82.74795	ppb		99
75)	Fluoranthene	11.09	202	3755700	79.67578	ppb	#	88
77)	Pyrene	11.35	202	3885947	77.32817	ppb	#	84
79)	Butyl benzylphthalate	12.15	149	1668227	74.89026	ppb		84
80)	3,3'-Dichlorobenzidine	12.76	252	1088299	79.16481	ppb		100
81)	Benz (a) anthracene	12.75	228	3060333	74.97679	ppb		99
82)	Bis (2-ethylhexyl) phthala	12.83	149	2391650	72.70989	ppb		95
83)	Chrysene	12.80	228	3364921	78.12609	ppb		99
84)	Di-n-octylphthalate	13.56	149	4324941	81.57973	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.74	276	3521995	81.11460	ppb		89
87)	Benzo (b) fluoranthene	13.95	252	6537172	149.19498	ppb	#	95
88)	Benzo (k) fluoranthene	13.95	252	6537172	161.67609	ppb		99
89)	Benzo (a) pyrene	14.28	252	3112107	78.76818	ppb	#	96
90)	Dibenz (a,h) anthracene	15.76	278	3003390	81.24011	ppb	#	91
91)	Benzo (g,h,i) perylene	16.13	276	2882494	79.24222	ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y008.D Vial: 8
Acq On : 1 Mar 12 21:29 Operator: LF
Sample : 80 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y009.D Vial: 9
Acq On : 1 Mar 12 21:54 Operator: LF
Sample : 100 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	378100	40.00000 ppb		0.00
20) Napthalene-D8(IS)	5.96	136	1408593	40.00000 ppb		0.00
38) Acenaphthene-D10(IS)	7.96	164	787447	40.00000 ppb		0.00
62) Phenanthrene-D10(IS)	9.68	188	1455434	40.00000 ppb		0.00
76) Chrysene-D12(IS)	12.77	240	1256364	40.00000 ppb		0.00
86) Perylene-D12(IS)	14.33	264	1313439	40.00000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol (S)	3.25	112	2549554	185.20662 ppb		0.00
Spiked Amount 200.000			Recovery =	92.604%		
5) Phenol-D6 (S)	4.26	99	2991654	183.53295 ppb		0.03
Spiked Amount 200.000			Recovery =	91.766%		
21) Nitrobenzene-D5(S)	5.19	82	1244154	93.22664 ppb		0.00
Spiked Amount 100.000			Recovery =	93.227%		
44) 2-Fluorobiphenyl(S)	7.21	172	2401769	87.17382 ppb		0.00
Spiked Amount 100.000			Recovery =	87.174%		
61) 2,4,6-Tribromophenol(S)	8.89	330	635275	190.17019 ppb		0.00
Spiked Amount 200.000			Recovery =	95.085%		
78) Terphenyl-D14(S)	11.56	244	2435694	92.78903 ppb		0.00
Spiked Amount 100.000			Recovery =	92.789%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.94	42	652393	94.48919 ppb		99
3) Pyridine	1.94	52	1031318	99.94060 ppb		99
6) Phenol	4.27	94	2060191	93.48539 ppb		87
7) Aniline	4.34	93	1686404	98.38252 ppb		99
8) Bis (2-chloroethyl) ether	4.34	63	1481443	112.70739 ppb		87
9) 2-Chlorophenol	4.37	128	1528446	93.69605 ppb		99
10) 1,3-DCB	4.50	146	1695015	92.57600 ppb		99
11) 1,4-DCB	4.59	146	1714016	91.16192 ppb		99
12) Benzyl alcohol	4.76	79	1183092	95.19177 ppb		99
13) 1,2-DCB	4.75	146	1569896	91.08916 ppb		98
14) 2-Methylphenol	4.89	108	1369650	91.41709 ppb		99
15) Bis (2-chloroisopropyl) et	4.89	45	2175744	87.85656 ppb		99
16) Acetophenone	5.04	105	2004581	93.19918 ppb		98
17) 3&4-Methylphenol	5.08	107	3045156	179.32493 ppb		98
18) n-Nitrosodi-n-propylamine	5.04	43	814747	61.25606 ppb		74
19) Hexachloroethane	5.10	117	561107	88.82537 ppb		89
22) Nitrobenzene	5.22	77	1537218	95.72551 ppb		93
23) Isophorone	5.50	82	2733932	95.39041 ppb		95
24) 2-Nitrophenol	5.55	139	870521	97.75209 ppb		98
25) 2,4-Dimethylphenol	5.64	107	1437000	93.19112 ppb		100
26) Benzoic acid	5.91	105	925906	133.65248 ppb		99
27) Bis (2-chloroethoxy) metha	5.73	93	1575534	91.47874 ppb		95
28) 2,4-Dichlorophenol	5.83	162	1141763	91.01266 ppb		96
29) 1,2,4-Trichlorobenzene	5.90	180	1253570	92.19197 ppb		100
30) Naphthalene	5.99	128	4268152	90.50186 ppb		100
31) 4-Chloroaniline	6.08	127	1464018	88.20025 ppb	#	94
32) 2,6-Dichlorophenol	6.07	162	1089115	88.81497 ppb		100
33) Hexachloropropene	6.07	213	724086	96.03904 ppb		100
34) Hexachlorobutadiene	6.12	225	636944	92.52472 ppb		100
35) Caprolactum	6.60	113	438597	86.22280 ppb		97
36) 4-Chloro-3-methylphenol	6.68	107	1303345	97.64187 ppb		94
37) 2-Methylnaphthalene	6.77	142	2826460	89.78823 ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0301Y009.D Vial: 9
Acq On : 1 Mar 12 21:54 Operator: LF
Sample : 100 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:32:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

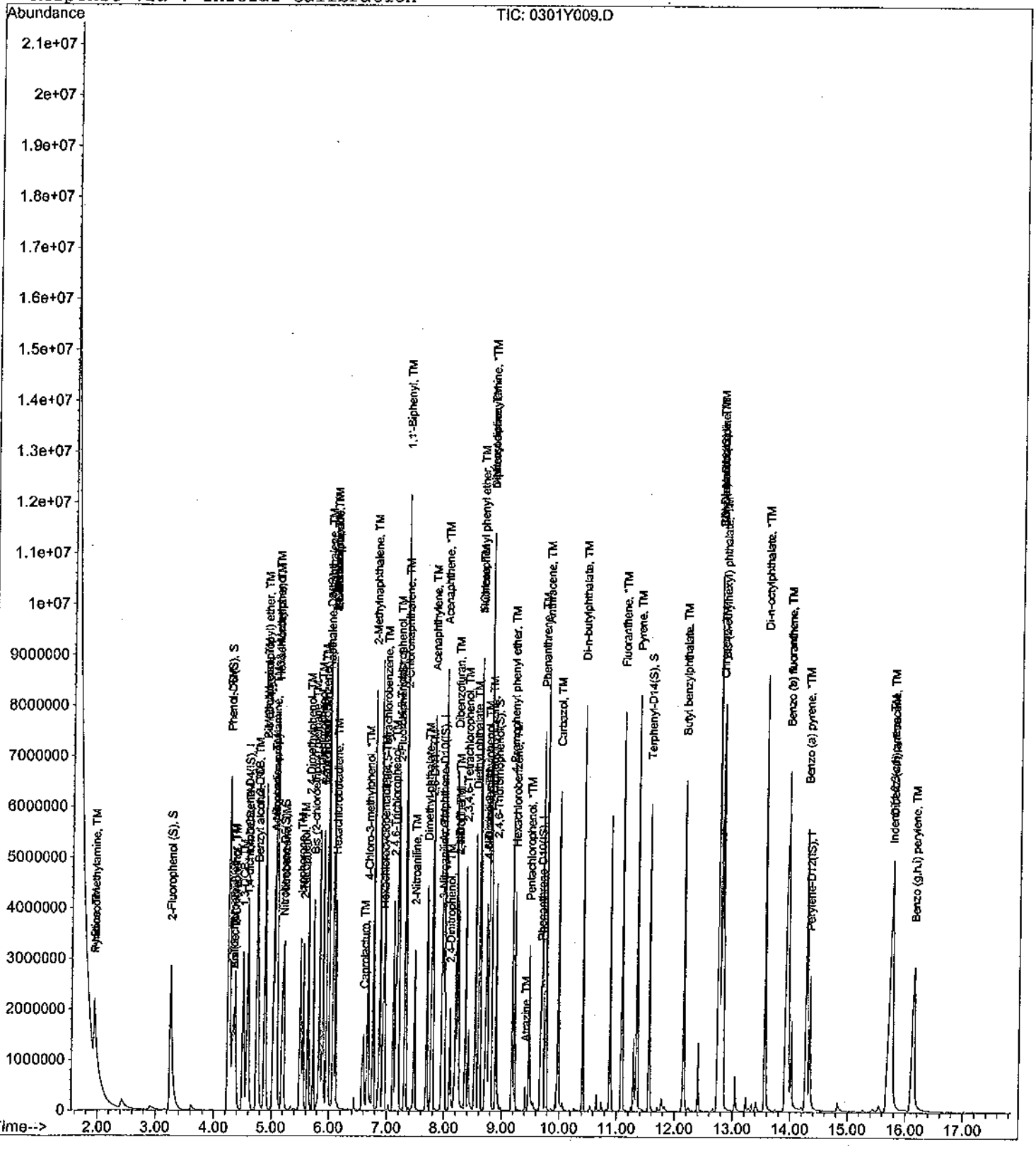
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Hexachlorocyclopentadiene	6.94	237	628903	110.36042	ppb		99
40)	1,2,4,5-Tetrachlorobenzene	6.95	216	1160393	90.23968	ppb		99
41)	2,4,6-Trichlorophenol	7.12	196	840693	95.99513	ppb		92
42)	2,4,5-Trichlorophenol	7.19	196	863929	92.30424	ppb		98
43)	2-Chloronaphthalene	7.34	162	2581908	90.84142	ppb		94
45)	1,1'-Biphenyl	7.32	154	3002788	82.04954	ppb		98
46)	2-Nitroaniline	7.48	138	1073686	99.36189	ppb		87
47)	Dimethyl phthalate	7.71	163	3074812	94.93140	ppb		91
48)	2,6-DNT	7.78	165	739338	96.87268	ppb		94
49)	Acenaphthylene	7.80	152	4197568	88.86465	ppb		100
50)	3-Nitroaniline	7.98	65	973082	93.80821	ppb		98
51)	Acenaphthene	8.00	154	2465385	88.08160	ppb		99
52)	2,4-Dinitrophenol	8.10	184	479975	99.08866	ppb	#	75
53)	4-Nitrophenol	8.24	109	343283	111.14094	ppb		96
54)	Dibenzofuran	8.21	139	2022969	105.53499	ppb		87
55)	2,4-DNT	8.24	165	982918	93.24222	ppb		91
56)	2,3,4,6-Tetrachlorophenol	8.37	232	671807	96.27463	ppb		93
57)	Diethyl phthalate	8.53	149	3006936	93.45272	ppb		99
58)	4-Chlorophenyl phenyl ethe	8.62	204	1319758	85.05911	ppb		98
59)	Fluorene	8.60	165	2701486	89.92816	ppb		99
60)	4-Nitroaniline	8.73	138	778464	93.02690	ppb		96
63)	Diphenyl amine	8.78	168	2940299	90.11529	ppb		100
64)	4,6-Dinitro-2-methylphenol	8.74	198	646112	102.17590	ppb	#	77
65)	n-Nitrosodiphenylamine	8.78	167	1510900	87.23838	ppb		99
66)	1,2-Diphenylhydrazine	8.81	182	891170	89.59194	ppb	#	54
67)	4-Bromophenyl phenyl ether	9.18	248	732185	88.21922	ppb		99
68)	Hexachlorobenzene	9.23	284	811078	90.32158	ppb	#	90
69)	Atrazine	9.41	200	68833	46.82079	ppb		99
70)	Pentachlorophenol	9.48	266	544376	105.57887	ppb		99
71)	Phenanthrene	9.71	178	4317259	89.24224	ppb		100
72)	Anthracene	9.78	178	4241633	85.26839	ppb		99
73)	Carbazol	9.99	167	4096993	91.46255	ppb		98
74)	Di-n-butylphthalate	10.42	149	4727743	89.74888	ppb		100
75)	Fluoranthene	11.09	202	4321840	87.48094	ppb	#	89
77)	Pyrene	11.35	202	4532163	91.60913	ppb	#	87
79)	Butyl benzylphthalate	12.16	149	2273499	103.67101	ppb		98
80)	3,3'-Dichlorobenzidine	12.76	252	1257319	92.90130	ppb		98
81)	Benz (a) anthracene	12.75	228	3883831	96.65200	ppb		100
82)	Bis (2-ethylhexyl) phthala	12.84	149	3125013	96.50283	ppb		99
83)	Chrysene	12.80	228	3870489	91.28079	ppb	#	96
84)	Di-n-octylphthalate	13.56	149	5140104	98.48416	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.75	276	4398524	102.89864	ppb		88
87)	Benzo (b) fluoranthene	13.96	252	8002265	174.14795	ppb	#	96
88)	Benzo (k) fluoranthene	13.96	252	8002265	188.71653	ppb		99
89)	Benzo (a) pyrene	14.29	252	3813441	92.03530	ppb	#	96
90)	Dibenz (a,h) anthracene	15.77	278	3654804	94.26793	ppb		99
91)	Benzo (g,h,i) perylene	16.15	276	3631059	95.18371	ppb		95

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

Data File : M:\YODA\DATA\Y120301B\0301Y009.D Vial: 9
Acq On : 1 Mar 12 21:54 Operator: LF
Sample : 100 ug/mL SVOC Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 8:33 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0301Y010.D Vial: 10
Acq On : 1 Mar 12 22:20 Operator: LF
Sample : 50 ug/mL SVOC SS 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 10:48 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	396037	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1457440	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	812099	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1480398	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.76	240	1343179	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.32	264	1318198	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	0.00	112	0	0.00000 ppb	
Spiked Amount 200.000			Recovery =	0.000%	
5) Phenol-D6 (S)	0.00	99	0	0.00000 ppb	
Spiked Amount 200.000			Recovery =	0.000%	
21) Nitrobenzene-D5(S)	0.00	82	0d	0.00000 ppb	
Spiked Amount 100.000			Recovery =	0.000%	
44) 2-Fluorobiphenyl(S)	0.00	172	0d	0.00000 ppb	
Spiked Amount 100.000			Recovery =	0.000%	
61) 2,4,6-Tribromophenol(S)	0.00	330	0d	0.00000 ppb	
Spiked Amount 200.000			Recovery =	0.000%	
78) Terphenyl-D14(S)	0.00	244	0d	0.00000 ppb	
Spiked Amount 100.000			Recovery =	0.000%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.94	42	358137	49.30914 ppb	95
3) Pyridine	1.94	52	526087	48.67185 ppb	100
6) Phenol	4.24	94	1096417	47.49883 ppb	79
7) Aniline	4.32	93	829026	46.17378 ppb	99
8) Bis (2-chloroethyl) ether	4.32	63	610505	44.34326 ppb	97
9) 2-Chlorophenol	4.36	128	819551	47.96430 ppb	100
10) 1,3-DCB	4.50	146	924872	48.22558 ppb	99
11) 1,4-DCB	4.59	146	933569	47.40410 ppb	99
12) Benzyl alcohol	4.75	79	628771	48.29969 ppb	99
13) 1,2-DCB	4.74	146	855816	47.40751 ppb	99
14) 2-Methylphenol	4.88	108	746404	47.56228 ppb	99
15) Bis (2-chloroisopropyl) et	4.88	45	1224008	47.18692 ppb	100
16) Acetophenone	5.02	105	1082542	48.05119 ppb	99
17) 3&4-Methylphenol	5.06	107	1691180	95.08059 ppb	100
18) n-Nitrosodi-n-propylamine	5.03	43	660444	47.40599 ppb	96
19) Hexachloroethane	5.09	117	320191	48.39175 ppb	100
22) Nitrobenzene	5.20	77	823685	49.49737 ppb	99
23) Isophorone	5.48	82	1465139	49.33223 ppb	93
24) 2-Nitrophenol	5.54	139	468421	50.75964 ppb	98
25) 2,4-Dimethylphenol	5.62	107	786610	49.22748 ppb	99
26) Benzoic acid	5.84	105	345828	40.36737 ppb	100
27) Bis (2-chloroethoxy) metha	5.72	93	894917	50.14223 ppb	98
28) 2,4-Dichlorophenol	5.82	162	645636	49.66296 ppb	99
29) 1,2,4-Trichlorobenzene	5.89	180	694473	49.28652 ppb	99
30) Naphthalene	5.98	128	2417012	49.45584 ppb	100
31) 4-Chloroaniline	6.07	127	883098	51.33804 ppb #	91
32) 2,6-Dichlorophenol	6.06	162	617531	48.59466 ppb	99
33) Hexachloropropene	6.06	213	393239	50.33177 ppb	99
34) Hexachlorobutadiene	6.11	225	341087	47.81311 ppb	98
35) Caprolactum	6.55	113	279030	52.93204 ppb	91
36) 4-Chloro-3-methylphenol	6.66	107	688653	49.78665 ppb	99
37) 2-Methylnaphthalene	6.76	142	1587245	48.65651 ppb	100

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

Data File : M:\YODA\DATA\Y120301B\0301Y010.D Vial: 10
Acq On : 1 Mar 12 22:20 Operator: LF
Sample : 50 ug/mL SVOC SS 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 10:48 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

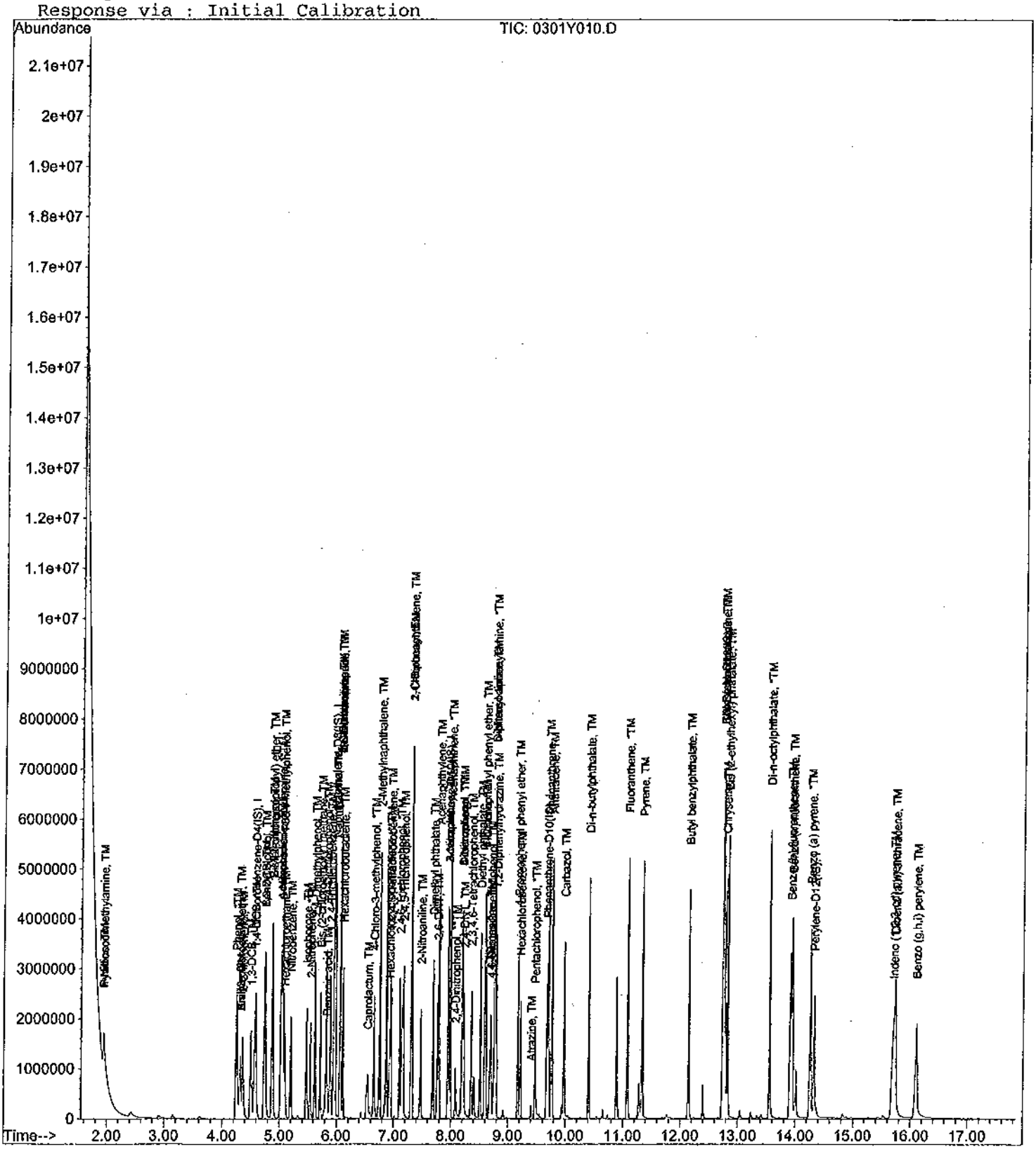
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39) Hexachlorocyclopentadiene	6.93	237	307839	52.38002 ppb		97
40) 1,2,4,5-Tetrachlorobenzene	6.95	216	651315	49.11294 ppb	#	88
41) 2,4,6-Trichlorophenol	7.10	196	452259	50.07389 ppb		99
42) 2,4,5-Trichlorophenol	7.17	196	492789	51.05249 ppb		98
43) 2-Chloronaphthalene	7.32	162	1410718	48.12777 ppb		99
45) 1,1'-Biphenyl	7.31	154	1844696	48.87521 ppb		100
46) 2-Nitroaniline	7.47	138	564480	50.65280 ppb		93
47) Dimethyl phthalate	7.69	163	1611822	48.25261 ppb		97
48) 2,6-DNT	7.76	165	383648	48.74203 ppb		92
49) Acenaphthylene	7.79	152	2373164	48.71597 ppb		99
50) 3-Nitroaniline	7.96	65	530192	49.56064 ppb		98
51) Acenaphthene	7.99	154	1385242	47.98864 ppb		100
52) 2,4-Dinitrophenol	8.09	184	243133	52.81242 ppb	#	67
53) 4-Nitrophenol	8.21	109	170072	53.39087 ppb		95
54) Dibenzofuran	8.20	139	1078506	54.55596 ppb		91
55) 2,4-DNT	8.23	165	536705	49.36775 ppb		92
56) 2,3,4,6-Tetrachlorophenol	8.36	232	368639	51.22488 ppb		98
57) Diethyl phthalate	8.51	149	1622533	48.89604 ppb		100
58) 4-Chlorophenyl phenyl ethe	8.61	204	758149	47.37982 ppb		98
59) Fluorene	8.59	165	1505527	48.59526 ppb		100
60) 4-Nitroaniline	8.69	138	441275	51.13187 ppb		98
63) Diphenyl amine	8.76	168	1624095	48.89469 ppb		100
64) 4,6-Dinitro-2-methylphenol	8.71	198	349551	54.34571 ppb		98
65) n-Nitrosodiphenylamine	8.76	167	865085	49.06482 ppb		99
66) 1,2-Diphenylhydrazine	8.79	182	493843	48.76908 ppb		93
67) 4-Bromophenyl phenyl ether	9.17	248	407149	48.18958 ppb		99
68) Hexachlorobenzene	9.22	284	449667	49.18990 ppb		98
69) Atrazine	9.41	200	37292	24.92035 ppb		99
70) Pentachlorophenol	9.47	266	286544	56.49304 ppb		100
71) Phenanthrene	9.70	178	2316037	47.02603 ppb		100
72) Anthracene	9.77	178	2466154	48.69861 ppb		99
73) Carbazol	9.98	167	2223777	48.76716 ppb		96
74) Di-n-butylphthalate	10.41	149	2610612	48.68429 ppb		100
75) Fluoranthene	11.09	202	2493281	49.57755 ppb		95
77) Pyrene	11.35	202	2561067	48.42122 ppb		93
79) Butyl benzylphthalate	12.15	149	1205019	51.39703 ppb		92
80) 3,3'-Dichlorobenzidine	12.75	252	760437	52.55586 ppb		100
81) Benz (a) anthracene	12.74	228	2118423	49.31111 ppb		100
82) Bis (2-ethylhexyl) phthala	12.83	149	1744020	50.37572 ppb		98
83) Chrysene	12.79	228	2206526	48.67480 ppb	#	97
84) Di-n-octylphthalate	13.55	149	2820358	50.54524 ppb		100
85) Indeno (1,2,3-cd) pyrene	15.70	276	2349746	51.41682 ppb		100
87) Benzo (b) fluoranthene	13.92	252	2517860	54.59668 ppb		98
88) Benzo (k) fluoranthene	13.95	252	1877833	44.12485 ppb	#	92
89) Benzo (a) pyrene	14.27	252	2091183	50.28734 ppb		98
90) Dibenz (a,h) anthracene	15.74	278	2020934	51.93753 ppb		93
91) Benzo (g,h,i) perylene	16.11	276	1867209	48.76986 ppb		98

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

Data File : M:\YODA\DATA\Y120301B\0301Y010.D Vial: 10
Acq On : 1 Mar 12 22:20 Operator: LF
Sample : 50 ug/mL SVOC SS 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 10:48 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y002.D
Acq On : 2 Mar 12 18:02
Sample : 50 ug/mL SVOC 03-01-12
Misc :

Vial: 2
Operator: LF
Inst : YODA
Multiplr: 1.00

Quant Time: Mar 5 10:49 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	405747	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1464131	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	810897	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.68	188	1481901	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.76	240	1312558	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.33	264	1292795	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.24	112	1338656	90.61762 ppb	0.00
Spiked Amount 200.000			Recovery =	45.309%	
5) Phenol-D6 (S)	4.24	99	1584795	90.59978 ppb	0.00
Spiked Amount 200.000			Recovery =	45.300%	
21) Nitrobenzene-D5(S)	5.18	82	645467	46.46038 ppb	0.00
Spiked Amount 100.000			Recovery =	46.460%	
44) 2-Fluorobiphenyl(S)	7.20	172	1292396	45.55185 ppb	0.00
Spiked Amount 100.000			Recovery =	45.552%	
61) 2,4,6-Tribromophenol(S)	8.89	330	315349	91.67011 ppb	0.00
Spiked Amount 200.000			Recovery =	45.835%	
78) Terphenyl-D14(S)	11.55	244	1247800	45.50047 ppb	0.00
Spiked Amount 100.000			Recovery =	45.500%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.94	42	361730	48.52333 ppb	95
3) Pyridine	1.95	52	514934	46.49993 ppb	99
6) Phenol	4.26	94	1095752	46.33401 ppb	97
7) Aniline	4.32	93	855738	46.52094 ppb	100
8) Bis (2-chloroethyl) ether	4.32	63	608296	43.12546 ppb	98
9) 2-Chlorophenol	4.36	128	810224	46.28365 ppb	98
10) 1,3-DCB	4.51	146	910964	46.36363 ppb	99
11) 1,4-DCB	4.59	146	937061	46.44274 ppb	99
12) Benzyl alcohol	4.75	79	617854	46.32529 ppb	99
13) 1,2-DCB	4.74	146	856228	46.29527 ppb	99
14) 2-Methylphenol	4.88	108	733938	45.64871 ppb	99
15) Bis (2-chloroisopropyl) et	4.88	45	1241207	46.70485 ppb	99
16) Acetophenone	5.03	105	1057786	45.82871 ppb	99
17) 3&4-Methylphenol	5.06	107	1648205	90.44691 ppb	99
18) n-Nitrosodi-n-propylamine	5.04	43	653086	45.75600 ppb	97
19) Hexachloroethane	5.09	117	314866	46.44815 ppb	99
22) Nitrobenzene	5.20	77	812839	48.62239 ppb	100
23) Isophorone	5.47	82	1429699	47.91895 ppb	100
24) 2-Nitrophenol	5.55	139	445266	48.02999 ppb	99
25) 2,4-Dimethylphenol	5.62	107	755973	47.09396 ppb	99
26) Benzoic acid	5.84	105	352024	40.82756 ppb	99
27) Bis (2-chloroethoxy) metha	5.72	93	864854	48.23635 ppb	100
28) 2,4-Dichlorophenol	5.82	162	626286	47.95439 ppb	100
29) 1,2,4-Trichlorobenzene	5.89	180	667575	47.16106 ppb	100
30) Naphthalene	5.98	128	2333195	47.52264 ppb	100
31) 4-Chloroaniline	6.07	127	831032	48.09045 ppb	99
32) 2,6-Dichlorophenol	6.07	162	595825	46.67231 ppb	99
33) Hexachloropropene	6.07	213	373712	47.61386 ppb	99
34) Hexachlorobutadiene	6.11	225	337383	47.07776 ppb	99
35) Caprolactum	6.56	113	257607	48.64477 ppb	99
36) 4-Chloro-3-methylphenol	6.66	107	670405	48.24590 ppb	99
37) 2-Methylnaphthalene	6.76	142	1537137	46.90512 ppb	99

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

Data File : M:\YODA\DATA\Y120301B\0302Y002.D Vial: 2
Acq On : 2 Mar 12 18:02 Operator: LF
Sample : 50 ug/mL SVOC 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 10:49 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

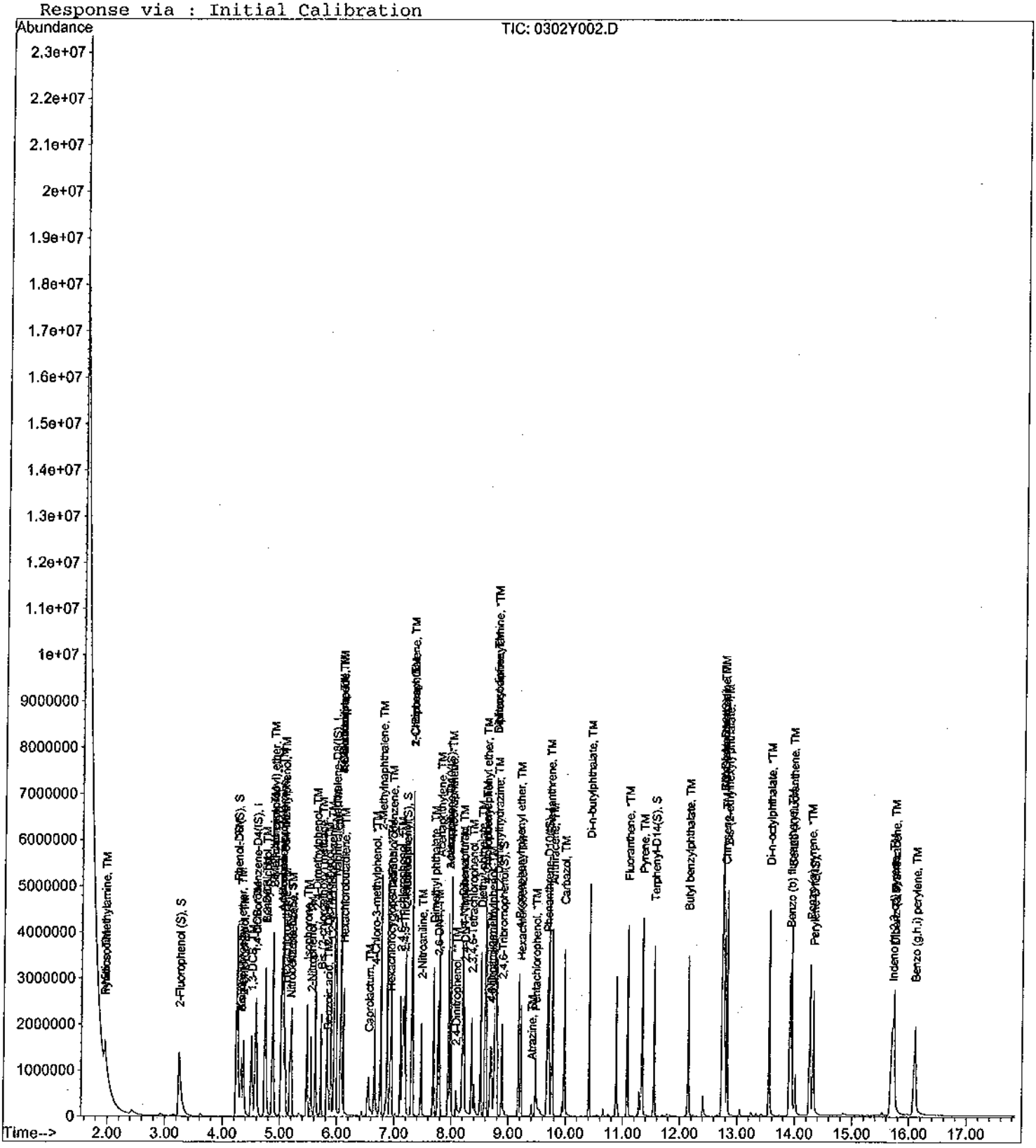
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Hexachlorocyclopentadiene	6.93	237	281400	47.95230	ppb		99
40)	1,2,4,5-Tetrachlorobenzene	6.95	216	614529	46.40775	ppb		98
41)	2,4,6-Trichlorophenol	7.11	196	428244	47.48525	ppb		99
42)	2,4,5-Trichlorophenol	7.17	196	464332	48.17568	ppb		99
43)	2-Chloronaphthalene	7.32	162	1363580	46.58857	ppb		99
45)	1,1'-Biphenyl	7.31	154	1806010	47.92116	ppb		99
46)	2-Nitroaniline	7.48	138	541185	48.63444	ppb		98
47)	Dimethyl phthalate	7.69	163	1554944	46.61887	ppb		100
48)	2,6-DNT	7.76	165	375137	47.73136	ppb		99
49)	Acenaphthylene	7.79	152	2280374	46.88058	ppb		100
50)	3-Nitroaniline	7.96	65	517185	48.41645	ppb		99
51)	Acenaphthene	8.00	154	1349528	46.82071	ppb		100
52)	2,4-Dinitrophenol	8.09	184	176642	40.64401	ppb	#	71
53)	4-Nitrophenol	8.21	109	143897	45.24068	ppb		94
54)	Dibenzofuran	8.19	139	1003467	50.83537	ppb		98
55)	2,4-DNT	8.23	165	510950	47.06839	ppb		99
56)	2,3,4,6-Tetrachlorophenol	8.36	232	350438	48.76791	ppb		98
57)	Diethyl phthalate	8.52	149	1535783	46.35038	ppb		100
58)	4-Chlorophenyl phenyl ethe	8.61	204	742158	46.44923	ppb		100
59)	Fluorene	8.59	165	1434501	46.37132	ppb		99
60)	4-Nitroaniline	8.69	138	404014	46.88372	ppb		98
63)	Diphenyl amine	8.77	168	1450821	43.63383	ppb		100
64)	4,6-Dinitro-2-methylphenol	8.71	198	310540	48.23159	ppb		96
65)	n-Nitrosodiphenylamine	8.77	167	776780	44.01176	ppb		99
66)	1,2-Diphenylhydrazine	8.79	182	465255	45.89929	ppb		99
67)	4-Bromophenyl phenyl ether	9.17	248	392644	46.42566	ppb		100
68)	Hexachlorobenzene	9.22	284	433098	47.32933	ppb		98
69)	Atrazine	9.41	200	35499	23.69812	ppb		98
70)	Pentachlorophenol	9.47	266	267829	52.74977	ppb		98
71)	Phenanthrene	9.70	178	2162897	43.87206	ppb		100
72)	Anthracene	9.77	178	2352767	46.41246	ppb		100
73)	Carbazol	9.97	167	2116984	46.37812	ppb		99
74)	Di-n-butylphthalate	10.41	149	2564970	47.78461	ppb		100
75)	Fluoranthene	11.09	202	2367970	47.03806	ppb		100
77)	Pyrene	11.35	202	2495127	48.27506	ppb		100
79)	Butyl benzylphthalate	12.15	149	1144998	49.97632	ppb		96
80)	3,3'-Dichlorobenzidine	12.75	252	713730	50.47859	ppb		99
81)	Benz (a) anthracene	12.74	228	2002386	47.69747	ppb		100
82)	Bis (2-ethylhexyl) phthala	12.82	149	1577645	46.63312	ppb	#	94
83)	Chrysene	12.79	228	2090407	47.18907	ppb	#	95
84)	Di-n-octylphthalate	13.56	149	2695533	49.43518	ppb		100
85)	Indeno (1,2,3-cd) pyrene	15.70	276	2192917	49.10456	ppb		99
87)	Benzo (b) fluoranthene	13.92	252	2006449	44.36227	ppb		99
88)	Benzo (k) fluoranthene	13.95	252	2046094	49.02333	ppb		99
89)	Benzo (a) pyrene	14.27	252	1977513	48.48830	ppb		99
90)	Dibenz (a,h) anthracene	15.74	278	1864978	48.87129	ppb		98
91)	Benzo (g,h,i) perylene	16.11	276	1842580	49.07225	ppb		99

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

Data File : M:\YODA\DATA\Y120301B\0302Y002.D Vial: 2
Acq On : 2 Mar 12 18:02 Operator: LF
Sample : 50 ug/mL SVOC 03-01-12 Inst : YODA
Misc : Multiplr: 1.00

Quant Time: Mar 5 10:49 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



EPA METHOD 8270C
Semivolatile Organic Compounds
Raw Data

Data File : M:\YODA\DATA\Y120301B\0302Y012.D Vial: 12
Acq On : 2 Mar 12 22:19 Operator: LF
Sample : AY56027S02 1/33.44G Inst : YODA
Misc : Multiplr: 29.90

Quant Time: Mar 5 9:02 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	389068	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.94	136	1493458	40.00000 ppb	-0.01
38) Acenaphthene-D10(IS)	7.95	164	837198	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.66	188	1498269	40.00000 ppb	-0.01
76) Chrysene-D12(IS)	12.75	240	1387987	40.00000 ppb	-0.01
86) Perylene-D12(IS)	14.31	264	1257189	40.00000 ppb	-0.01
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.23	112	1438006	3035.76347 ppb	-0.01
Spiked Amount 5980.861			Recovery =	50.758%	
5) Phenol-D6 (S)	4.23	99	1990942	3549.57408 ppb	-0.01
Spiked Amount 5980.861			Recovery =	59.349%	
21) Nitrobenzene-D5(S)	5.17	82	769485	1623.78912 ppb	-0.01
Spiked Amount 2990.431			Recovery =	54.300%	
44) 2-Fluorobiphenyl(S)	7.19	172	1583740	1616.83478 ppb	-0.01
Spiked Amount 2990.431			Recovery =	54.067%	
61) 2,4,6-Tribromophenol(S)	8.88	330	431117	3629.96762 ppb	-0.01
Spiked Amount 5980.861			Recovery =	60.693%	
78) Terphenyl-D14(S)	11.56	244	2219368	2288.58534 ppb	0.00
Spiked Amount 2990.431			Recovery =	76.530%	

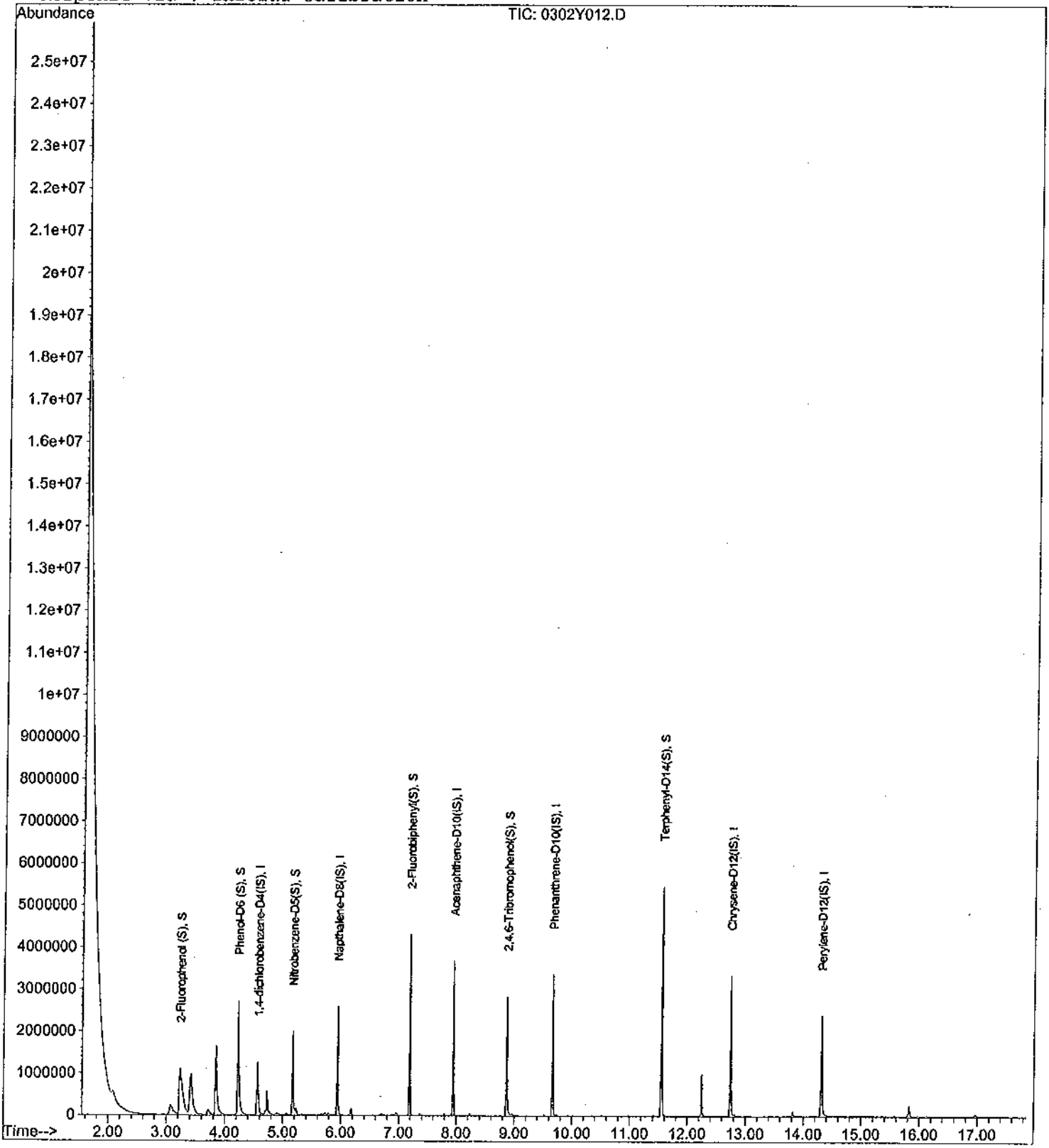
Target Compounds Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y012.D Vial: 12
Acq On : 2 Mar 12 22:19 Operator: LF
Sample : AY56027S02 1/33.44G Inst : YODA
Misc : Multiplr: 29.90

Quant Time: Mar 5 9:02 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y005.D Vial: 5
Acq On : 2 Mar 12 19:20 Operator: LF
Sample : 120302A BLK 1/30.00G Inst : YODA
Misc : Multiplr: 33.33

Quant Time: Mar 5 8:57 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 08:45:16 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.56	152	369900	40.00000	ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1403137	40.00000	ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	784561	40.00000	ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1393519	40.00000	ppb	0.00
76) Chrysene-D12(IS)	12.75	240	1315181	40.00000	ppb	0.00
86) Perylene-D12(IS)	14.32	264	1178701	40.00000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (S)	3.24	112	1643826	4068.63916	ppb	0.00
Spiked Amount 6666.667			Recovery =	61.030%		
5) Phenol-D6 (S)	4.23	99	2205338	4609.76614	ppb	0.00
Spiked Amount 6666.667			Recovery =	69.146%		
21) Nitrobenzene-D5(S)	5.18	82	869905	2177.90608	ppb	0.00
Spiked Amount 3333.333			Recovery =	65.337%		
44) 2-Fluorobiphenyl(S)	7.19	172	1723308	2092.62324	ppb	0.00
Spiked Amount 3333.333			Recovery =	62.779%		
61) 2,4,6-Tribromophenol(S)	8.88	330	456024	4567.11223	ppb	0.00
Spiked Amount 6666.667			Recovery =	68.507%		
78) Terphenyl-D14(S)	11.56	244	2304296	2795.25123	ppb	0.01
Spiked Amount 3333.333			Recovery =	83.858%		

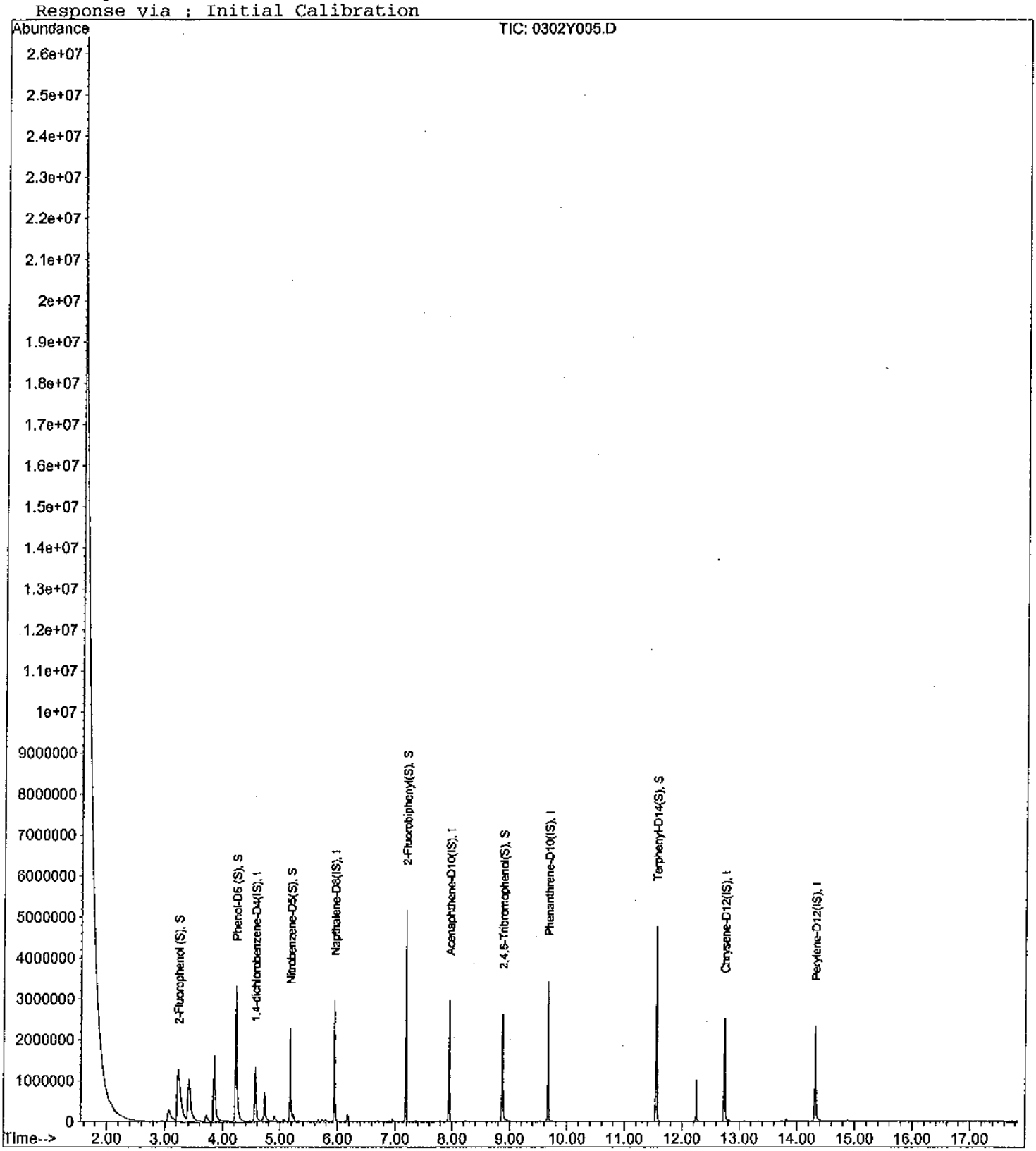
Target Compounds Qvalue

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

Data File : M:\YODA\DATA\Y120301B\0302Y005.D Vial: 5
Acq On : 2 Mar 12 19:20 Operator: LF
Sample : 120302A BLK 1/30.00G Inst : YODA
Misc : Multiplr: 33.33

Quant Time: Mar 5 8:57 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration



Data File : M:\YODA\DATA\Y120301B\0302Y006.D Vial: 6
Acq On : 2 Mar 12 19:45 Operator: LF
Sample : 120302A LCS-1 1/30.00G Inst : YODA
Misc : Multiplr: 33.33

Quant Time: Mar 5 10:57 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-dichlorobenzene-D4(IS)	4.57	152	403529	40.00000 ppb	0.00
20) Napthalene-D8(IS)	5.95	136	1518610	40.00000 ppb	0.00
38) Acenaphthene-D10(IS)	7.95	164	841049	40.00000 ppb	0.00
62) Phenanthrene-D10(IS)	9.67	188	1520865	40.00000 ppb	0.00
76) Chrysene-D12(IS)	12.76	240	1394977	40.00000 ppb	0.00
86) Perylene-D12(IS)	14.32	264	1343336	40.00000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol (S)	3.23	112	1809731	4105.98100 ppb	-0.01
Spiked Amount 6666.667			Recovery =	61.590%	
5) Phenol-D6 (S)	4.24	99	2385110	4570.05815 ppb	0.00
Spiked Amount 6666.667			Recovery =	68.551%	
21) Nitrobenzene-D5(S)	5.18	82	975415	2256.37133 ppb	0.00
Spiked Amount 3333.333			Recovery =	67.691%	
44) 2-Fluorobiphenyl(S)	7.20	172	1982067	2245.18374 ppb	0.00
Spiked Amount 3333.333			Recovery =	67.356%	
61) 2,4,6-Tribromophenol(S)	8.89	330	521612	4873.11854 ppb	0.00
Spiked Amount 6666.667			Recovery =	73.097%	
78) Terphenyl-D14(S)	11.56	244	2436269	2786.28989 ppb	0.00
Spiked Amount 3333.333			Recovery =	83.589%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.95	42	204648	830.00145 ppb	98
3) Pyridine	1.98	52	200664	607.33659 ppb	97
6) Phenol	4.25	94	709527	1005.57814 ppb	94
7) Aniline	4.32	93	562615	1025.12841 ppb	99
8) Bis (2-chloroethyl) ether	4.32	63	513494	1220.15063 ppb	91
9) 2-Chlorophenol	4.36	128	514594	985.25020 ppb	99
10) 1,3-DCB	4.50	146	553412	944.02629 ppb	100
11) 1,4-DCB	4.59	146	556702	924.76635 ppb	99
12) Benzyl alcohol	4.75	79	367036	922.35943 ppb	97
13) 1,2-DCB	4.74	146	521779	945.56854 ppb	99
14) 2-Methylphenol	4.88	108	474015	988.14463 ppb	98
15) Bis (2-chloroisopropyl) et	4.88	45	813340	1025.76808 ppb	99
16) Acetophenone	5.02	105	661056	959.92512 ppb	97
17) 3&4-Methylphenol	5.05	107	1097703	2018.95485 ppb	97
18) n-Nitrosodi-n-propylamine	5.03	43	444640	1044.10808 ppb	99
19) Hexachloroethane	5.09	117	188862	933.78422 ppb	99
22) Nitrobenzene	5.20	77	535039	1028.55981 ppb	100
23) Isophorone	5.47	82	986009	1062.07691 ppb	96
24) 2-Nitrophenol	5.54	139	301006	1043.47120 ppb	98
25) 2,4-Dimethylphenol	5.62	107	494156	989.31681 ppb	96
26) Benzoic acid	5.82	105	140579	640.30501 ppb	95
27) Bis (2-chloroethoxy) metha	5.71	93	586624	1051.48682 ppb	90
28) 2,4-Dichlorophenol	5.82	162	426065	1048.44075 ppb	98
29) 1,2,4-Trichlorobenzene	5.89	180	440944	1001.10437 ppb	99
30) Naphthalene	5.97	128	1561544	1022.15350 ppb	99
31) 4-Chloroaniline	6.06	127	528490	982.85688 ppb	97
32) 2,6-Dichlorophenol	6.06	162	409044	1029.72907 ppb	99
33) Hexachloropropene	6.06	213	256203	1049.04213 ppb	98
34) Hexachlorobutadiene	6.11	225	222538	997.95086 ppb	100
35) Caprolactum	6.53	113	184013	1116.70730 ppb	96
36) 4-Chloro-3-methylphenol	6.65	107	455442	1053.34016 ppb	94
37) 2-Methylnaphthalene	6.76	142	1098983	1077.73269 ppb	99

200664 x 40 x 33.33
403529 x 1.092
= 607
LF 3/9/12

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

Data File : M:\YODA\DATA\Y120301B\0302Y006.D Vial: 6
Acq On : 2 Mar 12 19:45 Operator: LF
Sample : 120302A LCS-1 1/30.00G Inst : YODA
Misc : Multiplr: 33.33

Quant Time: Mar 5 10:57 2012 Quant Results File: Y827AF.RES

Quant Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration
DataAcq Meth : Y8270AQ

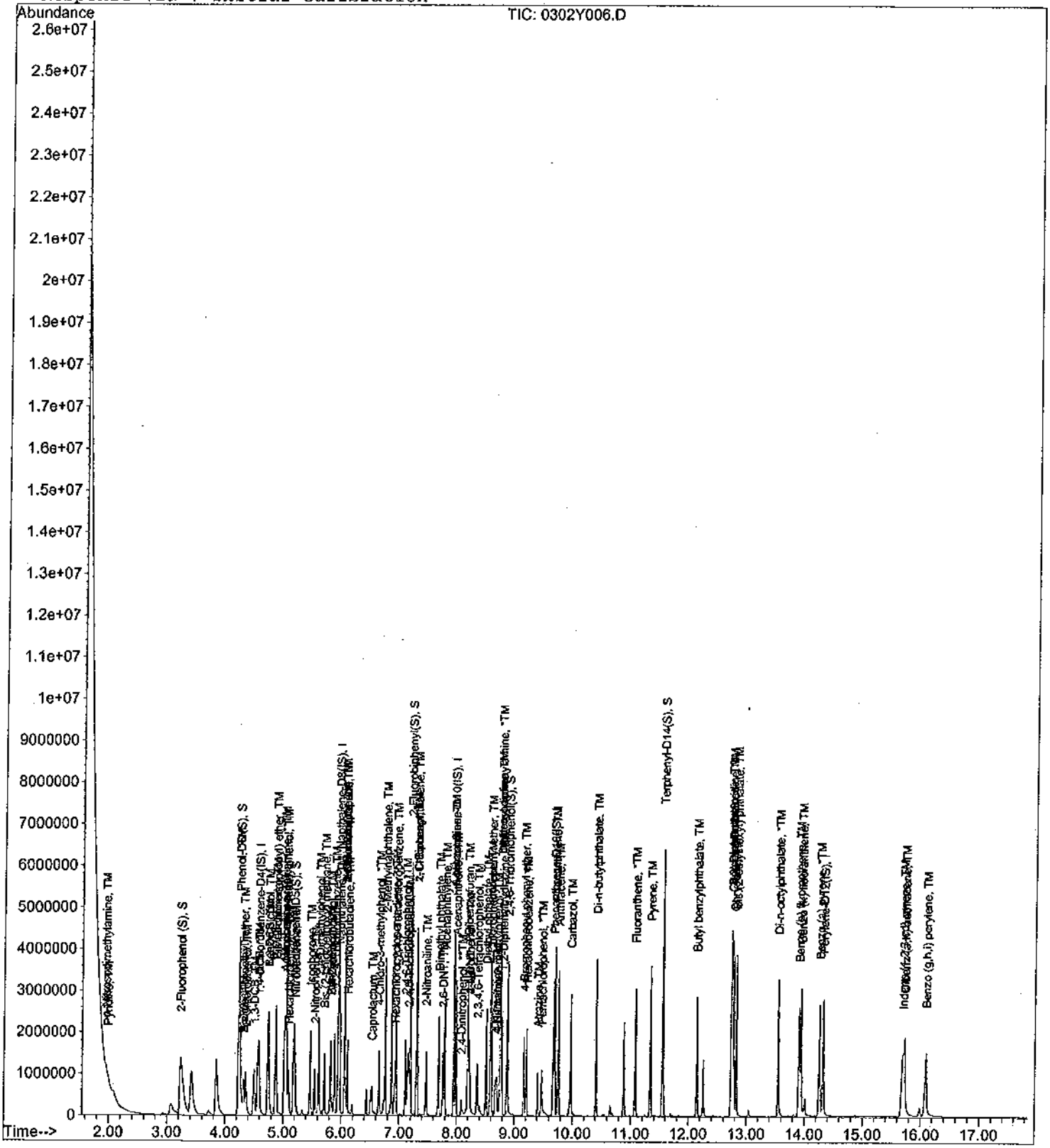
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39) Hexachlorocyclopentadiene	6.93	237	161368	883.74267	ppb		98
40) 1,2,4,5-Tetrachlorobenzene	6.95	216	423998	1029.04651	ppb		97
41) 2,4,6-Trichlorophenol	7.10	196	296031	1054.93986	ppb		98
42) 2,4,5-Trichlorophenol	7.17	196	314538	1048.80667	ppb		98
43) 2-Chloronaphthalene	7.32	162	945736	1038.46483	ppb		98
45) 1,1'-Biphenyl	7.31	154	1278995	1090.68434	ppb		98
46) 2-Nitroaniline	7.47	138	372455	1075.70971	ppb		83
47) Dimethyl phthalate	7.69	163	1124122	1083.13731	ppb		96
48) 2,6-DNT	7.76	165	266246	1088.72984	ppb	#	79
49) Acenaphthylene	7.79	152	1581489	1044.90354	ppb		100
50) 3-Nitroaniline	7.95	65	332325	999.84613	ppb		89
51) Acenaphthene	7.98	154	943163	1051.63715	ppb		99
52) 2,4-Dinitrophenol	8.08	184	109703	920.10892	ppb	#	70
53) 4-Nitrophenol	8.21	109	103690	1047.70108	ppb		95
54) Dibenzofuran	8.19	139	700956	1141.23940	ppb		98
55) 2,4-DNT	8.22	165	357895	1059.57002	ppb		86
56) 2,3,4,6-Tetrachlorophenol	8.36	232	240308	1074.76691	ppb		99
57) Diethyl phthalate	8.51	149	1128323	1094.40974	ppb		98
58) 4-Chlorophenyl phenyl ethe	8.61	204	545587	1097.41090	ppb		95
59) Fluorene	8.59	165	1028158	1068.14834	ppb		100
60) 4-Nitroaniline	8.68	138	264516	986.50824	ppb		96
63) Diphenyl amine	8.76	168	1091618	1066.31976	ppb		100
64) 4,6-Dinitro-2-methylphenol	8.70	198	206629	1042.34742	ppb		88
65) n-Nitrosodiphenylamine	8.76	167	582965	1072.80410	ppb		98
66) 1,2-Diphenylhydrazine	8.79	182	335691	1075.62739	ppb	#	59
67) 4-Bromophenyl phenyl ether	9.17	248	285492	1096.37791	ppb		98
68) Hexachlorobenzene	9.21	284	297305	1055.24587	ppb	#	78
69) Atrazine	9.40	200	122876	2664.23236	ppb		96
70) Pentachlorophenol	9.47	266	189591	1212.79635	ppb		99
71) Phenanthrene	9.70	178	1608135	1059.45347	ppb		100
72) Anthracene	9.76	178	1628167	1043.18613	ppb		99
73) Carbazol	9.97	167	1472537	1047.77726	ppb		99
74) Di-n-butylphthalate	10.41	149	1847050	1117.61357	ppb		100
75) Fluoranthene	11.08	202	1702392	1098.34799	ppb		96
77) Pyrene	11.34	202	1726801	1047.85853	ppb	#	84
79) Butyl benzylphthalate	12.14	149	786970	1077.32783	ppb	#	76
80) 3,3'-Dichlorobenzidine	12.74	252	418409	928.12074	ppb		98
81) Benz (a) anthracene	12.74	228	1441252	1076.75671	ppb		100
82) Bis (2-ethylhexyl) phthala	12.82	149	1150046	1066.18013	ppb	#	93
83) Chrysene	12.78	228	1450967	1027.30226	ppb	#	97
84) Di-n-octylphthalate	13.54	149	1880732	1081.80383	ppb		100
85) Indeno (1,2,3-cd) pyrene	15.69	276	1525815	1071.59748	ppb		100
87) Benzo (b) fluoranthene	13.91	252	1487295	1054.88837	ppb	#	97
88) Benzo (k) fluoranthene	13.94	252	1441522	1107.95533	ppb		95
89) Benzo (a) pyrene	14.26	252	1388732	1092.34492	ppb		97
90) Dibenz (a,h) anthracene	15.73	278	1322698	1111.89695	ppb		98
91) Benzo (g,h,i) perylene	16.10	276	1322149	1129.57142	ppb		100

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

Data File : M:\YODA\DATA\Y120301B\0302Y006.D Vial: 6
Acq On : 2 Mar 12 19:45 Operator: LF
Sample : 120302A LCS-1 1/30.00G Inst : YODA
Misc : Multiplr: 33.33

Quant Time: Mar 5 10:57 2012 Quant Results File: Y827AF.RES

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C
Last Update : Mon Mar 05 10:46:48 2012
Response via : Initial Calibration

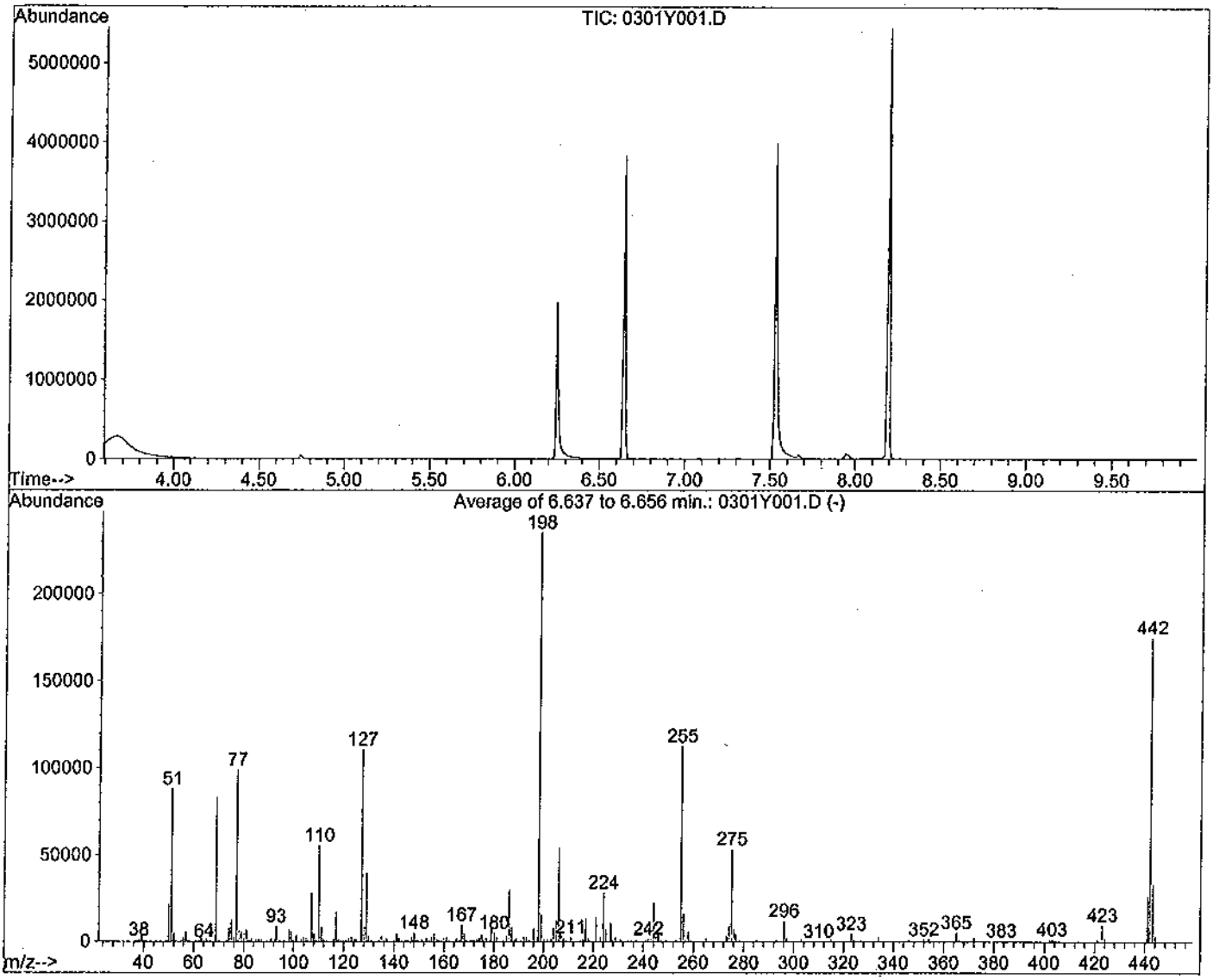


DFTPP

Data File : M:\YODA\DATA\Y120301B\0301Y001.D
Acq On : 1 Mar 12 18:36
Sample : SV TUNE 02-28-12
Misc :

Vial: 1
Operator: LF
Inst : YODA
Multiplr: 1.00

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C



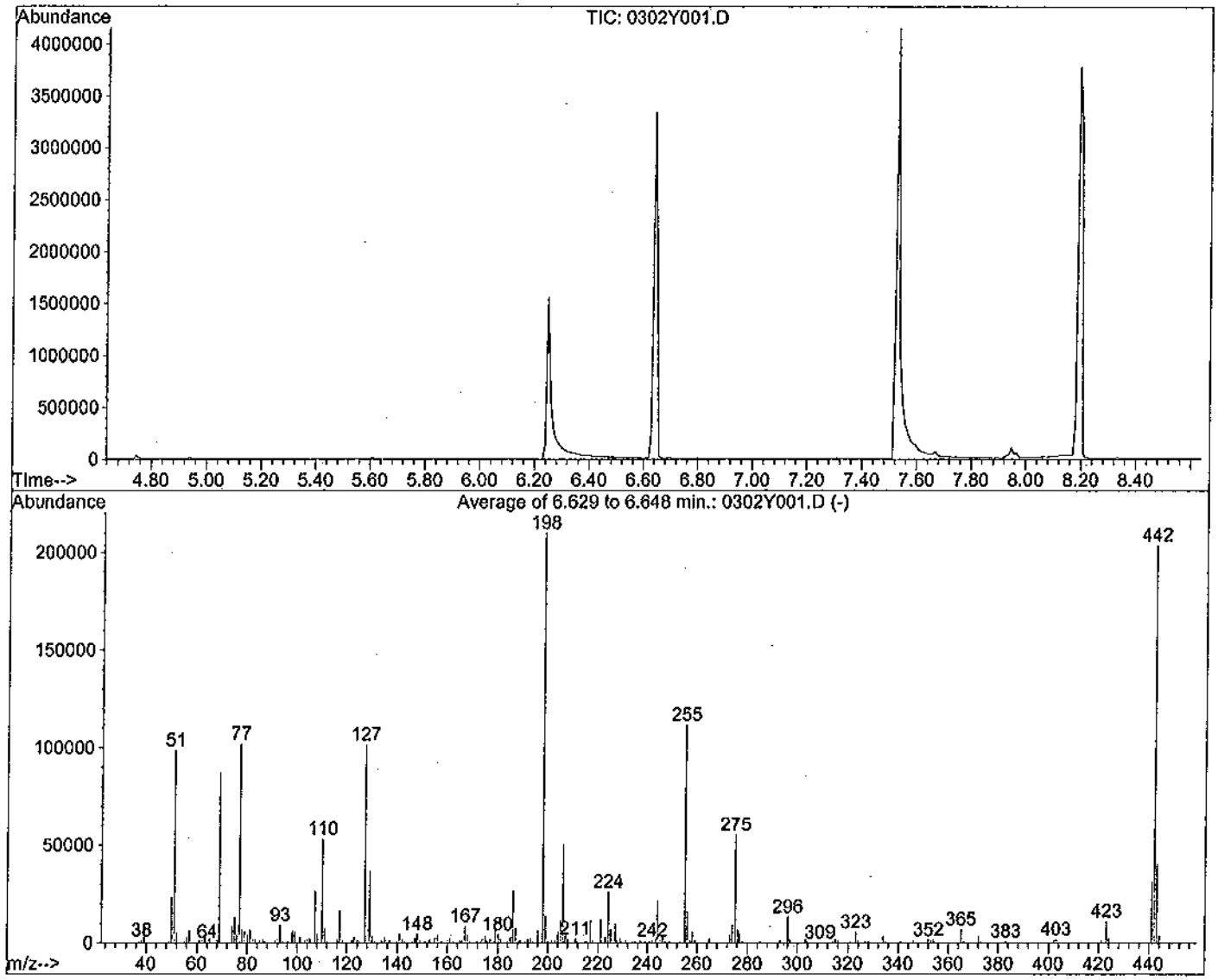
Spectrum Information: Average of 6.637 to 6.656 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.4	87963	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	444	PASS
127	198	40	60	46.9	110293	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	235262	PASS
199	198	5	9	6.6	15525	PASS
275	198	10	30	22.6	53203	PASS
365	198	1	100	2.2	5167	PASS
441	443	0.01	100	79.9	26397	PASS
442	198	40	150	74.3	174735	PASS
443	442	17	23	18.9	33049	PASS

DFTPP

Data File : M:\YODA\DATA\Y120301B\0302Y001.D Vial: 1
Acq On : 2 Mar 12 17:44 Operator: LF
Sample : SV TUNE 02-28-12 Inst : YODA
Misc : Multiplr: 1.00

Method : M:\YODA\DATA\Y120301B\Y827AF.M (RTE Integrator)
Title : EPA 8270C



Spectrum Information: Average of 6.629 to 6.648 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	46.9	98442	PASS
68	69	0.00	2	1.6	1427	PASS
70	69	0.00	2	0.4	350	PASS
127	198	40	60	48.3	101491	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	210083	PASS
199	198	5	9	6.7	14130	PASS
275	198	10	30	26.3	55148	PASS
365	198	1	100	3.3	6835	PASS
441	443	0.01	100	77.6	31405	PASS
442	198	40	150	96.9	203552	PASS
443	442	17	23	19.9	40477	PASS

VF 1/17/11

PREP DATE:	01-17-11					
8270C Stock/Spike Standard						
Exp:	05-29-11					
		Conc.		Date	CODE:	P
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
Absolute	10001	2000	032009-28092	01/17/11	03-20-12	1000
Absolute	10001	2000	032009-28091	01/17/11	03-20-12	1000
Absolute	10002	2000	073109-27974	01/17/11	07-31-12	1000
Absolute	10002	2000	073109-27973	01/17/11	07-31-12	1000
Absolute	10004	2000	101509-27979	01/17/11	10-15-14	1000
Absolute	10004	2000	101509-27978	01/17/11	10-15-14	1000
Absolute	10005	2000	061209-27984	01/17/11	06-12-14	1000
Absolute	10005	2000	061209-27983	01/17/11	06-12-14	1000
Absolute	10006	2000	120810-27989	01/17/11	12-08-13	1000
Absolute	10006	2000	120810-27988	01/17/11	12-08-13	1000
Absolute	10007	2000	100909-28010	01/17/11	10-09-14	1000
Absolute	10007	2000	100909-28013	01/17/11	10-09-14	1000
Absolute	10018	2000	073109-27994	01/17/11	07-31-14	1000
Absolute	10018	2000	073109-27993	01/17/11	07-31-14	1000
Absolute	70023	1000	080310-28008	01/17/11	08-03-15	1000
Absolute	70023	1000	080310-28009	01/17/11	08-03-15	1000
Absolute	82705	2000	121010-27999	01/17/11	12-10-13	1000
Absolute	82705	2000	121010-27998	01/17/11	12-10-13	1000
Absolute	94552	2000	052908-28004	01/17/11	05-29-11	1000
Absolute	94552	2000	052908-28003	01/17/11	05-29-11	1000
					Final Vol	20000

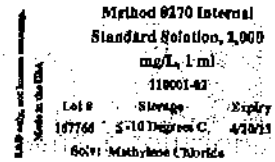
VF 1/25/11

PREP DATE:	01-25-11																
8270T STANDARD CURVE																	
Exp:	02-24-11					0.1	0.2	1	5	10	20	40	50	60	80	100	
		Conc.		Date													
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date			µL	µL	µL	µL	µL	µL	µL	µL	µL	
	8270T Stock	200		12/17/10	05-29-11	0	0	0	5	5	10	20	25	30	40	50	
	5.0ug/mL			01/25/11		0	0	20	0	0	0	0	0	0	0	0	
	1.0ug/mL			01/25/11		10	20	0	0	0	0	0	0	0	0	0	
	Surrogate Stock	VAR	160518-27570	11/11/10	11-11-11	0	0	0	5	5	10	20	25	30	40	50	
EM Science	Methylene Chloride		47080			90	80	80	190	90	80	60	50	40	20	0	
					Final Vol.			100	200	100	100	100	100	100	100	100	

VF 1/25/11

PREP DATE:	01-25-11					
8270 Second Source (SS) 50ug/mL						
						50
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		10/06/10	10-06-11	25
EM Science	Methylene Chloride		47080			75
					Final Vol.	100

VF 1/25/11



VF

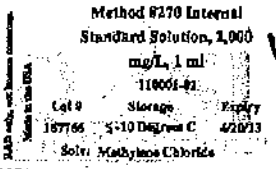
exp 1/25/12

8270 Internal Standard

Lot #: 167766 - 28148

Rec: 1/20/11 MFR exp. 04/20/13

VF 1/25/11



VF

exp 1/25/12

8270 Internal Standard

Lot #: 167768 - 28147

Rec: 1/20/11 MFR exp. 04/20/13

LF 3/23/11

Part #: 94552 Laboratory Use Only-See MSDS
Lot #: 052908 Exp: 052911 1 mL
Semi-Volatile Standard
11 componente
Varied ug/mL in
ABSOLUTE STANDA
Semi-Volatile Standard
Lot #: 052908 - 28001
Rec: 12/16/10 MFR exp. 05/29/11

exp 5/29/11

LF 3/23/11

Part #: 94552 Laboratory Use Only-See MSDS
Lot #: 052908 Exp: 052911 1 mL
Semi-Volatile Standard
11 componente
Varied ug/mL in
ABSOLUTE STANDA
Semi-Volatile Standard
Lot #: 052908 - 28002
Rec: 12/16/10 MFR exp. 05/29/11

exp 5/29/11

LF 3/23/11

Part #: 82705
Lot #: 121010 Laboratory Use Only - See MSDS
Exp: 121013 Storage 4 °C
EPA Method 8270A
4 components
2000 ug/mL in ace
EPA Method 8270A-Mix#11
Lot #: 121010 - 27996
Rec: 12/16/10 MFR exp. 12/10/13
ABSOLUTE STANDARDS, INC.

exp 5/29/11

LF 3/23/11

Part #: 82705
Lot #: 121010 Laboratory Use Only - See MSDS
Exp: 121013 Storage 4 °C
EPA Method 8270A - Mix #11
4 components
2000 ug/mL in ace
EPA Method 8270A-Mix#11
Lot #: 121010 - 27997
Rec: 12/16/10 MFR exp. 12/10/13
ABSOLUTE STANDA

exp 5/29/11

LF 3/23/11

PREP DATE:	03-23-11					
8270C Stock/Spike Standard						
Exp:	05-29-11					
		Conc.		Date	CODE:	P
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
Absolute	10001	2000	032009-28089	03/23/11	03-20-12	1000
Absolute	10001	2000	320009-28090	03/23/11	03-20-12	1000
Absolute	10002	2000	073109-27971	03/23/11	07-31-12	1000
Absolute	10002	2000	073109-27972	03/23/11	07-31-12	1000
Absolute	10004	2000	101509-27976	03/23/11	10-15-14	1000
Absolute	10004	2000	101509-27977	03/23/11	10-15-14	1000
Absolute	10005	2000	061209-27981	03/23/11	06-12-14	1000
Absolute	10005	2000	061209-27982	03/23/11	06-12-14	1000
Absolute	10006	2000	120810-27986	03/23/11	12-08-13	1000
Absolute	10006	2000	120810-27987	03/23/11	12-08-13	1000
Absolute	10007	2000	100909-28015	03/23/11	10-09-14	1000
Absolute	10007	2000	100909-28014	03/23/11	10-09-14	1000
Absolute	10018	2000	073109-27991	03/23/11	07-31-14	1000
Absolute	10018	2000	073109-27992	03/23/11	07-31-14	1000
Absolute	70023	1000	080310-28006	03/23/11	08-03-15	1000
Absolute	70023	1000	080310-28007	03/23/11	08-03-15	1000
Absolute	82705	2000	052908-28001	03/23/11	05-29-11	1000
Absolute	82705	2000	052908-28002	03/23/11	05-29-11	1000
Absolute	94552	2000	121010-27996	03/23/11	12-10-13	1000
Absolute	94552	2000	121010-27997	03/23/11	12-10-13	1000
					Final Vol	20000

LF 3/23/11

SVM IS exp 1/25/12
1500µL EM Science MC Lot #47080
100µL 8270 IS opened 1/25/11 exp 1/25/12

VF 3/28/12

o2si — 8270 BN:A (200:400) Surrogate Solution, 1 ml
110004-17 — Storage: <=-10 Degrees C
Made in USA Lot No. 160538 — Solvent: Methylene Chloride
Exp: 6/10/2012
Date Opened: 8270 BN:A (200:400) Surrogate Solution
Lot #: 160538 - 27574
Rec: 10/18/10 MFR exp. 06/10/12

VF exp 3/28/12

VF 3/28/12

PREP DATE:	03-28-11															
8270T STANDARD CURVE																
Exp:	04-27-11															
		Conc.		Date		0.1	0.2	1	5	10	20	40	50	60	80	100
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date			µL	µL	µL	µL	µL	µL	µL	µL	µL
	8270T Stock	200		03/23/11	05-29-11	0	0	0	5	5	10	20	25	30	40	50
	5.0ug/mL			03/28/11		0	0	20	0	0	0	0	0	0	0	0
	1.0ug/mL			03/28/11		10	20	0	0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27574	03/28/11	03-28-12	0	0	0	5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47080			90	80	80	190	90	80	60	50	40	20	0
					Final Vol.			100	200	100	100	100	100	100	100	100

VF 3/28/12

PREP DATE:	03-28-11					
8270 Second Source (SS) 50ug/mL						50 VF
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		10/06/10	10-06-11	25
EH Science	Methylene Chloride		47080			75
					Final Vol.	100

VF 4/18/11 exp

GCM-160-1
Lot: CF-2995
Exp: 08/31/2011
ULTRA 1 mL
Semi-Volatiles GC/MS Tuning Standard
4 analyte(s) at 1000 µg/mL in dichloromethane
250 Smith St, No Kingstown, RI 02852 USA
Semi-volatiles GC/MS Tuning Standard
Lot #: CF-2995 - 26131
Rec: 2/17/10 MFR exp. 08/31/11

VF exp 8/31/11

VF 4/13/11 VF

PREP DATE:	04-13-11					
SV Tune Mix 50ug/ml						VF
Exp:	08-31-11					
		Conc.		Date	CODE:	B
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
U. Scientific	GCM-150	1000	CF-2995-26131	04/13/11	08-31-11	1000
EM Science	MeCl2		47080			19000
					Final Vol	20000

exp 8/31/11

VF 4/20/11

8270D PAH SIM Solution, 200 mg/L, 1 ml
110780-01
Lot # 170253 — Storage -5 -10 Degrees C — Expiry 3/3/13
Solv: Methylene Chloride

VF exp 4/20/12

8270D PAH SIM
Lot #: 170253 - 28485
Rec: 3/10/11 MFR exp. 3/3/2013

VF 4/20/11

8270D PAH SIM Solution, Second Source, 200 mg/L, 1 ml
110780-01-SS
Lot # 170256 — Storage -5 -10 Degrees C — Expiry 3/3/13
Solv: Methylene Chloride

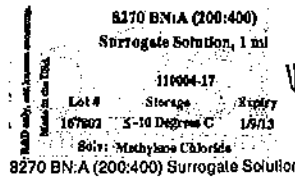
VF exp 4/20/12

8270D PAH SIM (SS)
Lot #: 170256 - 28487
Rec: 3/10/11 MFR exp. 3/3/2013

VF 8/16/11

PREP DATE:	08/16/11		exp:	08/23/11			
10ug/mL 1,2,3-TCP							
	50uL of 1000ug/mL 1,2,3 TCP into a final volume of 5mL of P&T Methanol						
	1000ug/mL 1,2,3 TCP date code:				05/27/11		
	P & T Methonal Lot #				9077-02		
PREP DATE:	08/16/11		exp:	08/23/11			
1ug/mL 1,2,3-TCP							
	5uL of 1000ug/mL 1,2,3 TCP into a final volume of 5mL of P&T Methanol						
	1000ug/mL 1,2,3 TCP date code:				05/27/11		
	P & T Methanol Lot #			JT Baker H46E44			
PREP DATE:	08/16/11		exp:	08/23/11			
2ug/mL 1,2,3-TCPd5							
	10uL of 2000ug/mL 1,2,3 TCP into a final volume of 10mL of P&T Methanol						
	2000ug/mL 1,2,3 TCP-d5 date code:				05/27/11		
	P & T Methanol Lot #				9077-02		

VF 8/22/11



VF exp 8/22/12

8270 BN:A (200:400) Surrogate Solution
Lot #: 167802 - 29313
Rec: 8/8/11 MFR exp. 01/09/13

VF 8/22/11

PREP DATE:	08-22-11													
8270 STANDARD CURVE														
Exp:	08-29-11						5	10	20	40	50	60	80	100
		Conc.		Date										
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date		µL	µL	µL	µL	µL	µL	µL	µL
	8270T Stock	200		07/26/11	01-26-12		5	5	10	20	25	30	40	50
	Surrogate Stock	VAR	167802-29313	08/22/11	08-22-12		5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47186				190	90	80	60	50	40	20	0
						Final Vol.	200	100	100	100	100	100	100	100

VF 8/22/11

PREP DATE:	08-22-11						
8270 Second Source (SS) 50ug/mL							
						50	VF
		Conc.		Date	CODE:		
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	
	8270C SS	200		10/06/10	10-06-11	25	
EM Science	Methylene Chloride		47186			75	
					Final Vol.	100	

VF 9/21/11

PREP DATE:	09-21-11													
8270 SIM STANDARD CURVE														
							0.10	0.20	0.50	1.00	5.00	10.00	50.00	100.00
		Conc.		Date	CODE:		A	A	C	D	E	F	G	H
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date		µL	µL	µL	µL	µL	µL	µL	µL
	8270D PAH SIM	200	170253-28485	04/20/11	04-20-12		0	0	0	0	5	5	25	50
	5.0ug/mL	5		09/21/11			0	0	10	20	0	0	0	0
	1.0ug/mL	1		09/21/11			10	20	0	0	0	0	0	0
	Surrogate Stock	VAR	167802-29313	08/22/11	08-23-11		0	0	0	0	5	5	25	50
EM Science	Methylene Chloride		47186				90	80	90	80	190	90	50	0
						Final Vol.	100	100	100	100	200	100	100	100

PREP DATE:	09-21-11						
SIM 8270 Second Source (5µg/mL)							
Exp:	10-05-11						
				Conc.	Date	CODE:	
Supplier	ID #		Lot #	µg/mL	Code	Exp.Date	µL
	8270D PAH SIM (SS)		170256-28487	200	04/20/11	04-20-12	5
	MeCl2			Lot#47186			195
					Final Volume		200

8270 BN Solution 14-4, 2,000 mg/L, 1 ml

Cat. No: 110391-01
Lot No: 158119
8270BN Solution 14-4
Lot #: 158119 - 28021
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
d: _____

8270 BN Solution 14-3, 2,000 mg/L, 1 ml

Cat. No: 110392-01
Lot No: 158120
8270BN Solution 14-3
Lot #: 158120 - 28023
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
ened: _____

8270 Acid Solution 4-6, 2,000 mg/L, 1 ml

Cat. No: 110393-01
Lot No: 158121
8270B Acid Solution 4-6
Lot #: 158121 - 28025
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
ned: _____

TCL Hazardous Substances Solution 2, 2,000 mg/L, 1 ml

Cat. No: 110394-01
Lot No: 158122
TCL Hzd. Soln. 2
Lot #: 158122 - 28018
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
d: _____

PAH Solution 17-3, 2,000 mg/L, 1 ml

Cat. No: 116070-02
Lot No: 158123
PAH Solution
Lot #: 158123 - 28027
Rec: 12/16/10 MFR exp. 07/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
d: _____

8270 Acid Solution 13-4, 2,000 mg/L, 1 ml

Cat. No: 110396-01
Lot No: 158124
8270 Acid Solution 13-4
Lot #: 158124 - 28029
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
d: _____

10/10/11

8270 BN Solution 4-21, 2,000 mg/L, 1 ml

o2si
Cat. No: 110395-01
Lot No: 158125
8270BN Solution 4-21
Lot #: 158125 - 28031
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

UF exp 10/12/12

10/10/11

8270 11 Compound Custom Mix, 200:2,000 mg/L, 1 ml

o2si
Cat. No: 110397-01
Lot No: 158127
8270 11 Compound Mix
Lot #: 158127 - 28033
Rec: 12/16/10 MFR exp. 04/12/12

Exp: 4/12/2012
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

UF exp 4/12/12

10/10/11

Atrazine Solution, 1,000 mg/L, 1 ml

o2si
Cat. No: 010337-01
Lot No: 158126
Atrazine
Lot #: 158126 - 28019
Rec: 12/16/10 MFR exp. 04/12/12

Exp: 4/12/2012
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

UF exp 4/12/12

10/10/11

PREP DATE:	10-11-11					
8270C Second Source Stock Standard						
Exp:	04-12-12					
		Conc.		Date	CODE:	P
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
O2SI	110391-01	2000	158119-28021	10-11-11	04-17-13	1000
O2SI	110392-01	2000	158120-28023	10-11-11	04-17-13	1000
O2SI	110393-01	2000	158121-28025	10-11-11	04-17-13	1000
O2SI	110394-01	2000	158122-28018	10-11-11	04-17-13	1000
O2SI	116070-02	2000	158123-28027	10-11-11	04-17-13	1000
O2SI	110395-01	2000	158125-28031	10-11-11	04-17-13	1000
O2SI	110396-01	2000	158124-28029	10-11-11	04-17-13	1000
O2SI	110397-01	2000	158127-28033	10-11-11	04-12-12	1000
O2SI	010337-01	1000	158126-28019	10-11-11	04-12-12	1000
EM Science	MeCl2		47186			1000
					Final Vol	10000

10/10/11

PREP DATE:	10-11-11												
8270 STANDARD CURVE													
Exp:	10-18-11						5	10	20	40	50	60	80	100
		Conc.		Date										
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date		µL	µL	µL	µL	µL	µL	µL	µL
	8270T Stock	200		07/26/11	01-26-12		5	5	10	20	25	30	40	50
	Surrogate Stock	VAR	167802-29313	08/22/11	08-22-12		5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47186				190	90	80	60	50	40	20	0
						Final Vol.	200	100	100	100	100	100	100	100

10/10/11

PREP DATE:	10-11-11					
8270 Second Source (SS) 50ug/mL						
						50
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		10/11/11	04-12-12	25
EM Science	Methylene Chloride		47186			75
					Final Vol.	100

10/10/11

GCM-160-1
Lot: CH-2137
Exp: 07/31/2013
ULTRA 1 mL
Semi-Volatiles GC/MS Tuning Standard
4 analyte(s) at 1000 µg/mL in dichloromethane
For Lab Use Only

50µg/mL SV Tune Mix
1ml of GCM-150-1 opened 10/11/11 into 19mls EM Science MC Lot 47186
exp 10/11/12

LF 10/18/11

Part #: 10001
Lot #: 042910
Laboratory Use Only - See MSDS
Exp: 042913 Storage 0 °C
CLP Semi-Volatiles Base/Neutrals Mix #1
14 components
2000 ug/mL in methy
ABSOLUTE STANDARD
CLP Semi-Volatiles Base/Neutrals Mix #1
Lot #: 042910 - 28440
Rec: 3/8/11 MFR exp. 4/29/2013

exp 10/18/12

LF 10/18/11

Part #: 10001
Lot #: 042910
Laboratory Use Only - See MSDS
Exp: 042913 Storage 0 °C
CLP Semi-Volatiles Base/Neutrals Mix #1
14 components
2000 ug/mL in m
ABSOLUTE STANDA
Lot #: 042910 - 29085
Rec: 8/4/11 MFR exp. 04/29/13

exp 10/18/12

LF 10/18/11

Part #: 10002
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073112 Storage 4 °C
CLP Semi-Volatiles Base/Neutrals Mix #2
14 components
2000 ug/mL in methyle
ABSOLUTE STANDARDS
CLP Semi-Volatiles Base/Neutrals Mix #2
Lot #: 073109 - 28446
Rec: 3/8/11 MFR exp. 7/31/2012

exp 7/31/12

LF 10/18/11

Part #: 10002
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073112 Storage 4 °C
CLP Semi-Volatiles Base/Neutrals Mix #2
14 components
2000 ug/mL in met
ABSOLUTE STANDAF
CLP Semi-Volatiles Base Neutrals Mix #2
Lot #: 073109 - 29080
Rec: 8/4/11 MFR exp. 07/31/12

exp 7/31/12

LF 10/18/11

Part #: 10004
Lot #: 101509
Laboratory Use Only - See MSDS
Exp: 101514 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #1
4 components
2000 ug/mL in methyl
ABSOLUTE STANDARDS
CLP Semi-Volatiles Toxic Substances #1
Lot #: 101509 - 28453
Rec: 3/8/11 MFR exp. 10/15/201

exp 10/18/12

LF 10/18/11

Part #: 10004
Lot #: 101509
Laboratory Use Only - See MSDS
Exp: 101514 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #1
4 components
2000 ug/mL in meti
ABSOLUTE STANDAR
CLP Semi-Volatiles Toxic Substances #1
Lot #: 101509 - 29095
Rec: 8/4/11 MFR exp. 10/15/14

exp 10/18/12

LF 10/18/11

Part #: 10005
Lot #: 061209
Laboratory Use Only - See MSDS
Exp: 061214 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #2
8 components
2000 ug/mL in methy
ABSOLUTE STANDARD
CLP Semi-Volatiles Toxic Substances #2
Lot #: 061209 - 28458
Rec: 3/8/11 MFR exp. 6/12/2014

exp 10/18/12

LF 10/18/11

Part #: 10005
Lot #: 121208
Laboratory Use Only - See MSDS
Exp: 121213 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #2
8 components
2000 ug/mL in met
ABSOLUTE STANDAR
CLP Semi-Volatiles Toxic Substances #2
Lot #: 121208 - 29100
Rec: 8/4/11 MFR exp. 12/12/13

exp 10/18/12

Part #: 10006
Lot #: 120810
Laboratory Use Only - See MSDS
Exp: 120813 Storage 4 °C
CLP Semi-Volatiles - Benzidines
2 componente
2000 ug/mL in methar
ABSOLUTE STANDARD
CLP Semi-Volatiles - Benzidines
Lot #: 120810 - 28462
Rec: 3/8/11 MFR exp. 12/8/2013

exp 10/18/12

Part #: 10006
Lot #: 071211
Laboratory Use Only - See MSDS
Exp: 071214 Storage 4 °C
CLP Semi-Volatiles - Benzidines
2 components
2000 ug/mL in meti
ABSOLUTE STANDAF
Lot #: 071211 - 29105
Rec: 8/4/11 MFR exp. 07/12/14

exp 10/18/12

Part #: 10007
Lot #: 100909
Laboratory Use Only - See MSDS
Exp: 100914 Storage 4 °C
CLP Semi-Volatiles - PAH Standard
17 componente
2000 ug/mL in methy
ABSOLUTE STANDAR
CLP Semi-Volatiles - PAH Mix
Lot #: 100909 - 28469
Rec: 3/8/11 MFR exp. 10/9/2014

exp 10/18/12

Part #: 10007
Lot #: 100909
Laboratory Use Only - See MSDS
Exp: 100914 Storage 4 °C
CLP Semi-Volatiles - PAH Standard
17 componente
2000 ug/mL in meti
ABSOLUTE STANDAR
CLP Semi-Volatiles - PAH Mix
Lot #: 100909 - 29110
Rec: 8/4/11 MFR exp. 10/09/14

exp 10/18/12

Part #: 10018
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073114 Storage 4 °C
EPA Method 8270A - Analytes Mix #8
13 componente - Pher
2000 ug/mL in methyl
ABSOLUTE STANDARD
CLP Semi-Volatiles Mix #8 - Phenols
Lot #: 073109 - 28410
Rec: 3/8/11 MFR exp. 7/31/2014

exp 10/18/12

Part #: 10018
Lot #: 062111
Laboratory Use Only - See MSDS
Exp: 062116 Storage 4 °C
EPA Method 8270A - Analytes Mix #8
13 componente - Ph
2000 ug/mL in meth
ABSOLUTE STANDARI
EPA Method 8270A - Analytes Mix #8
Lot #: 062111 - 29115
Rec: 8/4/11 MFR exp. 06/21/16

exp 10/18/12

Part #: 70023
Lot #: 080310
Laboratory Use Only - See MSDS
Exp: 080315 Storage 4 °C
Atrazine
1000 ug/mL in aceto
ABSOLUTE STANDARI
Atrazine
Lot #: 080310 - 28416
Rec: 3/8/11 MFR exp. 8/13/2015

exp 10/18/12

Part #: 70023
Lot #: 031611
Laboratory Use Only - See MSDS
Exp: 031616 Storage 4 °C
Atrazine
1000 ug/mL in ace
ABSOLUTE STANDA
Atrazine
Lot #: 031611 - 29120
Rec: 8/4/11 MFR exp. 03/16/16

exp 10/18/12

_SON009GR

Organic Extraction Worksheet

Method	8270 Sonicat Ext. Methyl (GROSS) 3550B	Extraction Set	120302A	Extraction Method	SON009GROSS	Units	mL

Spiked ID 1	8270T Spike 02/13/12 BX 07/31/12		Surrogate ID 1	8270 Surrogate 177982-29476	
Spiked ID 2			Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	no	
Spiked ID 7			Ext. Start Time:		
Spiked ID 8			Ext. End Time:		
			GC Requires Extract By:	03/05/12 0:00	

pH1			Water Bath Temp Criteria	80 °C
pH2				
pH3				

Spiked By: DL **Date** 03/02/12 **Witnessed By:** GH **Date** 03/02/12

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	120302A Blk				1	1	30.00g	1	NA	03/02/12 12:10	
						equip	B-S5 E-WB5				
2	120302A LCS-1		0.250	1	1	1	30.00g	1	NA	03/02/12 12:10	
						equip	E-S4 E-WB5				
3	AY56027	AY56027S02			1	1	33.44g	1	NA	03/02/12 12:10	67099-3 DAY RUSH -- 4oz Jar
						equip	E-S3 E-WB5				

DRA 3-2-12

Solvent and Lot#	
MC	BMD51306
Na2SO4	2351C512
Acidified Na2SO4	10/31/11

Extraction COC Transfer	
Extraction lab employee Initials	DRA
GC analyst's initials	LF
Date	3/2/12
Time	1700
Refrigerator	Hood

	Technician's Initials
Scanned By	GH
Sample Preparation	GH
Extraction	IC
Concentration	IC

Modified	03/02/12 1:56:35 PM

Reviewed By: DRA **Date** 03/02/12

EPA METHOD 8260B
Volatile Organic Compounds

APPL, INC.

EPA METHOD 8260B
Volatile Organic Compounds
AFCEE Forms

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120302AS-164529
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
TB-1	AY56026

Comments: ARF: 67099

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

Signature: _____ Name: Diane Anderson

Date: 3-12-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120305AN-164483
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-SW1	AY56027

Comments: ARF: 67099

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

Signature: _____ Name: Diane Anderson

Date: 3-12-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 120302AS-164529
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: TB-1 Lab Sample ID: AY56026 Matrix: Water
% Solids: NA Initial Calibration ID: S120229
Date Received: 01-Mar-12 Date Prepared: 02-Mar-12 Date Analyzed: 02-Mar-12
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.09	0.5	0.09	1		U
1,1,1-TCA	0.03	0.8	0.03	1		U
1,1,2,2-TETRACHLOROETHANE	0.07	0.4	0.07	1		U
1,1,2-TCA	0.06	1.0	0.06	1		U
1,1-DCA	0.07	0.4	0.07	1		U
1,1-DCE	0.12	1.2	0.12	1		U
1,1-DICHLOROPROPENE	0.10	1.0	0.10	1		U
1,2,3-TRICHLOROBENZENE	0.24	0.3	0.24	1		U
1,2,3-TRICHLOROPROPANE	0.17	3.2	0.17	1		U
1,2,4-TRICHLOROBENZENE	0.16	0.4	0.16	1		U
1,2,4-TRIMETHYLBENZENE	0.04	1.3	0.04	1		U
1,2-DCA	0.05	0.6	0.05	1		U
1,2-DCB	0.02	0.3	0.02	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.76	2.6	0.76	1		U
1,2-DICHLOROPROPANE	0.06	0.4	0.06	1		U
1,2-EDB	0.06	0.6	0.06	1		U
1,3,5-TRIMETHYLBENZENE	0.04	0.5	0.04	1		U
1,3-DCB	0.03	1.2	0.03	1		U
1,3-DICHLOROPROPANE	0.05	0.4	0.05	1		U
1,4-DCB	0.07	0.3	0.07	1		U
1-CHLOROHEXANE	0.04	0.5	0.04	1		U
2,2-DICHLOROPROPANE	0.10	3.5	0.10	1		U
2-CHLOROTOLUENE	0.04	0.4	0.04	1		U
4-CHLOROTOLUENE	0.04	0.6	0.04	1		U
BENZENE	0.07	0.4	0.07	1		U
BROMOBENZENE	0.06	0.3	0.06	1		U
BROMOCHLOROMETHANE	0.11	0.4	0.11	1		U
BROMODICHLOROMETHANE	0.06	0.8	0.06	1		U
BROMOFORM	0.13	1.2	0.13	1		U
BROMOMETHANE	0.08	1.1	0.08	1		U
CARBON TETRACHLORIDE	0.06	2.1	0.06	1		U
CHLOROBENZENE	0.04	0.4	0.04	1		U
CHLOROETHANE	0.07	1.0	0.07	1		U
CHLOROFORM	0.06	0.3	0.06	1		U
CHLOROMETHANE	0.16	1.3	0.16	1		U

Comments:

ARF: 67099

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 120302AS-164529
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: TB-1 Lab Sample ID: AY56026 Matrix: Water
% Solids: NA Initial Calibration ID: S120229
Date Received: 01-Mar-12 Date Prepared: 02-Mar-12 Date Analyzed: 02-Mar-12
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.07	1.2	0.07	1		U
CIS-1,3-DICHLOROPROPENE	0.03	1.0	0.03	1		U
DIBROMOCHLOROMETHANE	0.06	0.5	0.06	1		U
DIBROMOMETHANE	0.06	2.4	0.06	1		U
DICHLORODIFLUOROMETHANE	0.11	1.0	0.11	1		U
ETHYLBENZENE	0.05	0.6	0.05	1		U
HEXACHLOROBUTADIENE	0.17	1.1	0.17	1		U
ISOPROPYLBENZENE	0.04	0.5	0.04	1		U
M&P-XYLENE	0.07	0.5	0.07	1		U
METHYLENE CHLORIDE	0.35	1.0	0.35	1		U
N-BUTYLBENZENE	0.17	1.1	0.17	1		U
N-PROPYLBENZENE	0.03	0.4	0.03	1		U
NAPHTHALENE	0.07	0.4	0.07	1		U
O-XYLENE	0.06	1.1	0.06	1		U
P-ISOPROPYLTOLUENE	0.05	1.2	0.05	1		U
SEC-BUTYLBENZENE	0.05	1.3	0.05	1		U
STYRENE	0.08	0.4	0.08	1		U
TCE	0.05	1.0	0.05	1		U
TERT-BUTYLBENZENE	0.04	1.4	0.04	1		U
TETRACHLOROETHENE	0.06	1.4	0.06	1		U
TOLUENE	0.06	1.1	0.06	1		U
TRANS-1,2-DCE	0.08	0.6	0.08	1		U
TRANS-1,3-DICHLOROPROPENE	0.04	1.0	0.04	1		U
TRICHLOROFLUOROMETHANE	0.07	0.8	0.07	1		U
VINYL CHLORIDE	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	97.9	69-139	
SURROGATE: 4-BROMOFLUOROBENZE	94.8	75-125	
SURROGATE: DIBROMOFLUOROMETH	95.9	75-125	
SURROGATE: TOLUENE-D8 (S)	96.1	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67099

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120305AN-164483
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW1 Lab Sample ID: AY56027 Matrix: Soil
% Solids: 89.8 Initial Calibration ID: N120305
Date Received: 01-Mar-12 Date Prepared: 05-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,1,2-TETRACHLOROETHANE	0.0008	0.003	0.0008	1		U
1,1,1-TCA	0.0009	0.004	0.0009	1		U
1,1,2,2-TETRACHLOROETHANE	0.0009	0.002	0.0009	1		U
1,1,2-TCA	0.0009	0.005	0.0009	1		U
1,1-DCA	0.0010	0.002	0.0010	1		U
1,1-DCE	0.0011	0.006	0.0011	1		U
1,1-DICHLOROPROPENE	0.0012	0.005	0.0012	1		U
1,2,3-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,3-TRICHLOROPROPANE	0.001	0.020	0.001	1		U
1,2,4-TRICHLOROBENZENE	0.0010	0.004	0.0010	1		U
1,2,4-TRIMETHYLBENZENE	0.0011	0.007	0.0011	1		U
1,2-DCA	0.0010	0.003	0.0010	1		U
1,2-DCB	0.0010	0.002	0.0010	1		U
1,2-DIBROMO-3-CHLOROPROPANE	0.002	0.010	0.002	1		U
1,2-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,2-EDB	0.0013	0.003	0.0013	1		U
1,3,5-TRIMETHYLBENZENE	0.0011	0.003	0.0011	1		U
1,3-DCB	0.0011	0.006	0.0011	1		U
1,3-DICHLOROPROPANE	0.0007	0.002	0.0007	1		U
1,4-DCB	0.0008	0.002	0.0008	1		U
1-CHLOROHEXANE	0.0009	0.003	0.0009	1		U
2,2-DICHLOROPROPANE	0.001	0.020	0.001	1		U
2-CHLOROTOLUENE	0.0013	0.002	0.0013	1		U
4-CHLOROTOLUENE	0.0011	0.003	0.0011	1		U
BENZENE	0.0009	0.002	0.0009	1		U
BROMOBENZENE	0.0009	0.002	0.0009	1		U
BROMOCHLOROMETHANE	0.0008	0.002	0.0008	1		U
BROMODICHLOROMETHANE	0.0009	0.004	0.0009	1		U
BROMOFORM	0.0011	0.006	0.0011	1		U
BROMOMETHANE	0.0007	0.005	0.0007	1		U
CARBON TETRACHLORIDE	0.001	0.010	0.001	1		U
CHLOROBENZENE	0.0007	0.002	0.0007	1		U
CHLOROETHANE	0.0015	0.005	0.0015	1		U
CHLOROFORM	0.0007	0.002	0.0007	1		U
CHLOROMETHANE	0.0015	0.007	0.0015	1		U

Comments:

ARF: 67099

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5035 AAB #: 120305AN-164483
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW1 Lab Sample ID: AY56027 Matrix: Soil
% Solids: 89.8 Initial Calibration ID: N120305
Date Received: 01-Mar-12 Date Prepared: 05-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.0008	0.006	0.0008	1		U
CIS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
DIBROMOCHLOROMETHANE	0.0009	0.003	0.0009	1		U
DIBROMOMETHANE	0.001	0.010	0.001	1		U
DICHLORODIFLUOROMETHANE	0.0018	0.005	0.0018	1		U
ETHYLBENZENE	0.0010	0.003	0.0010	1		U
HEXACHLOROBUTADIENE	0.0011	0.005	0.0011	1		U
ISOPROPYLBENZENE	0.0010	0.008	0.0010	1		U
M&P-XYLENE	0.0018	0.007	0.0018	1		U
METHYLENE CHLORIDE	0.0013	0.005	0.0013	1		U
N-BUTYLBENZENE	0.0010	0.005	0.0010	1		U
N-PROPYLBENZENE	0.0012	0.002	0.0012	1		U
NAPHTHALENE	0.0010	0.020	0.0010	1		U
O-XYLENE	0.0007	0.005	0.0007	1		U
P-ISOPROPYLTOLUENE	0.0012	0.006	0.0012	1		U
SEC-BUTYLBENZENE	0.0011	0.007	0.0011	1		U
STYRENE	0.0009	0.002	0.0009	1		U
TCE	0.0012	0.010	0.0012	1		U
TERT-BUTYLBENZENE	0.0012	0.007	0.0012	1		U
TETRACHLOROETHENE	0.0008	0.007	0.0008	1		U
TOLUENE	0.0010	0.005	0.0010	1		U
TRANS-1,2-DCE	0.0008	0.003	0.0008	1		U
TRANS-1,3-DICHLOROPROPENE	0.0009	0.005	0.0009	1		U
TRICHLOROFLUOROMETHANE	0.0013	0.004	0.0013	1		U
VINYL CHLORIDE	0.0013	0.009	0.0013	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	97.7	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	95.4	65-135	
SURROGATE: DIBROMOFLUOROMETH	94.2	65-135	
SURROGATE: TOLUENE-D8 (S)	109	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67099

AFCEE FORM O-2

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260 AAB #: 120302AS-164529

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Sweetpea Date of Initial Calibration: 29-Feb-12

Initial Calibration ID: S120229 Concentration Units (ug/L or mg/kg): ug/L

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	Std 9	RF 9
Chloromethane *	5.0	0.476	0.5	0.601	1.0	0.502	40.0	0.475	200.0		10.0	0.489	100.0		0.3			
Vinyl chloride #	5.0	0.363	0.5	0.521	1.0	0.340	40.0	0.488	200.0		10.0	0.360	100.0	0.401	0.3	0.33		
1,1-DCE #	5.0	0.615	0.5	0.681	1.0	0.746	40.0	0.784	200.0	0.808	10.0	0.679	100.0	0.743	0.3	0.765		
1,1-DCA *	5.0	1.365	0.5	1.638	1.0	1.623	40.0	1.525	200.0	1.564	10.0	1.410	100.0	1.443	0.3	1.594		
Chloroform #	5.0	1.204	0.5	1.916	1.0	1.365	40.0	1.361	200.0	1.378	10.0	1.241	100.0	1.298	0.3	1.565		
1,2-Dichloropropane #	5.0	0.743	0.5	0.753	1.0	0.743	40.0	0.786	200.0	0.777	10.0	0.749	100.0	0.728	0.3	0.756		
Toluene #	5.0	2.869	0.5	3.268	1.0	3.020	40.0	3.279	200.0	3.468	10.0	2.996	100.0	3.369	0.3	3.228		
Chlorobenzene *	5.0	2.676	0.5	3.003	1.0	2.726	40.0	2.877	200.0	2.926	10.0	2.716	100.0	2.804	0.3	2.593		
Ethylbenzene #	5.0	4.520	0.5	4.544	1.0	4.817	40.0	4.944	200.0	5.315	10.0	4.746	100.0	5.317	0.3	4.934		
Bromoform *	5.0	0.413	0.5	0.438	1.0	0.399	40.0	0.459	200.0	0.426	10.0	0.420	100.0	0.43	0.3	0.303		
1,1,2,2-Tetrachloroethane *	5.0	0.680	0.5	0.766	1.0	0.753	40.0	0.704	200.0	0.523	10.0	0.711	100.0	0.685	0.3	0.719		

* SPCCs # CCCs

Comments: _____

AFCEE FORM O-3A Page ____ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260

AAB #: 120302AS-164529

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: Sweetpea

Date of Initial Calibration: 29-Feb-12

Initial Calibration ID: S120229

Concentration Units (ug/L or mg/kg): ug/L

Analyte	% RSD	mean %RSD	r	COD	Q
Chloromethane *	10.4				
1,1-DCA *	5.3				
Bromoform *	11.4				
Chlorobenzene *	4.9				
1,1,2,2-TCA *	10.8				
1,1-DCE #	8.8				
Chloroform #	16.2				
1,2-DCP #	2.6				
Toluene #	6.4				
Ethylbenzene #	6.2				
Vinyl chloride #	18.7				

* SPCCs # CCCs

Comments:

AFCEB FORM O-3A Page ____ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B — AAB #: 120305AN-164483

Lab Name: APPL, Inc. — Contract #: *G012

Instrument ID: Neo — Date of Initial Calibration: 5 Mar 12

Initial Calibration ID: N120305 — Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8
Chloromethane *	0.005	2.460	0.002	2.520	0.020	1.937	0.100	1.666	0.050	1.641	0.200	1.554	0.010	1.987		
Vinyl chloride #	0.005	0.479	0.002	0.295	0.020	0.385	0.100	0.368	0.050	0.321	0.200	0.335	0.010	0.432		
1,1-DCE #	0.005	0.738	0.002	0.606	0.020	0.739	0.100	0.697	0.050	0.690	0.200	0.664	0.010	0.723		
1,1-DCA *	0.005	2.148	0.002	1.957	0.020	1.910	0.100	1.928	0.050	1.887	0.200	1.797	0.010	1.92		
Chloroform #	0.005	1.874	0.002	1.790	0.020	1.627	0.100	1.736	0.050	1.690	0.200	1.545	0.010	1.65		
1,2-Dichloropropane #	0.005	1.226	0.002	1.162	0.020	1.110	0.100	1.157	0.050	1.138	0.200	1.014	0.010	1.02		
Toluene #	0.005	3.759	0.002	3.896	0.020	3.435	0.100	3.455	0.050	3.531	0.200	3.191	0.010	3.385		
Chlorobenzene *	0.005	3.380	0.002	3.262	0.020	3.111	0.100	2.993	0.050	3.122	0.200	3.092	0.010	3.038		
Ethylbenzene #	0.005	6.459	0.002	5.492	0.020	5.687	0.100	5.584	0.050	5.404	0.200	5.834	0.010	5.623		
Bromoform *	0.005	0.873	0.002	0.857	0.020	0.773	0.100	0.798	0.050	0.781	0.200	0.803	0.010	0.717		
1,1,2,2-Tetrachloroethane *	0.005	3.791	0.002	4.007	0.020	3.105	0.100	3.132	0.050	3.474	0.200	3.271	0.010	3.044		

* SPCCs # CCCs

Comments: _____

AFCEE FORM O-3A Page ___ of ___

AFCEE
ORGANIC ANALYSES DATA SHEET 3A
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B

AAB #: 120305AN-164483

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: Neo

Date of Initial Calibration: 5 Mar 12

Initial Calibration ID: NI120305

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
Chloromethane *	20.8		0.9995		
1,1-DCA *	5.5				
Bromoform *	6.6				
Chlorobenzene *	4.3				
1,1,2,2-TCA *	10.9				
1,1-DCE #	9.1				
Chloroform #	6.4				
1,2-DCP #	6.9				
Toluene #	6.7				
Ethylbenzene #	6.1				
Vinyl chloride #	17.3				

* SPCCs # CCCs

Comments:

AFCEE FORM O-3A Page ___ of ___

AFCEE
ORGANIC ANALYSIS DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260 — AAB #: 120302AS-164529

Lab Name: APPL, Inc. — Contract #: *G012

Instrument ID: Sweetpea — Date of Initial Calibration: 29-Feb-12

Initial Calibration ID: S120229 — Concentration Units (ug/L or mg/kg): ug/L

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	Std 9	RF 9
1,1,1,2-Tetrachloroethane	5.0	0.940	0.5	0.923	1.0	0.804	40.0	0.985	200.0	0.976	10.0	0.955	100.0	0.982	0.3	0.816		
1,1,1-TCA	5.0	0.989	0.5	1.153	1.0	1.131	40.0	1.171	200.0	1.213	10.0	1.037	100.0	1.137	0.3	1.069		
1,1,2-TCA	5.0	0.363	0.5	0.461	1.0	0.439	40.0	0.369	200.0	0.359	10.0	0.356	100.0	0.344	0.3	0.334		
1,1-Dichloropropene	5.0	0.927	0.5	1.087	1.0	1.078	40.0	1.129	200.0	1.168	10.0	0.993	100.0	1.104	0.3	1.039		
1,2,3-Trichlorobenzene	5.0	1.883	0.5	1.838	1.0	1.650	40.0	1.906	200.0	1.854	10.0	1.764	100.0	1.845	0.3	2.115		
1,2,3-Trichloropropane	5.0	0.255	0.5	0.211	1.0	0.329	40.0	0.256	200.0	0.222	10.0	0.237	100.0	0.241	0.3			
1,2,4-Trichlorobenzene	5.0	1.938	0.5	2.004	1.0	2.195	40.0	2.183	200.0	2.191	10.0	2.135	100.0	2.174	0.3	1.723		
1,2,4-Trimethylbenzene	5.0	6.412	0.5	6.526	1.0	7.158	40.0	7.317	200.0	7.665	10.0	6.762	100.0	7.613	0.3	6.997		
1,2-DCA	5.0	0.595	0.5	0.745	1.0	0.664	40.0	0.633	200.0	0.642	10.0	0.616	100.0	0.602	0.3	0.716		
1,2-DCB	5.0	3.468	0.5	3.171	1.0	3.505	40.0	3.641	200.0	3.599	10.0	3.550	100.0	3.541	0.3	3.349		
1,2-Dibromo-3-chloropropane	5.0	0.158	0.5	0.193	1.0	0.185	40.0	0.184	200.0	0.192	10.0	0.203	100.0	0.184	0.3			
1,2-EDB	5.0	0.571	0.5	0.592	1.0	0.524	40.0	0.583	200.0	0.585	10.0	0.556	100.0	0.567	0.3	0.685		
1,3,5-Trimethylbenzene	5.0	6.471	0.5	7.166	1.0	7.439	40.0	7.228	200.0	7.675	10.0	6.907	100.0	7.568	0.3	7.010		
1,3-DCB	5.0	4.063	0.5	3.999	1.0	4.377	40.0	4.248	200.0	4.287	10.0	4.231	100.0	4.332	0.3	4.247		
1,3-Dichloropropane	5.0	0.995	0.5	1.092	1.0	0.895	40.0	1.017	200.0	0.990	10.0	0.950	100.0	0.975	0.3	0.976		
1,4-DCB	5.0	4.093	0.5	4.326	1.0	4.239	40.0	4.131	200.0	4.221	10.0	3.973	100.0	4.146	0.3	4.129		
1-Chlorohexane	5.0	1.283	0.5	1.434	1.0	1.548	40.0	1.519	200.0	1.639	10.0	1.446	100.0	1.644	0.3	1.686		
2,2-Dichloropropane	5.0	0.917	0.5	1.145	1.0	1.103	40.0	1.047	200.0	0.993	10.0	0.982	100.0	1.023	0.3	0.923		
2-Chlorotoluene	5.0	6.754	0.5	7.368	1.0	7.408	40.0	7.221	200.0	7.623	10.0	6.715	100.0	7.783	0.3	7.156		
4-Chlorotoluene	5.0	5.908	0.5	6.483	1.0	6.021	40.0	6.233	200.0	6.397	10.0	6.014	100.0	6.451	0.3	6.849		
Acetone	5.0	0.018	0.5		1.0		40.0	0.019	200.0	0.020	10.0	0.018	100.0	0.019	0.3			
Benzene	5.0	3.266	0.5	3.655	1.0	3.818	40.0	3.574	200.0	3.649	10.0	3.338	100.0	3.486	0.3	3.609		
Bromobenzene	5.0	2.215	0.5	2.405	1.0	2.132	40.0	2.328	200.0	2.226	10.0	2.241	100.0	2.236	0.3	2.430		
Bromochloromethane	5.0	0.290	0.5	0.350	1.0	0.306	40.0	0.271	200.0	0.270	10.0	0.263	100.0	0.258	0.3	0.438		
Bromodichloromethane	5.0	0.814	0.5	0.940	1.0	0.801	40.0	0.928	200.0	0.915	10.0	0.884	100.0	0.852	0.3	0.955		
Bromomethane	5.0	0.170	0.5	0.177	1.0	0.185	40.0	0.212	200.0		10.0	0.196	100.0		0.3	0.134		
Carbon Tetrachloride	5.0	0.751	0.5	0.817	1.0	0.763	40.0	0.951	200.0	1.014	10.0	0.881	100.0	0.953	0.3	0.803		
Chloroethane	5.0	0.514	0.5	0.487	1.0	0.580	40.0	0.653	200.0	0.648	10.0	0.635	100.0	0.499	0.3	0.669		
Cis-1,2-DCB	5.0	0.851	0.5	0.881	1.0	0.894	40.0	0.937	200.0	0.949	10.0	0.837	100.0	0.876	0.3	0.868		
Cis-1,3-Dichloropropene	5.0	0.970	0.5	1.156	1.0	1.138	40.0	1.107	200.0	1.103	10.0	1.075	100.0	1.054	0.3	1.250		
Dibromochloromethane	5.0	0.752	0.5	0.768	1.0	0.533	40.0	0.803	200.0	0.775	10.0	0.809	100.0	0.780	0.3	0.822		
Dibromomethane	5.0	0.338	0.5	0.372	1.0	0.301	40.0	0.340	200.0	0.304	10.0	0.324	100.0	0.319	0.3	0.409		
Dichlorodifluoromethane	5.0	0.341	0.5	0.313	1.0	0.417	40.0	0.404	200.0		10.0	0.373	100.0	0.319	0.3			
Hexachlorobutadiene	5.0	0.500	0.5	0.423	1.0	0.443	40.0	0.541	200.0	0.599	10.0	0.558	100.0	0.560	0.3	0.667		
Isopropylbenzene	5.0	8.009	0.5	8.431	1.0	9.167	40.0	9.095	200.0	7.416	10.0	8.300	100.0	9.578	0.3	8.290		
m&p-Xylene	5.0	1.910	0.5	1.944	1.0	1.933	40.0	2.054	200.0	2.057	10.0	1.943	100.0	1.934	0.3			
Methylene chloride	5.0	0.656	0.5	0.658	1.0	0.861	40.0	0.786	200.0	0.770	10.0	0.732	100.0	0.731	0.3			
Methyl t-butyl ether (MTBE)	5.0	1.091	0.5	1.181	1.0	1.041	40.0	1.145	200.0	1.082	10.0	1.085	100.0	1.084	0.3	1.178		
MEK (2-Butanone)	5.0	0.203	0.5	0.283	1.0	0.210	40.0	0.241	200.0	0.231	10.0	0.240	100.0	0.243	0.3			
n-Butylbenzene	5.0	5.650	0.5	6.801	1.0	6.125	40.0	6.877	200.0	7.717	10.0	6.567	100.0	7.511	0.3	6.689		
n-Propylbenzene	5.0	9.426	0.5	10.816	1.0	11.189	40.0	11.043	200.0	12.036	10.0	10.053	100.0	11.881	0.3	10.202		
Naphthalene	5.0	1.028	0.5	1.104	1.0	1.028	40.0	1.297	200.0	1.344	10.0	1.093	100.0	1.264	0.3	0.785		
o-Xylene	5.0	1.877	0.5	1.881	1.0	1.768	40.0	1.985	200.0	1.968	10.0	1.928	100.0	1.855	0.3	1.964		
p-Isopropyltoluene	5.0	7.105	0.5	7.769	1.0	8.005	40.0	8.069	200.0	8.691	10.0	7.701	100.0	8.738	0.3	7.232		
Sec-Butylbenzene	5.0	8.814	0.5	9.659	1.0	9.889	40.0	10.109	200.0	10.827	10.0	9.403	100.0	10.497	0.3	9.236		
Styrene	5.0	3.036	0.5	3.241	1.0	2.747	40.0	3.199	200.0	3.209	10.0	2.969	100.0	3.097	0.3	2.784		
TCE	5.0	0.719	0.5	1.007	1.0	0.868	40.0	0.832	200.0	0.832	10.0	0.750	100.0	0.805	0.3	0.957		
Tert-Butylbenzene	5.0	6.872	0.5	7.739	1.0	7.705	40.0	7.840	200.0	7.898	10.0	7.177	100.0	7.929	0.3	7.323		
Tetrachloroethene	5.0	1.077	0.5	1.173	1.0	1.179	40.0	1.232	200.0	1.277	10.0	1.134	100.0	1.230	0.3	1.473		
Trans-1,2-DCE	5.0	0.804	0.5	0.868	1.0	0.848	40.0	0.927	200.0	0.919	10.0	0.838	100.0	0.864	0.3	0.918		
Trans-1,3-Dichloropropene	5.0	0.655	0.5	0.747	1.0	0.698	40.0	0.753	200.0	0.770	10.0	0.727	100.0	0.743	0.3	0.577		
Trichlorofluoromethane	5.0	1.071	0.5	0.945	1.0	1.136	40.0	1.108	200.0	1.155	10.0	1.048	100.0	0.855	0.3			
1,2-DCA-D4(S)	5.0	0.525	0.5	0.542	1.0	0.542	40.0	0.624	200.0	0.525	10.0	0.548	100.0	0.591	0.3	0.448		
4-Bromofluorobenzene(S)	5.0	1.142	0.5	1.330	1.0	1.119	40.0	1.137	200.0	1.154	10.0	1.193	100.0	1.177	0.3	1.144		
Dibromofluoromethane(S)	5.0	0.721	0.5	0.760	1.0	0.785	40.0	0.752	200.0	0.765	10.0	0.768	100.0	0.743	0.3	0.721		
Toluene-D8(S)	5.0	3.441	0.5	3.681	1.0	3.193	40.0	3.530	200.0	3.798	10.0	3.743	100.0	3.961	0.3	3.109		

Comments: _____

APCE8
ORGANIC ANALYSES DATA SHEET J
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260 — AAB #: 120302A5-164529

Lab Name: APPL, Inc. — Contract #: 9012

Instrument ID: Swartpea — Date of Initial Calibration: 29-Feb-12

Initial Calibration ID: 5120229 — Concentration Units (ug/L or mg/kg): ug/L

Analyte	% RSD	mean %RSD	r	COD	Q
1,1,1,2-Tetrachloroethane	7.7				
1,1,1-TCA	6.5				
1,1,2-TCA	12				
1,1-Dichloropropene	7.2				
1,2,3-Trichlorobenzene	8.9				
1,2,3-Trichloropropane	15				
1,2,4-Trichlorobenzene	8.2				
1,2,4-Trimethylbenzene	6.7				
1,2-DCA	8.5				
1,2-DCB	4.3				
1,2-Dibromo-3-chloropropane	7.6				
1,2-EDB	8.0				
1,3,5-Trimethylbenzene	5.3				
1,3-DCB	3.1				
1,3-Dichloropropane	5.5				
1,4-DCB	2.6				
1-Chlorohexane	8.5				
2,2-Dichloropropane	7.9				
2-Chlorotoluene	5.2				
4-Chlorotoluene	4.1				
Acetone	10				
Benzene	5.3				
Bromobenzene	5.0				
Bromochloromethane	19		1.0000		
Bromodichloromethane	6.7				
Bromoform	18		0.9990		
Carbon Tetrachloride	11				
Chloroform	12				
Cis-1,2-DCE	4.8				
Cis-1,3-Dichloropropene	7.4				
Dibromochloromethane	12				
Dibromomethane	9.6				
Dichlorodifluoromethane	32				
Hexachlorobutadiene	15				
Isopropylbenzene	8.2				
m&p-Xylene	3.1				
Methylene chloride	8.5				
Methyl t-Butyl ether (MTBE)	5.0				
MEK (2-Butanone)	11				
n-Butylbenzene	10				
n-Propylbenzene	8.5				
Naphthalene	16		0.9980		
o-Xylene	3.9				
p-Isopropyltoluene	8.0				
Sec-Butylbenzene	6.8				
Styrene	6.1				
TCE	12				
Tert-Butylbenzene	5.1				
Tetrachloroethene	9.7				
Trans-1,2-DCE	4.9				
Trans-1,3-Dichloropropene	8.6				
Trichlorofluoromethane	10				
1,2-DCA-D4(S)	6.2				
4-Bromofluorobenzene(S)	5.2				
Dibromofluoromethane(S)	3.0				
Toluene-D8(S)	8.4				

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B

AAB #: 120305AN-164483

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: Neo

Date of Initial Calibration: 5 Mar 12

Initial Calibration ID: M120305

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Std	RF	Std	RF	Std	RF	Std	RF	Std	RF	Std	RF	Std	RF	Std	RF
	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
1,1,1,2-Tetrachloroethane	0.005	1.216	0.002	1.231	0.020	1.115	0.100	1.117	0.050	1.106	0.200	1.115	0.010	1.105		
1,1,1-TCA	0.005	1.388	0.002	1.071	0.020	1.209	0.100	1.268	0.050	1.156	0.200	1.196	0.010	1.292		
1,1,2-TCA	0.005	0.659	0.002	0.642	0.020	0.613	0.100	0.624	0.050	0.630	0.200	0.552	0.010	0.566		
1,1-Dichloropropene	0.005	1.323	0.002	1.073	0.020	1.209	0.100	1.190	0.050	1.044	0.200	1.130	0.010	1.256		
1,2,3-Trichlorobenzene	0.005	3.238	0.002	3.988	0.020	2.360	0.100	2.403	0.050	2.840	0.200	2.400	0.010	2.343		
1,2,3-Trichloropropane	0.005	0.884	0.002	1.003	0.020	0.636	0.100	0.709	0.050	0.778	0.200	0.723	0.010	0.714		
1,2,4-Trichlorobenzene	0.005	3.603	0.002	3.656	0.020	2.701	0.100	2.668	0.050	2.945	0.200	2.693	0.010	2.781		
1,2,4-Trimethylbenzene	0.005	10.791	0.002	10.395	0.020	9.373	0.100	9.011	0.050	10.090	0.200	9.564	0.010	8.898		
1,2-DCA	0.005	1.443	0.002	1.314	0.020	1.189	0.100	1.260	0.050	1.253	0.200	1.151	0.010	1.247		
1,2-DCB	0.005	5.117	0.002	5.282	0.020	4.162	0.100	4.234	0.050	4.905	0.200	4.400	0.010	4.100		
1,2-Dibromo-3-chloropropane	0.005	0.435	0.002	0.420	0.020	0.358	0.100	0.385	0.050	0.460	0.200	0.411	0.010	0.317		
1,2-EDB	0.005	1.238	0.002	1.134	0.020	1.086	0.100	1.087	0.050	1.064	0.200	1.141	0.010	1.097		
1,3,5-Trimethylbenzene	0.005	10.741	0.002	9.882	0.020	9.173	0.100	9.027	0.050	9.743	0.200	9.457	0.010	8.723		
1,3-DCB	0.005	5.765	0.002	5.224	0.020	4.765	0.100	4.522	0.050	5.379	0.200	4.738	0.010	4.763		
1,3-Dichloropropane	0.005	2.175	0.002	1.961	0.020	1.990	0.100	1.942	0.050	1.799	0.200	1.955	0.010	1.883		
1,4-DCB	0.005	5.756	0.002	5.267	0.020	4.728	0.100	4.436	0.050	4.847	0.200	4.616	0.010	4.660		
1-Chlorohexane	0.005	1.818	0.002	1.436	0.020	1.829	0.100	1.564	0.050	1.454	0.200	1.889	0.010	1.729		
2,2-Dichloropropane	0.005	1.526	0.002	1.343	0.020	1.333	0.100	1.333	0.050	1.214	0.200	1.230	0.010	1.292		
2-Chlorotoluene	0.005	11.747	0.002	11.982	0.020	9.914	0.100	9.746	0.050	10.859	0.200	9.996	0.010	9.367		
4-Chlorotoluene	0.005	10.686	0.002	10.290	0.020	8.704	0.100	8.683	0.050	9.586	0.200	8.610	0.010	8.729		
Acetone	0.005	0.737	0.002	1.343	0.020	0.490	0.100	0.321	0.050	0.345	0.200	0.280	0.010	0.571		
Benzene	0.005	4.283	0.002	3.924	0.020	3.602	0.100	3.685	0.050	3.622	0.200	3.401	0.010	3.679		
Bromobenzene	0.005	3.276	0.002	3.486	0.020	2.694	0.100	2.661	0.050	2.983	0.200	2.769	0.010	2.708		
Bromochloromethane	0.005	0.423	0.002	0.339	0.020	0.362	0.100	0.326	0.050	0.332	0.200	0.287	0.010	0.361		
Bromodichloromethane	0.005	1.478	0.002	1.311	0.020	1.236	0.100	1.373	0.050	1.300	0.200	1.197	0.010	1.185		
Bromomethane	0.005	0.611	0.002	0.793	0.020	0.483	0.100	0.574	0.050	0.441	0.200	0.553	0.010	0.444		
Carbon Tetrachloride	0.005	0.988	0.002		0.020	0.891	0.100	1.000	0.050	0.864	0.200	0.932	0.010	0.922		
Chloroethane	0.005	0.909	0.002	0.651	0.020	0.713	0.100	0.709	0.050	0.625	0.200	0.651	0.010	0.795		
Cis-1,2-DCE	0.005	1.022	0.002	1.052	0.020	0.988	0.100	1.008	0.050	0.999	0.200	0.903	0.010	0.977		
Cis-1,3-Dichloropropene	0.005	1.759	0.002	1.871	0.020	1.543	0.100	1.512	0.050	1.537	0.200	1.425	0.010	1.566		
Dibromochloromethane	0.005	1.395	0.002	1.383	0.020	1.314	0.100	1.351	0.050	1.279	0.200	1.364	0.010	1.175		
Dibromomethane	0.005	0.671	0.002	0.680	0.020	0.597	0.100	0.594	0.050	0.670	0.200	0.618	0.010	0.577		
Dichlorodifluoromethane	0.005	1.185	0.002	0.648	0.020	1.191	0.100	0.983	0.050	0.632	0.200	0.934	0.010	1.154		
Hexachlorobutadiene	0.005	1.974	0.002	1.762	0.020	1.754	0.100	1.737	0.050	1.777	0.200	1.639	0.010	1.747		
Isopropylbenzene	0.005	12.992	0.002	11.350	0.020	11.101	0.100	10.390	0.050	11.682	0.200	11.957	0.010	11.291		
m&p-Xylene	0.005	2.173	0.002	1.916	0.020	1.906	0.100	1.811	0.050	1.806	0.200	1.990	0.010	1.910		
Methylene chloride	0.005	0.800	0.002	0.902	0.020	0.628	0.100	0.614	0.050	0.622	0.200		0.010	0.608		
Methyl t-butyl ether (MTBE)	0.005	2.828	0.002	2.649	0.020	2.316	0.100	2.492	0.050	2.427	0.200	2.184	0.010	2.288		
MEK (2-Butanone)	0.005	1.115	0.002	1.404	0.020	0.919	0.100	0.847	0.050	0.821	0.200	0.750	0.010	0.916		
MIBK (methyl isobutyl ketone)	0.005	5.079	0.002		0.020	4.126	0.100	3.604	0.050	4.141	0.200	3.717	0.010	4.049		
n-Butylbenzene	0.005	11.949	0.002	10.202	0.020	9.184	0.100	9.292	0.050	10.045	0.200	10.064	0.010	9.886		
n-Propylbenzene	0.005	17.142	0.002	15.332	0.020	14.759	0.100	14.273	0.050	16.412	0.200	15.685	0.010	16.068		
Naphthalene	0.005	8.629	0.002	7.658	0.020	6.749	0.100	5.630	0.050	6.262	0.200	5.394	0.010	6.624		
o-Xylene	0.005	2.206	0.002	1.918	0.020	1.851	0.100	1.674	0.050	1.912	0.200	1.949	0.010	1.838		
p-Isopropyltoluene	0.005	10.830	0.002	9.555	0.020	9.155	0.100	9.004	0.050	9.291	0.200	9.574	0.010	9.308		
Sec-Butylbenzene	0.005	13.915	0.002	11.668	0.020	12.154	0.100	11.605	0.050	12.467	0.200	13.034	0.010	11.914		
Styrene	0.005	2.236	0.002	2.159	0.020	1.982	0.100	2.011	0.050	2.022	0.200	2.040	0.010	1.961		
TCE	0.005	0.931	0.002	0.832	0.020	0.877	0.100	0.891	0.050	0.837	0.200	0.790	0.010	0.849		
Tert-Butylbenzene	0.005	10.227	0.002	8.534	0.020	8.567	0.100	8.191	0.050	9.088	0.200	9.013	0.010	8.749		
Tetrachloroethene	0.005	0.929	0.002	0.699	0.020	0.891	0.100	0.784	0.050	0.737	0.200	0.881	0.010	0.833		
Trans-1,2-DCE	0.005	1.009	0.002	0.944	0.020	0.871	0.100	0.877	0.050	0.813	0.200	0.793	0.010	0.872		
Trans-1,3-Dichloropropene	0.005	1.467	0.002	1.512	0.020	1.323	0.100	1.373	0.050	1.245	0.200	1.184	0.010	1.358		
Trichlorofluoromethane	0.005	1.084	0.002	0.647	0.020	1.038	0.100	0.978	0.050	0.725	0.200	0.917	0.010	1.040		
1,2-DCA-D4(S)	0.005	1.212	0.002		0.020	1.074	0.100	1.059	0.050	0.934	0.200	0.948	0.010	1.088		
4-Bromofluorobenzene(S)	0.005	2.127	0.002		0.020	1.643	0.100	1.549	0.050	1.365	0.200	1.513	0.010	1.706		
Dibromofluoromethane(S)	0.005	1.086	0.002	1.201	0.020	0.836	0.100	0.938	0.050	0.840	0.200	0.836	0.010	0.947		
Toluene-D8(S)	0.005	4.991	0.002		0.020	4.456	0.100	3.996	0.050	3.757	0.200	4.495	0.010	4.285		

Comments: _____

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B
AAB #: 120305AN-164483
Lab Name: APPL, Inc.
Contract #: *G012
Instrument ID: Neo
Date of Initial Calibration: 5 Mar 12
Initial Calibration ID: NI120305
Concentration Units (ug/L or mg/kg): mg/kg

Analyte	% RSD	mean %RSD	r	COD	Q
1,1,1,2-Tetrachloroethane	4.8				
1,1,1-TCA	8.3				
1,1,2-TCA	6.4				
1,1-Dichloropropene	8.5				
1,2,3-Trichlorobenzene	22.5		0.9995		
1,2,3-Trichloropropane	16.1		0.9995		
1,2,4-Trichlorobenzene	14.5				
1,2,4-Trimethylbenzene	7.3				
1,2-DCA	7.4				
1,2-DCB	10.7				
1,2-Dibromo-3-chloropropane	12.2				
1,2-EDB	5.1				
1,3,5-Trimethylbenzene	7.0				
1,3-DCB	8.9				
1,3-Dichloropropane	5.9				
1,4-DCB	13.4				
1-Chlorobutane	10.8				
2,2-Dichloropropane	7.8				
2-Chlorotoluene	9.8				
4-Chlorotoluene	10.2				
Acetone	63.6		0.9980		
Benzene	7.6				
Bromobenzene	11.0				
Bromochloromethane	12.2				
Bromodichloromethane	8.0				
Bromomethane	22.1		0.9985		
Carbon Tetrachloride	5.7				
Chloroethane	44.5		0.9985		
Cis-1,2-DCE	4.7				
Cis-1,3-Dichloropropene	9.3				
Dibromochloromethane	5.6				
Dibromomethane	9.2				
Dichlorodifluoromethane	24.8		0.9950		
Hexachlorobutadiene	4.7				
Isopropylbenzene	7.0				
m&p-Xylene	6.5				
Methylene chloride	17.9		1.0000		
Methyl t-butyl ether (MTBE)	9.3				
MEK (2-Butanone)	23.1		0.9985		
MIBK (methyl isobutyl ketone)	12.6				
n-Butylbenzene	9.1				
n-Propylbenzene	5.9				
Naphthalene	13.0				
o-Xylene	6.5				
p-Isopropyltoluene	6.7				
Sec-Butylbenzene	6.7				
Styrene	4.9				
TCE	5.3				
Tert-Butylbenzene	7.4				
Tetrachloroethene	10.4				
Trans-1,2-DCE	8.4				
Trans-1,3-Dichloropropene	8.5				
Trichlorofluoromethane	18.4		0.9975		
1,2-DCA-D4(S)	9.8				
4-Bromofluorobenzene(S)	15.8		0.9995		
Dibromofluoromethane(S)	13.6				
Toluene-D8(S)	9.9				

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method: METHOD 8260 — AAB #: 120302AS-164529

Lab Name: APPL, Inc. — Contract #: *G012

Instrument ID: Sweetpea — Initial Calibration ID: S120229

2nd Source ID: 120229A-1WS (SS) — Concentration Units (ug/L or mg/kg): ug/L

Analyte	Expected	Found	%D	Q
1,1,1,2-Tetrachloroethane	10.00	10.61	6.1	
1,1,1-TCA	10.00	10.35	3.5	
1,1,2,2-Tetrachloroethane	10.00	9.83	1.7	
1,1,2-TCA	10.00	9.46	5.4	
1,1-DCA	10.00	10.22	2.2	
1,1-DCE	10.00	11.11	11	
1,1-Dichloropropene	10.00	10.91	9.1	
1,2,3-Trichlorobenzene	10.00	10.15	1.5	
1,2,3-Trichloropropane	10.00	10.01	0.1	
1,2,4-Trichlorobenzene	10.00	10.55	5.5	
1,2,4-Trimethylbenzene	10.00	10.22	2.2	
1,2-DCA	10.00	9.53	4.7	
1,2-DCB	10.00	10.66	6.6	
1,2-Dibromo-3-chloropropa	10.00	9.40	6.0	
1,2-Dichloropropane	10.00	10.41	4.1	
1,2-EDB	10.00	10.26	2.6	
1,3,5-Trimethylbenzene	10.00	10.22	2.2	
1,3-DCB	10.00	10.37	3.7	
1,3-Dichloropropane	10.00	10.29	2.9	
1,4-DCB	10.00	10.04	0.4	
1-Chlorohexane	10.00	11.35	14	
2,2-Dichloropropane	10.00	9.89	1.1	
2-Chlorotoluene	10.00	10.10	1.0	
4-Chlorotoluene	10.00	10.08	0.8	
Acetone	10.00	11.98	20	
Benzene	10.00	10.31	3.1	
Bromobenzene	10.00	10.08	0.8	
Bromochloromethane	10.00	10.68	6.8	
Bromodichloromethane	10.00	9.96	0.4	
Bromoform	10.00	10.71	7.1	
Bromomethane	10.00	10.40	4.0	
Carbon Tetrachloride	10.00	11.29	13	
Chlorobenzene	10.00	10.67	6.7	
Chloroethane	10.00	10.62	6.2	
Chloroform	10.00	10.78	7.8	
Chloromethane	10.00	8.54	15	
Cis-1,2-DCE	10.00	10.49	4.9	
Cis-1,3-Dichloropropene	10.00	9.83	1.7	
Dibromochloromethane	10.00	10.51	5.1	
Dibromomethane	10.00	10.35	3.5	
Dichlorodifluoromethane	10.00	11.35	13	
Ethylbenzene	10.00	10.55	5.5	
Hexachlorobutadiene	10.00	11.10	11	
Isopropylbenzene	10.00	10.63	6.3	
m&p-Xylene	20.00	21.16	5.8	
Methylene chloride	10.00	9.82	1.8	
Methyl t-butyl ether (MTBE	10.00	9.89	1.1	
MEK (2-Butanone)	10.00	9.43	5.7	
n-Butylbenzene	10.00	10.26	2.6	
n-Propylbenzene	10.00	10.34	3.4	
Naphthalene	10.00	8.38	16	
o-Xylene	10.00	10.63	6.3	
p-Isopropyltoluene	10.00	10.20	2.0	
Sec-Butylbenzene	10.00	10.40	4.0	
Styrene	10.00	10.49	4.9	
TCE	10.00	10.25	2.5	
Tert-Butylbenzene	10.00	10.39	3.9	
Tetrachloroethene	10.00	10.71	7.1	
Toluene	10.00	10.42	4.2	
Trans-1,2-DCE	10.00	10.80	8.0	
Trans-1,3-Dichloropropene	10.00	9.78	2.2	
Trichlorofluoroethane	10.00	10.57	5.7	
Vinyl chloride	10.00	8.79	12	

Comments: _____

AFCEE FORM D-4 Page ___ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method: METHOD 8260B

AAB #: 120305AN-164483

Lab Name: APPL, Inc.

Contract #: *QD12

Instrument ID: Neo

Initial Calibration ID: N120305

2nd Source ID: 120305A LCS-ISN (SS)

Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Expected	Found	%D	Q
1,1,1,2-Tetrachloroethane	0.050	0.051	1.4	
1,1,1-TCA	0.050	0.058	17	
1,1,2,2-Tetrachloroethane	0.050	0.047	5.6	
1,1,2-TCA	0.050	0.052	4.3	
1,1-DCA	0.050	0.053	6.0	
1,1-DCE	0.050	0.056	12	
1,1-Dichloropropene	0.050	0.055	11	
1,2,3-Trichlorobenzene	0.050	0.052	4.5	
1,2,3-Trichloropropane	0.050	0.048	3.0	
1,2,4-Trichlorobenzene	0.050	0.043	13	
1,2,4-Trimethylbenzene	0.050	0.050	0.5	
1,2-DCA	0.050	0.049	1.6	
1,2-DCB	0.050	0.049	1.7	
1,2-Dibromo-3-chloropropane	0.050	0.052	3.1	
1,2-Dichloropropane	0.050	0.052	3.8	
1,2-EDB	0.050	0.049	2.6	
1,3,5-Trimethylbenzene	0.050	0.054	8.2	
1,3-DCB	0.050	0.048	4.3	
1,3-Dichloropropane	0.050	0.051	3.0	
1,4-DCB	0.050	0.046	7.6	
1-Chlorohexane	0.050	0.054	7.6	
2,2-Dichloropropane	0.050	0.053	6.7	
2-Chlorotoluene	0.050	0.054	7.2	
4-Chlorotoluene	0.050	0.045	9.1	
Acetone	0.050	0.047	5.1	
Benzene	0.050	0.052	3.3	
Bromobenzene	0.050	0.047	5.4	
Bromochloromethane	0.050	0.047	6.4	
Bromodichloromethane	0.050	0.052	4.6	
Bromoform	0.050	0.050	0.6	
Bromomethane	0.050	0.054	7.5	
Carbon Tetrachloride	0.050	0.058	16	
Chlorobenzene	0.050	0.051	1.1	
Chloroethane	0.050	0.058	17	
Chloroform	0.050	0.052	3.9	
Chloromethane	0.050	0.056	13	
Cis-1,2-DCE	0.050	0.054	8.0	
Cis-1,3-Dichloropropene	0.050	0.051	2.1	
Dibromochloromethane	0.050	0.052	4.3	
Dibromomethane	0.050	0.050	0.5	
Dichlorodifluoromethane	0.050	0.056	12	
Ethylbenzene	0.050	0.053	6.9	
Hexachlorobutadiene	0.050	0.054	8.6	
Isopropylbenzene	0.050	0.053	6.0	
m&p-Xylene	0.100	0.107	7.3	
Methylene chloride	0.050	0.052	4.6	
Methyl t-butyl ether (MTBE)	0.050	0.047	5.7	
MEK (2-Butanone)	0.050	0.049	1.5	
MIBK (methyl isobutyl ketone)	0.050	0.045	11	
n-Butylbenzene	0.050	0.051	1.7	
n-Propylbenzene	0.050	0.054	7.3	
Naphthalene	0.050	0.047	6.6	
o-Xylene	0.050	0.052	3.3	
p-Isopropyltoluene	0.050	0.049	3.1	
Sec-Butylbenzene	0.050	0.053	7.0	
Styrene	0.050	0.050	0.4	
TCB	0.050	0.053	6.9	
Tert-Butylbenzene	0.050	0.052	3.7	
Tetrachloroethene	0.050	0.055	9.2	
Toluene	0.050	0.053	6.5	
Trans-1,2-DCE	0.050	0.054	7.8	
Trans-1,3-Dichloropropene	0.050	0.051	1.0	
Trichlorofluoromethane	0.050	0.058	15	
Vinyl chloride	0.050	0.053	5.8	

Comments:

AFCEE FORM O-4 Page ___ of ___

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260 AAB #: 120302AS-164529

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Sweetpea Initial Calibration ID: S120229

ICV ID: 10ug/L STD 3-02-12 (CCV) CCV #1 ID: CCV #2 ID:

Analyte	ICV		CCV #1		CCV #2		
	RF	% D	RF	% D	RF	% D	Q
Chloromethane *	0.428011	15.8209					
1,1-DCA *	1.61114	7.84741					
Bromoform *	0.454041	10.4689					
Chlorobenzene *	3.07397	10.1528					
1,1,2,2-Tetrachloroethane *	0.795921	14.9212					
1,1-DCE #	0.835851	14.8722					
Chloroform #	1.44842	2.30937					
1,2-Dichloropropane #	0.838494	11.3017					
Toluene #	3.51954	10.4396					
Ethylbenzene #	5.24538	7.22047					
Vinyl chloride #	0.332763	16.8516					

* SPCCs # CCCs

Comments:

AFCEE FORM O-5A Page ___ of _____

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION-GC/MS ANALYSIS

Analytical Method: METHOD 8260B AAB #: 120305AN-164483

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Neo Initial Calibration ID: N120305

ICV ID: 50ug/kg Vol Std 03-05-12 (CCV) CCV #1 ID: CCV #2 ID:

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
Chloromethane *	1.82081	11.8646					
1,1-DCA *	1.96925	1.76308					
Bromoform *	0.789957	1.29138					
Chlorobenzene *	3.10623	1.15915					
1,1,2,2-Tetrachloroethane *	3.35742	1.35243					
1,1-DCB #	0.731614	7.68638					
Chloroform #	1.66262	2.29121					
1,2-Dichloropropane #	1.1203	0.177192					
Toluene #	3.76178	6.81454					
Ethylbenzene #	5.90671	3.15191					
Vinyl chloride #	0.425635	14.0547					

* SPCCs # CCCs

Comments:

AFCEE FORM O-5A Page ___ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: METHOD 8260 AAB #: 120302AS-164529

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Sweetpea Initial Calibration ID: S120229

ICV ID: 10ug/L STD 3-02-12 (CCV) CCV #1 ID: CCV #2 ID:

Analyte	ICV %D or % drift	CCV#1 %D or % drift	CCV#2 %D or % drift	Q
1,1,1,2-Tetrachloroethane	9.6			
1,1,1-TCA	9.5			
1,1,2-TCA	9.4			
1,1-Dichloropropene	16			
1,2,3-Trichlorobenzene	6.4			
1,2,3-Trichloropropane	2.9			
1,2,4-Trichlorobenzene	15			
1,2,4-Trimethylbenzene	8.4			
1,2-DCA	5.4			
1,2-DCB	7.8			
1,2-Dibromo-3-chloropropane	6.7			
1,2-EDB	4.7			
1,3,5-Trimethylbenzene	4.2			
1,3-DCB	11			
1,3-Dichloropropane	9.0			
1,4-DCB	9.7			
1-Chlorohexane	9.7			
2,2-Dichloropropane	20			
2-Chlorotoluene	6.4			
4-Chlorotoluene	6.8			
Acetone	5.4			
Benzene	9.3			
Bromobenzene	7.6			
Bromochloromethane	17			
Bromodichloromethane	11			
Bromomethane	4.5			
Carbon Tetrachloride	15			
Chloroethane	8.3			
Cis-1,2-DCB	11			
Cis-1,3-Dichloropropene	5.2			
Dibromochloromethane	9.7			
Dibromomethane	10			
Dichlorodifluoromethane	2.9			
Hexachlorobutadiene	14			
Isopropylbenzene	13			
m&p-Xylene	14			
Methylene chloride	11			
Methyl t-butyl ether (MTBE)	6.7			
MEK (2-Butanone)	5.4			
n-Butylbenzene	9.7			
n-Propylbenzene	7.5			
Naphthalene	4.7			
o-Xylene	11			
p-Isopropyltoluene	10			
Sec-Butylbenzene	9.2			
Styrene	9.4			
TCB	4.1			
Tert-Butylbenzene	11			
Tetrachloroethene	7.9			
Trans-1,2-DCB	12			
Trans-1,3-Dichloropropene	15			
Trichlorofluoromethane	2.3			

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: METHOD 8260B — AAB #: 120305AN-16448J

Lab Name: APPL, Inc. — Contract #: *G012

Instrument ID: N60 — Initial Calibration ID: N120305

ICV ID: 50ug/kg Vol Std 03-05-12 (CCV) — CCV #1 ID: _____ — CCV #2 ID: _____

Analyte	ICV %D or % drift	CCV#1 %D or % drift	CCV#2 %D or % drift	Q
1,1,1,2-Tetrachloroethane	3.2			
1,1,1-TCA	7.6			
1,1,2-TCA	0.7			
1,1-Dichloropropene	6.8			
1,2,3-Trichlorobenzene	8.6			
1,2,3-Trichloropropane	0.6			
1,2,4-Trichlorobenzene	3.2			
1,2,4-Trimethylbenzene	5.5			
1,2-DCA	1.4			
1,2-DCB	2.2			
1,2-Dibromo-3-chloropropane	8.9			
1,2-EDB	7.1			
1,3,5-Trimethylbenzene	3.7			
1,3-DCB	2.0			
1,3-Dichloropropane	7.0			
1,4-DCB	6.2			
1-Chlorobutane	1.0			
2,2-Dichloropropane	2.4			
2-Chlorotoluene	3.9			
4-Chlorotoluene	1.5			
Acetone	0.7			
Benzene	0.3			
Bromobenzene	2.2			
Bromochloromethane	0.0			
Bromodichloromethane	0.6			
Bromomethane	1.7			
Carbon Tetrachloride	10.1			
Chloroethane	12.5			
Cis-1,2-DCE	2.4			
Cis-1,3-Dichloropropene	1.9			
Dibromochloromethane	4.8			
Dibromomethane	5.0			
Dichlorodifluoromethane	12.3			
Hexachlorobutadiene	10.8			
Isopropylbenzene	8.6			
m&p-Xylene	3.4			
Methylene chloride	4.5			
Methyl t-butyl ether (MTBE)	5.3			
MEK (2-Butanone)	5.2			
MIBK (methyl isobutyl ketone)	6.5			
n-Butylbenzene	7.7			
n-Propylbenzene	6.7			
Naphthalene	0.9			
o-Xylene	1.0			
p-Isopropyltoluene	7.5			
Sec-Butylbenzene	9.7			
Styrene	0.4			
TCB	4.0			
Tert-Butylbenzene	7.7			
Tetrachloroethene	3.9			
Trans-1,2-DCE	3.9			
Trans-1,3-Dichloropropene	1.5			
Trichlorofluoromethane	18.6			

Comments: _____

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Concentration Units: ug/L
Initial Calibration ID: S120229

AAB #: 120302AS-164529
Contract #: *G012
Method Blank ID: 120302AS-BLK - IWS 03/14/12

Analyte	Method Blank	RL	Q
1,1,1,2-TETRACHLOROETHANE	< RL	0.5	U
1,1,1-TCA	< RL	0.8	U
1,1,2,2-TETRACHLOROETHANE	< RL	0.4	U
1,1,2-TCA	< RL	1.0	U
1,1-DCA	< RL	0.4	U
1,1-DCE	< RL	1.2	U
1,1-DICHLOROPROPENE	< RL	1.0	U
1,2,3-TRICHLOROBENZENE	< RL	0.3	U
1,2,3-TRICHLOROPROPANE	< RL	3.2	U
1,2,4-TRICHLOROBENZENE	< RL	0.4	U
1,2,4-TRIMETHYLBENZENE	< RL	1.3	U
1,2-DCA	< RL	0.6	U
1,2-DCB	< RL	0.3	U
1,2-DIBROMO-3-CHLOROPROPANE	< RL	2.6	U
1,2-DICHLOROPROPANE	< RL	0.4	U
1,2-EDB	< RL	0.6	U
1,3,5-TRIMETHYLBENZENE	< RL	0.5	U
1,3-DCB	< RL	1.2	U
1,3-DICHLOROPROPANE	< RL	0.4	U
1,4-DCB	< RL	0.3	U
1-CHLOROHEXANE	< RL	0.5	U
2,2-DICHLOROPROPANE	< RL	3.5	U
2-CHLOROTOLUENE	< RL	0.4	U
4-CHLOROTOLUENE	< RL	0.6	U
BENZENE	< RL	0.4	U
BROMOBENZENE	< RL	0.3	U
BROMOCHLOROMETHANE	< RL	0.4	U
BROMODICHLOROMETHANE	< RL	0.8	U
BROMOFORM	< RL	1.2	U
BROMOMETHANE	< RL	1.1	U
CARBON TETRACHLORIDE	< RL	2.1	U
CHLOROBENZENE	< RL	0.4	U
CHLOROETHANE	< RL	1.0	U
CHLOROFORM	< RL	0.3	U
CHLOROMETHANE	< RL	1.3	U
CIS-1,2-DCE	< RL	1.2	U
CIS-1,3-DICHLOROPROPENE	< RL	1.0	U
DIBROMOCHLOROMETHANE	< RL	0.5	U
DIBROMOMETHANE	< RL	2.4	U
DICHLORODIFLUOROMETHANE	< RL	1.0	U
ETHYLBENZENE	< RL	0.6	U

Comments: ARF: 67099, Sample: AY56026

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Concentration Units: ug/L
Initial Calibration ID: S120229

AAB #: 120302AS-164529
Contract #: *G012
Method Blank ID: 120302AS-BLK-1WS

Analyte	Method Blank	RL	Q
HEXACHLOROBUTADIENE	< RL	1.1	U
ISOPROPYLBENZENE	< RL	0.5	U
M&P-XYLENE	< RL	0.5	U
METHYLENE CHLORIDE	< RL	1.0	U
N-BUTYLBENZENE	< RL	1.1	U
N-PROPYLBENZENE	< RL	0.4	U
NAPHTHALENE	< RL	0.4	U
O-XYLENE	< RL	1.1	U
P-ISOPROPYLTOLUENE	< RL	1.2	U
SEC-BUTYLBENZENE	< RL	1.3	U
STYRENE	< RL	0.4	U
TCE	< RL	1.0	U
TERT-BUTYLBENZENE	< RL	1.4	U
TETRACHLOROETHENE	< RL	1.4	U
TOLUENE	< RL	1.1	U
TRANS-1,2-DCE	< RL	0.6	U
TRANS-1,3-DICHLOROPROPENE	< RL	1.0	U
TRICHLOROFLUOROMETHANE	< RL	0.8	U
VINYL CHLORIDE	< RL	1.1	U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHAN	97.2	69-139	
SURROGATE: 4-BROMOFLUOROBE	94.5	75-125	
SURROGATE: DIBROMOFLUOROME	97.6	75-125	
SURROGATE: TOLUENE-D8 (S)	98.3	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments: ARF: 67099, Sample: AY56026

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: N120305

AAB #: 120305AN-164483
Contract #: *G012
Method Blank ID: 120305AN-BLK -1SN

Analyte	Method Blank	RL	Q
1,1,1,2-TETRACHLOROETHANE	< RL	0.003	U
1,1,1-TCA	< RL	0.004	U
1,1,2,2-TETRACHLOROETHANE	< RL	0.002	U
1,1,2-TCA	< RL	0.005	U
1,1-DCA	< RL	0.002	U
1,1-DCE	< RL	0.006	U
1,1-DICHLOROPROPENE	< RL	0.005	U
1,2,3-TRICHLOROBENZENE	< RL	0.004	U
1,2,3-TRICHLOROPROPANE	< RL	0.020	U
1,2,4-TRICHLOROBENZENE	< RL	0.004	U
1,2,4-TRIMETHYLBENZENE	< RL	0.007	U
1,2-DCA	< RL	0.003	U
1,2-DCB	< RL	0.002	U
1,2-DIBROMO-3-CHLOROPROPANE	< RL	0.010	U
1,2-DICHLOROPROPANE	< RL	0.002	U
1,2-EDB	< RL	0.003	U
1,3,5-TRIMETHYLBENZENE	< RL	0.003	U
1,3-DCB	< RL	0.006	U
1,3-DICHLOROPROPANE	< RL	0.002	U
1,4-DCB	< RL	0.002	U
1-CHLOROHEXANE	< RL	0.003	U
2,2-DICHLOROPROPANE	< RL	0.020	U
2-CHLOROTOLUENE	< RL	0.002	U
4-CHLOROTOLUENE	< RL	0.003	U
BENZENE	< RL	0.002	U
BROMOBENZENE	< RL	0.002	U
BROMOCHLOROMETHANE	< RL	0.002	U
BROMODICHLOROMETHANE	< RL	0.004	U
BROMOFORM	< RL	0.006	U
BROMOMETHANE	< RL	0.005	U
CARBON TETRACHLORIDE	< RL	0.010	U
CHLOROBENZENE	< RL	0.002	U
CHLOROETHANE	< RL	0.005	U
CHLOROFORM	< RL	0.002	U
CHLOROMETHANE	< RL	0.007	U
CIS-1,2-DCE	< RL	0.006	U
CIS-1,3-DICHLOROPROPENE	< RL	0.005	U
DIBROMOCHLOROMETHANE	< RL	0.003	U
DIBROMOMETHANE	< RL	0.010	U
DICHLORODIFLUOROMETHANE	< RL	0.005	U
ETHYLBENZENE	< RL	0.003	U

Comments: ARF: 67099, Sample: AY56027

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: N120305

AAB #: 120305AN-164483
Contract #: *G012
Method Blank ID: 120305AN-BLK-15N

Analyte	Method Blank	RL	Q
HEXACHLOROBUTADIENE	< RL	0.005	U
ISOPROPYLBENZENE	< RL	0.008	U
M&P-XYLENE	< RL	0.007	U
METHYLENE CHLORIDE	< RL	0.005	U
N-BUTYLBENZENE	< RL	0.005	U
N-PROPYLBENZENE	< RL	0.002	U
NAPHTHALENE	< RL	0.020	U
O-XYLENE	< RL	0.005	U
P-ISOPROPYLTOLUENE	< RL	0.006	U
SEC-BUTYLBENZENE	< RL	0.007	U
STYRENE	< RL	0.002	U
TCE	< RL	0.010	U
TERT-BUTYLBENZENE	< RL	0.007	U
TETRACHLOROETHENE	< RL	0.007	U
TOLUENE	< RL	0.005	U
TRANS-1,2-DCE	< RL	0.003	U
TRANS-1,3-DICHLOROPROPENE	< RL	0.005	U
TRICHLOROFLUOROMETHANE	< RL	0.004	U
VINYL CHLORIDE	< RL	0.009	U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHAN	91.2	52-149	
SURROGATE: 4-BROMOFLUOROBE	103	65-135	
SURROGATE: DIBROMOFLUOROME	91.1	65-135	
SURROGATE: TOLUENE-D8 (S)	107	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments: ARF: 67099, Sample: AY56027

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
LCS ID: 120302AS LCS-1WS
Concentration Units: ug/L

AAB #: 120302AS-164529
Contract #: *G012
Initial Calibration ID: S120229

Analyte	Expected	Found	% R	Control Limits	Q
1,1,1,2-TETRACHLOROETHANE	10.00	10.76	108	72-125	
1,1,1-TCA	10.00	10.84	108	75-125	
1,1,2,2-TETRACHLOROETHANE	10.00	10.84	108	74-125	
1,1,2-TCA	10.00	10.18	102	75-127	
1,1-DCA	10.00	10.70	107	75-125	
1,1-DCE	10.00	11.20	112	75-125	
1,1-DICHLOROPROPENE	10.00	11.15	112	75-125	
1,2,3-TRICHLOROBENZENE	10.00	10.45	105	75-137	
1,2,3-TRICHLOROPROPANE	10.00	10.43	104	75-125	
1,2,4-TRICHLOROBENZENE	10.00	11.10	111	75-135	
1,2,4-TRIMETHYLBENZENE	10.00	10.41	104	75-125	
1,2-DCA	10.00	10.24	102	68-127	
1,2-DCB	10.00	10.76	108	75-125	
1,2-DIBROMO-3-CHLOROPROPANE	10.00	10.70	107	59-125	
1,2-DICHLOROPROPANE	10.00	10.53	105	70-125	
1,2-EDB	10.00	10.00	100	75-125	
1,3,5-TRIMETHYLBENZENE	10.00	10.20	102	72-125	
1,3-DCB	10.00	10.74	107	75-125	
1,3-DICHLOROPROPANE	10.00	10.69	107	75-125	
1,4-DCB	10.00	10.33	103	75-125	
1-CHLOROHEXANE	10.00	11.07	111	75-125	
2,2-DICHLOROPROPANE	10.00	11.81	118	75-125	
2-CHLOROTOLUENE	10.00	10.41	104	73-125	
4-CHLOROTOLUENE	10.00	10.55	106	74-125	
BENZENE	10.00	10.63	106	75-125	
BROMOBENZENE	10.00	10.45	105	75-125	
BROMOCHLOROMETHANE	10.00	11.42	114	73-125	
BROMODICHLOROMETHANE	10.00	10.67	107	75-125	
BROMOFORM	10.00	10.71	107	75-125	
BROMOMETHANE	10.00	9.80	98.0	72-125	
CARBON TETRACHLORIDE	10.00	11.28	113	62-125	
CHLOROBENZENE	10.00	10.66	107	75-125	
CHLOROETHANE	10.00	10.24	102	65-125	
CHLOROFORM	10.00	9.97	99.7	74-125	
CHLOROMETHANE	10.00	8.06	80.6	75-125	
CIS-1,2-DCE	10.00	11.19	112	75-125	
CIS-1,3-DICHLOROPROPENE	10.00	10.62	106	74-125	
DIBROMOCHLOROMETHANE	10.00	10.83	108	73-125	
DIBROMOMETHANE	10.00	10.15	102	69-127	
DICHLORODIFLUOROMETHANE	10.00	10.25	103	72-125	

Comments: ARF: 67099, QC Sample ID: AY56026

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8260B
AAB #: 120305AN-164483
Lab Name: APPL, Inc
Contract #: *G012
LCS ID: 120305AN LCS - 15N(SS)
Initial Calibration ID: N120305
Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
1,1,1,2-TETRACHLOROETHANE	0.0500	0.0507	101	62-125	
1,1,1-TCA	0.0500	0.0584	117	65-135	
1,1,2,2-TETRACHLOROETHANE	0.0500	0.0472	94.4	64-135	
1,1,2-TCA	0.0500	0.0521	104	65-135	
1,1-DCA	0.0500	0.0530	106	62-135	
1,1-DCE	0.0500	0.0562	112	65-135	
1,1-DICHLOROPROPENE	0.0500	0.0555	111	65-135	
1,2,3-TRICHLOROBENZENE	0.0500	0.0522	104	65-147	
1,2,3-TRICHLOROPROPANE	0.050	0.048	96.0	65-135	
1,2,4-TRICHLOROBENZENE	0.0500	0.0435	87.0	65-145	
1,2,4-TRIMETHYLBENZENE	0.0500	0.0497	99.4	65-135	
1,2-DCA	0.0500	0.0492	98.4	58-137	
1,2-DCB	0.0500	0.0491	98.2	65-135	
1,2-DIBROMO-3-CHLOROPROPANE	0.050	0.052	104	49-135	
1,2-DICHLOROPROPANE	0.0500	0.0519	104	60-135	
1,2-EDB	0.0500	0.0487	97.4	65-135	
1,3,5-TRIMETHYLBENZENE	0.0500	0.0541	108	62-135	
1,3-DCB	0.0500	0.0479	95.8	65-135	
1,3-DICHLOROPROPANE	0.0500	0.0515	103	65-135	
1,4-DCB	0.0500	0.0462	92.4	65-135	
1-CHLOROHEXANE	0.0500	0.0538	108	65-135	
2,2-DICHLOROPROPANE	0.050	0.053	106	65-135	
2-CHLOROTOLUENE	0.0500	0.0536	107	63-135	
4-CHLOROTOLUENE	0.0500	0.0455	91.0	64-135	
BENZENE	0.0500	0.0517	103	65-135	
BROMOBENZENE	0.0500	0.0473	94.6	65-135	
BROMOCHLOROMETHANE	0.0500	0.0468	93.6	63-135	
BROMODICHLOROMETHANE	0.0500	0.0523	105	65-135	
BROMOFORM	0.0500	0.0497	99.4	65-135	
BROMOMETHANE	0.0500	0.0537	107	62-135	
CARBON TETRACHLORIDE	0.050	0.058	116	52-135	
CHLOROBENZENE	0.0500	0.0505	101	65-135	
CHLOROETHANE	0.0500	0.0585	117	55-135	
CHLOROFORM	0.0500	0.0520	104	64-135	
CHLOROMETHANE	0.0500	0.0564	113	65-135	
CIS-1,2-DCE	0.0500	0.0540	108	65-135	
CIS-1,3-DICHLOROPROPENE	0.0500	0.0510	102	64-135	
DIBROMOCHLOROMETHANE	0.0500	0.0522	104	63-135	
DIBROMOMETHANE	0.050	0.050	100	59-137	
DICHLORODIFLUOROMETHANE	0.0500	0.0562	112	65-135	

Comments: ARF: 67099, QC Sample ID: AY56027

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8260B
Lab Name: APPL, Inc
LCS ID: 120305AN LCS -1SN(SS)
Concentration Units: mg/kg

AAB #: 120305AN-164483
Contract #: *G012
Initial Calibration ID: N120305

Analyte	Expected	Found	% R	Control Limits	Q
ETHYLBENZENE	0.0500	0.0534	107	65-135	
HEXACHLOROBUTADIENE	0.0500	0.0543	109	65-135	
ISOPROPYLBENZENE	0.0500	0.0530	106	65-135	
M&P-XYLENE	0.1000	0.1073	107	65-135	
METHYLENE CHLORIDE	0.0500	0.0523	105	65-135	
N-BUTYLBENZENE	0.0500	0.0508	102	65-135	
N-PROPYLBENZENE	0.0500	0.0536	107	65-135	
NAPHTHALENE	0.0500	0.0467	93.4	65-135	
O-XYLENE	0.0500	0.0516	103	65-135	
P-ISOPROPYLTOLUENE	0.0500	0.0494	98.8	65-135	
SEC-BUTYLBENZENE	0.0500	0.0535	107	65-135	
STYRENE	0.0500	0.0502	100	65-135	
TCE	0.0500	0.0535	107	61-135	
TERT-BUTYLBENZENE	0.0500	0.0519	104	65-135	
TETRACHLOROETHENE	0.0500	0.0546	109	61-135	
TOLUENE	0.0500	0.0533	107	64-135	
TRANS-1,2-DCE	0.0500	0.0539	108	65-135	
TRANS-1,3-DICHLOROPROPENE	0.0500	0.0505	101	56-135	
TRICHLOROFLUOROMETHANE	0.0500	0.0577	115	57-135	
VINYL CHLORIDE	0.0500	0.0529	106	36-144	

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	85.7	52-149	
SURROGATE: 4-BROMOFLUOROBENZE	100	65-135	
SURROGATE: DIBROMOFLUOROMETH	87.8	65-135	
SURROGATE: TOLUENE-D8 (S)	106	65-135	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments: ARF: 67099, QC Sample ID: AY56027

AFCEE
ORGANIC ANALYSES DATA SHEET 9
HOLDING TIMES

Analytical Method: EPA 8260B

AAB#: 120302AS-164529

Lab Name: APPL, Inc

Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time Ext	Time Held Ext	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
TB-1	29-Feb-12	01-Mar-12	02-Mar-12			02-Mar-12	14	2	

Comments: ARF: 67099

AFCEE
ORGANIC ANALYSES DATA SHEET 9
HOLDING TIMES

Analytical Method: EPA 8260B

AAB#: 120305AN-164483

Lab Name: APPL, Inc

Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time Ext	Time Held Ext	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
B4-NT1-SW1	29-Feb-12	01-Mar-12	05-Mar-12			05-Mar-12	14	5	

Comments: ARF: 67099

AFCEE
ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: METHOD 8260

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: Sweetpea ICAL ID: S120229

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
25ug/mL BFB Std 11-16-11	29-Feb-12	16:31	29-Feb-12	16:40
0.3ug/L Std@2-29-12SV	29-Feb-12	18:16	29-Feb-12	18:44
0.5ug/L Std@2-29-12SV	29-Feb-12	18:53	29-Feb-12	19:21
1.0ug/L Std@2-29-12SV	29-Feb-12	19:30	29-Feb-12	19:58
5.0ug/L Std@2-29-12SV	29-Feb-12	20:07	29-Feb-12	20:35
10ug/L Std@2-29-12SV	29-Feb-12	20:44	29-Feb-12	21:12
40ug/L Std@2-29-12SV	29-Feb-12	21:21	29-Feb-12	21:49
100ug/L Std@2-29-12SV	29-Feb-12	21:58	29-Feb-12	22:26
200ug/L Std@2-29-12SV	29-Feb-12	22:35	29-Feb-12	23:03

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: METHOD 8260

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: Sweetpea ICAL ID: S120229

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
25ug/mL BFB Std 11-16-11	01-Mar-12	2:04	01-Mar-12	2:32
120229A LCS-1WS (SS)	01-Mar-12	2:47	01-Mar-12	3:15

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: METHOD 8260

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: Sweetpea ICAL ID: S120229

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
25ug/mL BFB Std 2-13-12	02-Mar-12	9:21	02-Mar-12	9:30
10ug/L STD 3-02-12	02-Mar-12	10:30	02-Mar-12	10:58
120302A LCS-1WS	02-Mar-12	11:07	02-Mar-12	11:35
120302A BLK-1WS	02-Mar-12	12:58	02-Mar-12	13:27
AY56026W02	02-Mar-12	13:35	02-Mar-12	14:04

Comments:

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Injection Log

Directory: M:\SWEETPEA\DATA\S120229\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0229S00T.D	1	25ug/mL BFB Std 11-16-11	2uL	29 Feb 12 16:31
2	3	0229S03W.D	1	0.3ug/L Std@2-29-12SV	Water 10mL w/IS:02-17-12	29 Feb 12 18:16
3	4	0229S04W.D	1	0.5ug/L Std@2-29-12SV	Water 10mL w/IS:02-17-12	29 Feb 12 18:53
4	5	0229S05W.D	1	1.0ug/L Std@2-29-12SV	Water 10mL w/IS:02-17-12	29 Feb 12 19:30
5	6	0229S06W.D	1	5.0ug/L Std@2-29-12SV	Water 10mL w/IS:02-17-12	29 Feb 12 20:07
6	7	0229S07W.D	1	10ug/L Std@2-29-12SV	Water 10mL w/IS:02-17-12	29 Feb 12 20:44
7	8	0229S08W.D	1	40ug/L Std@2-29-12SV	Water 10mL w/IS:02-17-12	29 Feb 12 21:21
8	9	0229S09W.D	1	100ug/L Std@2-29-12SV	Water 10mL w/IS:02-17-12	29 Feb 12 21:58
9	10	0229S10W.D	1	200ug/L Std@2-29-12SV	Water 10mL w/IS:02-17-12	29 Feb 12 22:35
10	15	0229S15W.D	1	25ug/mL BFB Std 11-16-11	Water 10mL w/IS:02-17-12	1 Mar 12 2:04
11	16	0229S16W.D	1	120229A LCS-1WS (SS)	Water 10mL w/IS:02-17-12	1 Mar 12 2:47
12	1	0302S00T.D	1	25ug/mL BFB Std 2-13-12	2uL	2 Mar 12 9:21
13	2	0302S02W.D	1	10ug/L STD 3-02-12	Water 10mL w/IS:02-17-12	2 Mar 12 10:30
14	3	0302S03W.D	1	120302A LCS-1WS	Water 10mL w/IS:02-17-12	2 Mar 12 11:07
15	7	0302S06W.D	1	120302A BLK-1WS	Water 10mL w/IS:02-17-12	2 Mar 12 12:58
16	8	0302S07W.D	1	AY56026W02	Water 10mL w/IS:02-17-12	2 Mar 12 13:35

AFCEE
ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: METHOD 8260B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: Neo ICAL ID: N120305

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
25ug/mL BFB Std 2-13-12	05-Mar-12	10:17	05-Mar-12	10:28
2ug/kg Vol Std 03-05-12	05-Mar-12	12:46	05-Mar-12	13:18
5ug/kg Vol Std 03-05-12	05-Mar-12	13:24	05-Mar-12	13:56
10ug/kg Vol Std 03-05-12	05-Mar-12	14:03	05-Mar-12	14:34
20ug/kg Vol Std 03-05-12	05-Mar-12	14:41	05-Mar-12	15:13
50ug/kg Vol Std 03-05-12	05-Mar-12	15:19	05-Mar-12	15:51
100ug/kg Vol Std 03-05-12	05-Mar-12	15:57	05-Mar-12	16:29
200ug/kg Vol Std 03-05-12	05-Mar-12	16:35	05-Mar-12	17:07
25ug/mL BFB Std 2-13-12	05-Mar-12	17:51	05-Mar-12	18:23
50ug/kg Vol Std 03-05-12	05-Mar-12	19:08	05-Mar-12	19:39
120305A LCS-1SN (ss)	05-Mar-12	20:24	05-Mar-12	20:56
120305A BLK-1SN	05-Mar-12	22:19	05-Mar-12	22:51
AY56027S01 5.039	05-Mar-12	22:57	05-Mar-12	23:29

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: METHOD 8260B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: Neo ICAL ID: N120305

Injection Log

Directory: M:\NEO\DATA\N120305\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0305N00T.D	1	25ug/mL BFB Std 2-13-12	2uL	5 Mar 12 10:17
2	1	0305N04S.D	1	2ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 12:46
3	1	0305N05S.D	1	5ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 13:24
4	1	0305N06S.D	1	10ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 14:03
5	1	0305N07S.D	1	20ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 14:41
6	1	0305N08S.D	1	50ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 15:19
7	1	0305N09S.D	1	100ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 15:57
8	1	0305N10S.D	1	200ug/kg Vol Std 03-05-12	Soil 5mL w/IS:10-20-11	5 Mar 12 16:35
9	1	0305N12S.D	1	25ug/mL BFB Std 2-13-12	Soil 5mL w/IS&S:10-20-11	5 Mar 12 17:51
10	1	0305N14S.D	1	50ug/kg Vol Std 03-05-12	Soil 5mL w/IS&S:10-20-11	5 Mar 12 19:08
11	1	0305N16S.D	1	120305A LCS-1SN (ss)	Soil 5mL w/IS&S:10-20-11	5 Mar 12 20:24
12	1	0305N19S.D	1	120305A BLK-1SN	Soil 5mL w/IS&S:10-20-11	5 Mar 12 22:19
13	1	0305N20S.D	0.99226	AY56027S01 5.039	Soil 5mL w/IS&S:10-20-11	5 Mar 12 22:57

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: METHOD 8260

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Sweetpea Compound: BFB Injection Date/Time: 29-Feb-12 16:31

Initial Calibration ID: S120229

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	14.9 - 40% of mass 95	15.8	PASS
75	30 - 60% of mass 95	40.9	PASS
95	100 - 100% of mass 95	100.0	PASS
96	5 - 9% of mass 95	6.5	PASS
173	0 - 2% of mass 174	0.0	PASS
174	50 - 100% of mass 95	94.5	PASS
175	5 - 9% of mass 174	5.0	PASS
176	95 - 101% of mass 174	96.4	PASS
177	5 - 9% of mass 176	6.6	PASS

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AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: METHOD 8260

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Sweetpea Compound: BFB Injection Date/Time: 1 Mar 12 2:04

Initial Calibration ID: S120229

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	14.9 - 40% of mass 95	15.6	PASS
75	30 - 60% of mass 95	40.5	PASS
95	100 - 100% of mass 95	100.0	PASS
96	5 - 9% of mass 95	6.0	PASS
173	0 - 2% of mass 174	0.0	PASS
174	50 - 100% of mass 95	93.3	PASS
175	5 - 9% of mass 174	5.5	PASS
176	95 - 101% of mass 174	98.3	PASS
177	5 - 9% of mass 176	6.0	PASS

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AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: METHOD 8260

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Sweetpea Compound: BFB Injection Date/Time: 2 Mar 12 9:21

Initial Calibration ID: S120229

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	14.9 - 40% of mass 95	14.9	PASS
75	30 - 60% of mass 95	41.5	PASS
95	100 - 100% of mass 95	100.0	PASS
96	5 - 9% of mass 95	6.4	PASS
173	0 - 2% of mass 174	0.0	PASS
174	50 - 100% of mass 95	91.5	PASS
175	5 - 9% of mass 174	7.7	PASS
176	95 - 101% of mass 174	96.7	PASS
177	5 - 9% of mass 176	6.4	PASS

AFCEE FORM O-11 Page ___ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method: METHOD 8260B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Neo Compound: BFB Injection Date/Time: 5 Mar 12 10:17

Initial Calibration ID: N120305

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of mass 95	22.4	PASS
75	30 - 60% of mass 95	47.7	PASS
95	100 - 100% of mass 95	100.0	PASS
96	5 - 9% of mass 95	6.9	PASS
173	0 - 2% of mass 174	0.4	PASS
174	50 - 100% of mass 95	74.1	PASS
175	5 - 9% of mass 174	7.1	PASS
176	95 - 101% of mass 174	98.1	PASS
177	5 - 9% of mass 176	7.2	PASS

AFCEE FORM O-11 Page ___ of ____

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT PERFORMANCE CHECK
(BFB or OFTPP)

Analytical Method: METHOD 8260B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: Neo Compound: BFB Injection Date/Time: 5 Mar 12 17:51

Initial Calibration ID: N120305

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of mass 95	24.2	PASS
75	30 - 60% of mass 95	48.9	PASS
95	100 - 100% of mass 95	100.0	PASS
96	5 - 9% of mass 95	5.9	PASS
173	0 - 2% of mass 174	0.4	PASS
174	50 - 100% of mass 95	71.9	PASS
175	5 - 9% of mass 174	6.9	PASS
176	95 - 101% of mass 174	96.5	PASS
177	5 - 9% of mass 176	6.8	PASS

AFCEE FORM O-11 Page ___ of ____

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 67099
Matrix: Water
ID: 20ug/mL BFB Std 2-13-12
5 HW 3/9/12

SDG No: 67099
Date Analyzed: 03/02/12
Instrument: Sweetpea
Time Analyzed: 9:21

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		10ug/L STD 3-02-12	0302S02W.D	03/02/12 10:30
2	Lab Control Spike	120302A LCS-1WS	0302S03W.D	03/02/12 11:07
3	Blank	120302A BLK-1WS	0302S06W.D	03/02/12 12:58
4	TB-1	AY56026W02	0302S07W.D	03/02/12 13:35
5				
6				
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11				
12				
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17				
18				
19				
20				
21				
22				

m/e		
50	14.9 - 40% of mass 95	14.9
75	30 - 60% of mass 95	41.5
95	100 - 100% of mass 95	100.0
96	5 - 9% of mass 95	6.4
173	0 - 2% of mass 174	0.0
174	50 - 100% of mass 95	91.5
175	5 - 9% of mass 174	7.7
176	95 - 101% of mass 174	96.7
177	5 - 9% of mass 176	6.4

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 67099
Matrix: Soil
ID: 25ug/mL BFB Std 2-13-12

SDG No: 67099
Date Analyzed: 03/05/12
Instrument: Neo
Time Analyzed: 17:51

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		25ug/mL BFB Std 2-13	0305N12S.D	03/05/12 17:51
2		50ug/kg Vol Std 03-	0305N14S.D	03/05/12 19:08
3	Lab Control Spike	120305A LCS-1SN (ss)	0305N16S.D	03/05/12 20:24
4	Blank	120305A BLK-1SN	0305N19S.D	03/05/12 22:19
5	B4-NT1-SW1	AY56027S01 5.039	0305N20S.D	03/05/12 22:57
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19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	24.2
75	30 - 60% of mass 95	48.9
95	100 - 100% of mass 95	100.0
96	5 - 9% of mass 95	5.9
173	0 - 2% of mass 174	0.4
174	50 - 100% of mass 95	71.9
175	5 - 9% of mass 174	6.9
176	95 - 101% of mass 174	96.5
177	5 - 9% of mass 176	6.8

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: *G012

Lab Code: _____ SDG No.: 67099

Lab File ID (Standard): 0229S07W.D Date Analyzed: 02/29/12

Instrument ID: Sweetpea Time Analyzed: 20:44

GC Column: _____ ID: Heated Purge: (Y/N) _____

		Fluorobenzene (IS)		Chlorobenzene-D5 (IS)		1,4-Dichlorobenzene-D (IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	263104	9.76	190016	14.81	97000	18.89
	UPPER LIMIT	526208	10.26	380032	15.31	194000	19.39
	LOWER LIMIT	131552	9.26	95008	14.31	48500	18.39
	SAMPLE NO.						
01	10ug/L STD 3-02-12	271424	9.75	196992	14.78	100368	18.87
02	120302A LCS-1WS	274816	9.75	200768	14.78	101808	18.87
03	120302A BLK-1WS	267712	9.75	191040	14.79	99384	18.88
04	AY56026W02	269120	9.75	196672	14.79	94960	18.88
05							
06							
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20							
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22							

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: *G012

Lab Code: _____ SDG No.: 67099

Lab File ID (Standard): 0305N08S.D Date Analyzed: 5 Mar 12 15:19

Instrument ID: Neo Time Analyzed: 5 Mar 12 15:19

GC Column: _____ ID: Heated Purge: (Y/N) _____

		Fluorobenzene (IS)		Chlorobenzene-D5 (IS)		1,4-Dichlorobenzene-D (IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	309248	13.29	209344	18.46	79952	22.65
	UPPER LIMIT	618496	13.79	418688	18.96	159904	23.15
	LOWER LIMIT	154624	12.79	104672	17.96	39976	22.15
	SAMPLE NO.						
01	50ug/kg Vol Std 03-05-1	297344	13.29	206720	18.47	81512	22.66
02	120305A LCS-1SN (ss)	321344	13.29	209408	18.46	87496	22.65
03	120305A BLK-1SN	326784	13.29	216448	18.45	97616	22.65
04	AY56027S01 5.039	263104	13.28	180416	18.46	68280	22.64
05							
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22							

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

EPA METHOD 8260B
Volatile Organic Compounds
Calibration Data

APPL, INC.

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S03W.D Vial: 3
Acq On : 29 Feb 12 18:16 Operator: DG,SV,RS
Sample : 0.3ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.76	96	256128	25.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	14.81	117	182272	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	18.89	152	91456	25.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	8.40	111	4431	0.57525 ppb		0.00
Spiked Amount 20.857			Recovery = 2.757%			
36) 1,2-DCA-D4(S)	9.18	65	2756	0.51815 ppb		0.00
Spiked Amount 20.981			Recovery = 2.469%			
56) Toluene-D8(S)	12.35	98	13602	0.52448 ppb		0.00
Spiked Amount 21.584			Recovery = 2.428%			
64) 4-Bromofluorobenzene(S)	16.85	95	5006	0.58456 ppb		0.00
Spiked Amount 21.472			Recovery = 2.724%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.46	85	794	0.21447 ppb	#	82
3) Freon 114	2.62	85	1373	1.01177 ppb		81
4) Chloromethane	2.73	50	2045	0.39258 ppb		84
5) Vinyl chloride	2.89	62	1013	0.24706 ppb	#	82
6) Bromomethane	3.45	94	413	0.64268 ppb		81
7) Chloroethane	3.57	64	2055	0.33553 ppb	#	65
8) Dichlorofluoromethane	3.65	67	4855	0.29272 ppb	#	81
9) Trichlorofluoromethane	4.00	101	973	0.09082 ppb		77
10) Acrolein	4.54	56	1619	13.43327 ppb	#	76
11) Acetone	4.62	43	196	1.03110 ppb	#	49
12) Freon-113	4.81	101	1633	0.25026 ppb	#	69
13) 1,1-DCE	4.95	96	2351	0.31537 ppb	#	74
14) t-Butanol	5.06	59	1018	22.33277 ppb	#	85
15) Methyl Acetate	5.42	43	2634	2.40131 ppb		90
16) Iodomethane	5.34	142	233	1.63175 ppb	#	50
17) Acrylonitrile	5.77	53	238	0.24252 ppb	#	5
18) Methylene chloride	5.65	84	3169	0.39937 ppb	#	75
19) Carbon disulfide	5.67	76	2066	0.27538 ppb	#	91
20) Methyl t-butyl ether (MtBE	6.07	73	3614	0.31943 ppb	#	92
21) Trans-1,2-DCE	6.21	96	2814	0.31297 ppb	#	71
22) Diisopropyl Ether	6.87	45	7413	0.29955 ppb	#	93
23) 1,1-DCA	6.86	63	4899	0.32009 ppb		95
24) Vinyl Acetate	6.88	43	3328	0.28539 ppb	#	91
25) Ethyl tert Butyl Ether	7.54	59	4765	0.30040 ppb	#	84
26) MEK (2-Butanone)	7.51	43	528	0.21854 ppb	#	69
27) Cis-1,2-DCE	7.82	96	2667	0.29360 ppb		76
28) 2,2-Dichloropropane	7.81	77	2836	0.27230 ppb		90
29) Chloroform	8.09	83	4809	0.33156 ppb		78
30) Bromochloromethane	8.27	128	1346	0.51957 ppb		72
32) 1,1,1-TCA	8.76	97	3379	0.29548 ppb	#	62
33) Cyclohexane	8.90	56	2845	0.23120 ppb		92
34) 1,1-Dichloropropene	9.04	75	3192	0.29317 ppb		95
35) 2,2,4-Trimethylpentane	9.16	57	4703	0.22518 ppb	#	78
37) Carbon Tetrachloride	9.21	117	2467	0.27786 ppb		91
38) Tert Amyl Methyl Ether	9.33	73	4282	0.30679 ppb	#	88
39) 1,2-DCA	9.31	62	2200	0.33014 ppb	#	74
40) Benzene	9.40	78	11864	0.32577 ppb		90
41) TCE	10.44	95	2941	0.33927 ppb	#	66
42) 2-Pentanone	10.20	43	29486	14.10483 ppb		96

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S03W.D Vial: 3
Acq On : 29 Feb 12 18:16 Operator: DG,SV,RS
Sample : 0.3ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	10.66	63	2324	0.30111 ppb	#	91
44)	Bromodichloromethane	11.00	83	2934	0.32416 ppb	#	68
45)	Methyl Cyclohexane	10.68	83	2858	0.25725 ppb	#	42
46)	Dibromomethane	11.01	93	828	0.25180 ppb	#	77
48)	MIBK (methyl isobutyl ket	11.63	43	913	0.32068 ppb	#	85
49)	1-Bromo-2-chloroethane	11.74	63	2261	0.32132 ppb		90
50)	Cis-1,3-Dichloropropene	11.90	75	3843	0.33893 ppb		95
51)	Toluene	12.48	91	9920	0.30383 ppb		93
52)	Trans-1,3-Dichloropropene	12.70	75	1772	0.24267 ppb	#	50
53)	1,1,2-TCA	12.94	83	1028	0.26605 ppb		88
54)	2-Hexanone	13.05	43	327	0.20878 ppb	#	22
57)	1,2-EDB	14.09	107	1498	0.35253 ppb	#	59
58)	Tetrachloroethene	13.58	166	3222	0.36165 ppb		91
59)	1-Chlorohexane	14.59	91	3206	0.29245 ppb		95
60)	1,1,1,2-Tetrachloroethane	14.93	131	1785	0.26607 ppb		89
61)	m&p-Xylene	15.16	106	8443	0.58847 ppb		95
62)	o-Xylene	15.87	106	4296	0.31003 ppb		98
63)	Styrene	15.90	104	6111	0.27580 ppb		93
65)	1,3-Dichloropropane	13.35	76	2134	0.29525 ppb	#	70
66)	Dibromochloromethane	13.75	129	1799	0.32677 ppb		86
67)	Chlorobenzene	14.87	112	5683	0.27931 ppb	#	80
68)	Ethylbenzene	15.02	91	10791	0.30254 ppb		99
69)	Bromoform	16.33	173	663	0.22125 ppb		97
71)	Isopropylbenzene	16.51	105	9098	0.29137 ppb		92
72)	1,1,2,2-Tetrachloroethane	16.67	85	789	0.31141 ppb	#	36
73)	1,2,3-Trichloropropane	16.93	110	155	0.16971 ppb	#	22
74)	t-1,4-Dichloro-2-Butene	17.20	53	123	1.18592 ppb	#	22
75)	Bromobenzene	17.15	156	2667	0.31917 ppb	#	68
76)	n-Propylbenzene	17.20	91	11196	0.28412 ppb		91
77)	4-Ethyltoluene	17.40	105	6617	0.30086 ppb	#	74
78)	2-Chlorotoluene	17.44	91	7856	0.29616 ppb		99
79)	1,3,5-Trimethylbenzene	17.48	105	7693	0.29261 ppb		91
80)	4-Chlorotoluene	17.52	91	6419	0.28441 ppb		93
81)	Tert-Butylbenzene	18.09	119	8037	0.29063 ppb		92
82)	1,2,4-Trimethylbenzene	18.14	105	7679	0.29753 ppb		84
83)	Sec-Butylbenzene	18.47	105	10136	0.28189 ppb		94
84)	p-Isopropyltoluene	18.71	119	7937	0.27321 ppb		98
85)	Benzyl Chloride	19.10	91	591	0.23390 ppb	#	38
86)	1,3-DCB	18.77	146	4661	0.30170 ppb		88
87)	1,4-DCB	18.96	146	4532	0.29824 ppb		95
88)	n-Butylbenzene	19.42	91	7341	0.29874 ppb		91
89)	1,2-DCB	19.56	146	3675	0.28917 ppb		94
90)	Hexachloroethane	20.24	117	1585	0.23764 ppb		86
91)	1,2-Dibromo-3-chloropropan	20.85	157	449	0.65142 ppb	#	65
92)	1,2,4-Trichlorobenzene	22.52	180	1891	0.24999 ppb	#	74
93)	Hexachlorobutadiene	22.84	225	732	0.37136 ppb	#	78
94)	Naphthalene	22.87	128	862	0.20001 ppb	#	40
95)	1,2,3-Trichlorobenzene	23.30	180	2321	0.35150 ppb	#	53

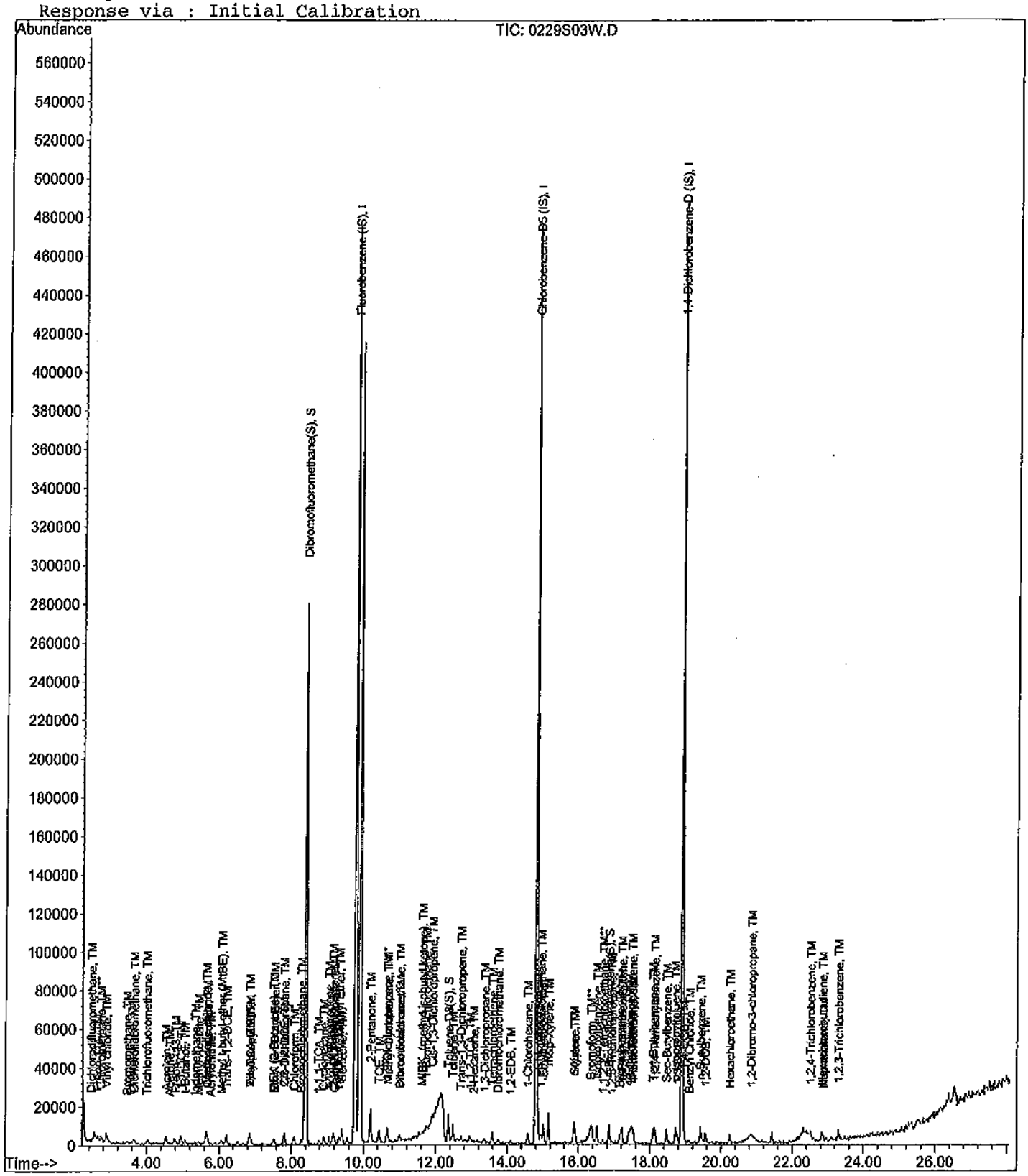
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S120229\0229S03W.D Vial: 3
Acq On : 29 Feb 12 18:16 Operator: DG,SV,RS
Sample : 0.3ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S04W.D Vial: 4
Acq On : 29 Feb 12 18:53 Operator: DG,SV,RS
Sample : 0.5ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.77	96	248064	25.00000 ppb		0.01
55) Chlorobenzene-D5 (IS)	14.80	117	180544	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	18.89	152	93880	25.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	8.39	111	7541	1.01084 ppb		0.00
Spiked Amount 20.857			Recovery =	4.847%		
36) 1,2-DCA-D4(S)	9.18	65	5375	1.04339 ppb		0.00
Spiked Amount 20.981			Recovery =	4.971%		
56) Toluene-D8(S)	12.35	98	26581	1.03475 ppb		0.00
Spiked Amount 21.584			Recovery =	4.795%		
64) 4-Bromofluorobenzene(S)	16.85	95	9605	1.13232 ppb		0.00
Spiked Amount 21.472			Recovery =	5.272%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.46	85	1554	0.43341 ppb		97
3) Freon 114	2.61	85	2824	1.23360 ppb	#	73
4) Chloromethane	2.74	50	2983	0.59126 ppb	#	72
5) Vinyl chloride	2.89	62	2585	0.65096 ppb	#	77
6) Bromomethane	3.46	94	879	0.86859 ppb		96
7) Chloroethane	3.59	64	2414	0.40696 ppb		95
8) Dichlorofluoromethane	3.65	67	8288	0.51594 ppb		88
9) Trichlorofluoromethane	4.03	101	4688	0.45182 ppb	#	68
10) Acrolein	4.54	56	3500	29.98446 ppb		88
11) Acetone	4.63	43	307	1.66754 ppb	#	49
12) Freon-113	4.80	101	3136	0.49622 ppb	#	67
13) 1,1-DCE	4.96	96	3381	0.46828 ppb		88
14) t-Butanol	5.08	59	1139	25.79953 ppb	#	76
15) Methyl Acetate	5.44	43	2802	2.47912 ppb	#	86
16) Iodomethane	5.33	142	426	1.65036 ppb	#	50
17) Acrylonitrile	5.76	53	342	0.35983 ppb	#	5
18) Methylene chloride	5.66	84	4255	0.55366 ppb		100
19) Carbon disulfide	5.64	76	3780	0.52022 ppb		95
20) Methyl t-butyl ether (MtBE	6.05	73	5861	0.53488 ppb		99
21) Trans-1,2-DCE	6.19	96	4297	0.49344 ppb		91
22) Diisopropyl Ether	6.88	45	12644	0.52754 ppb		89
23) 1,1-DCA	6.85	63	7630	0.51473 ppb	#	88
24) Vinyl Acetate	6.87	43	5385	0.47680 ppb	#	91
25) Ethyl tert Butyl Ether	7.53	59	7418	0.48285 ppb		100
26) MEK (2-Butanone)	7.53	43	1402	0.59915 ppb	#	69
27) Cis-1,2-DCE	7.81	96	4373	0.49706 ppb	#	83
28) 2,2-Dichloropropane	7.80	77	5680	0.56310 ppb	#	66
29) Chloroform	8.08	83	9506	0.67670 ppb		98
30) Bromochloromethane	8.27	128	1637	0.64485 ppb		90
32) 1,1,1-TCA	8.78	97	5721	0.51654 ppb	#	69
33) Cyclohexane	8.91	56	5865	0.49211 ppb		86
34) 1,1-Dichloropropene	9.04	75	5293	0.50195 ppb	#	82
35) 2,2,4-Trimethylpentane	9.14	57	9694	0.47925 ppb		96
37) Carbon Tetrachloride	9.20	117	4054	0.47145 ppb	#	74
38) Tert Amyl Methyl Ether	9.35	73	7303	0.54025 ppb		94
39) 1,2-DCA	9.33	62	3694	0.57235 ppb	#	81
40) Benzene	9.41	78	18131	0.51404 ppb		95
41) TCE	10.43	95	4996	0.59506 ppb	#	76
42) 2-Pentanone	10.19	43	52190	25.77701 ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S04W.D Vial: 4
Acq On : 29 Feb 12 18:53 Operator: DG,SV,RS
Sample : 0.5ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	10.66	63	3736	0.49979 ppb	#	91
44)	Bromodichloromethane	10.99	83	4665	0.53216 ppb		87
45)	Methyl Cyclohexane	10.69	83	5570	0.51767 ppb		77
46)	Dibromomethane	11.02	93	1845	0.57932 ppb	#	78
47)	2-Chloroethyl vinyl ether	11.55	106	72	0.16629 ppb	#	1
48)	MIBK (methyl isobutyl ket	11.64	43	1718	0.62305 ppb	#	71
49)	1-Bromo-2-chloroethane	11.74	63	3593	0.52722 ppb	#	80
50)	Cis-1,3-Dichloropropene	11.90	75	5737	0.52241 ppb		85
51)	Toluene	12.49	91	16211	0.51265 ppb		97
52)	Trans-1,3-Dichloropropene	12.71	75	3706	0.52402 ppb		91
53)	1,1,2-TCA	12.95	83	2286	0.61086 ppb	#	71
54)	2-Hexanone	13.05	43	647	0.42652 ppb	#	88
57)	1,2-EDB	14.09	107	2139	0.50819 ppb		98
58)	Tetrachloroethene	13.59	166	4237	0.48013 ppb	#	87
59)	1-Chlorohexane	14.58	91	5179	0.47694 ppb		82
60)	1,1,1,2-Tetrachloroethane	14.94	131	3334	0.50173 ppb		83
61)	m&p-Xylene	15.15	106	14042	0.98808 ppb		98
62)	o-Xylene	15.86	106	6721	0.48968 ppb	#	52
63)	Styrene	15.91	104	11704	0.53328 ppb		81
65)	1,3-Dichloropropane	13.35	76	3943	0.55076 ppb	#	75
66)	Dibromochloromethane	13.77	129	2766	0.50723 ppb	#	65
67)	Chlorobenzene	14.87	112	10843	0.53802 ppb		88
68)	Ethylbenzene	15.01	91	16407	0.46439 ppb		98
69)	Bromoform	16.33	173	1582	0.53298 ppb		99
71)	Isopropylbenzene	16.51	105	15830	0.49387 ppb		98
72)	1,1,2,2-Tetrachloroethane	16.68	85	1438	0.55291 ppb		84
73)	1,2,3-Trichloropropane	16.92	110	396	0.42240 ppb	#	29
74)	t-1,4-Dichloro-2-Butene	17.01	53	115	1.15287 ppb	#	22
75)	Bromobenzene	17.16	156	4629	0.53966 ppb		88
76)	n-Propylbenzene	17.20	91	19369	0.47883 ppb		91
77)	4-Ethyltoluene	17.41	105	11208	0.49644 ppb	#	81
78)	2-Chlorotoluene	17.44	91	13793	0.50656 ppb		95
79)	1,3,5-Trimethylbenzene	17.48	105	13454	0.49853 ppb		94
80)	4-Chlorotoluene	17.53	91	12173	0.52542 ppb	#	79
81)	Tert-Butylbenzene	18.09	119	14531	0.51189 ppb	#	88
82)	1,2,4-Trimethylbenzene	18.14	105	12254	0.46253 ppb		89
83)	Sec-Butylbenzene	18.47	105	18512	0.50154 ppb		96
84)	p-Isopropyltoluene	18.71	119	14587	0.48915 ppb	#	86
85)	Benzyl Chloride	19.10	91	1224	0.47192 ppb	#	89
86)	1,3-DCB	18.77	146	7509	0.47350 ppb		89
87)	1,4-DCB	18.95	146	8122	0.52070 ppb		82
88)	n-Butylbenzene	19.42	91	12770	0.50626 ppb	#	92
89)	1,2-DCB	19.56	146	5954	0.45641 ppb		93
90)	Hexachloroethane	20.23	117	3135	0.45790 ppb	#	55
91)	1,2-Dibromo-3-chloropropan	20.85	157	363	0.51305 ppb	#	81
92)	1,2,4-Trichlorobenzene	22.51	180	3762	0.48450 ppb		82
93)	Hexachlorobutadiene	22.85	225	795	0.39290 ppb	#	61
94)	Naphthalene	22.86	128	2241	0.50655 ppb	#	69
95)	1,2,3-Trichlorobenzene	23.30	180	3067	0.45249 ppb	#	82

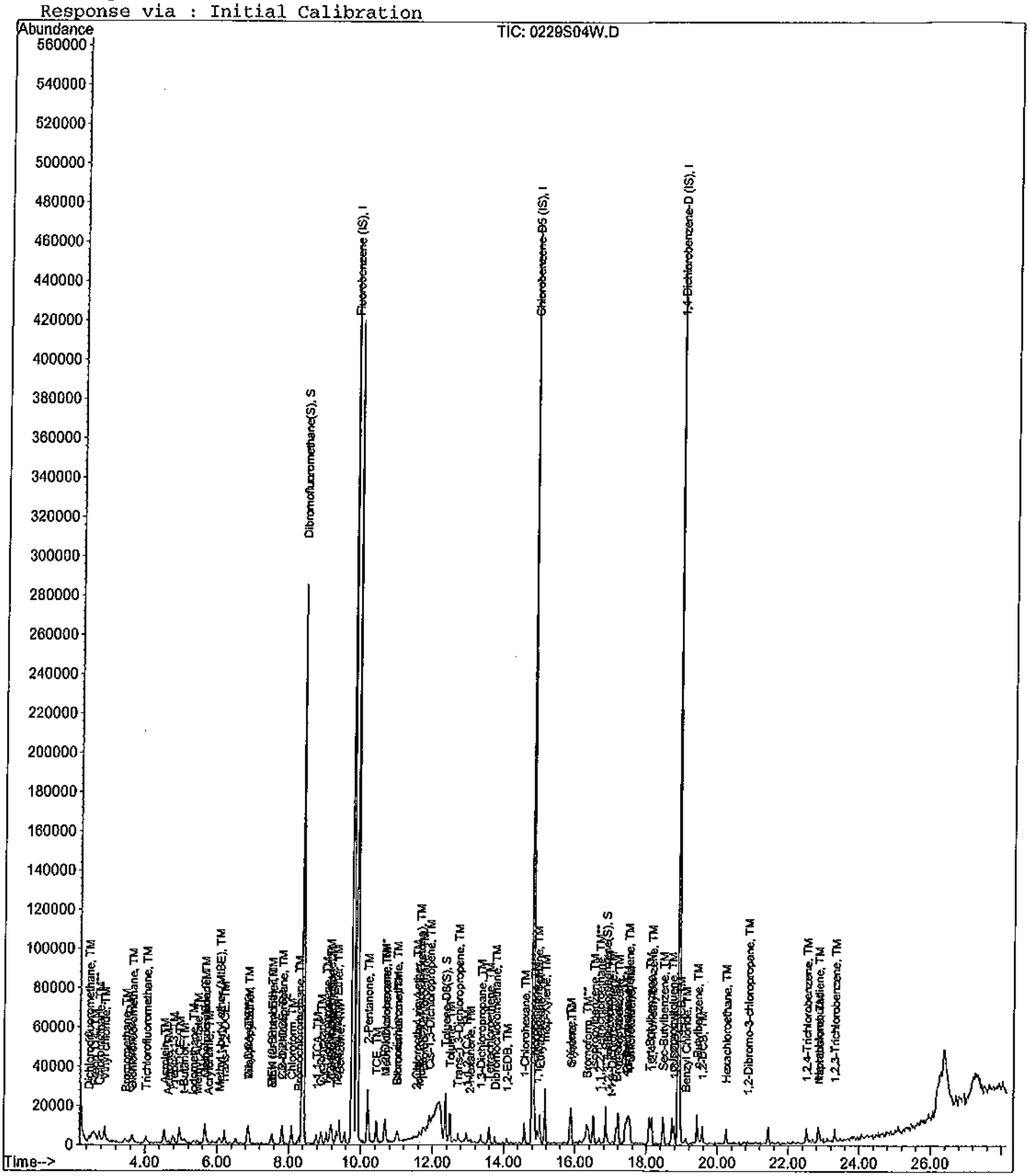
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S120229\0229S04W.D Vial: 4
Acq On : 29 Feb 12 18:53 Operator: DG,SV,RS
Sample : 0.5ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S05W.D Vial: 5
Acq On : 29 Feb 12 19:30 Operator: DG,SV,RS
Sample : 1.0ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.76	96	250816	25.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	14.81	117	192256	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	18.89	152	91552	25.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	8.39	111	15743	2.08712 ppb		0.00
Spiked Amount 20.857			Recovery = 10.006%			
36) 1,2-DCA-D4(S)	9.17	65	10873	2.08749 ppb		0.00
Spiked Amount 20.981			Recovery = 9.947%			
56) Toluene-D8(S)	12.35	98	49115	1.79548 ppb		0.00
Spiked Amount 21.584			Recovery = 8.316%			
64) 4-Bromofluorobenzene(S)	16.85	95	17217	1.90605 ppb		0.00
Spiked Amount 21.472			Recovery = 8.877%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.46	85	4183	1.15384 ppb		89
3) Freon 114	2.62	85	6203	1.72513 ppb		90
4) Chloromethane	2.75	50	5036	0.98723 ppb		99
5) Vinyl chloride	2.88	62	3415	0.85054 ppb		87
6) Bromomethane	3.45	94	1356	1.08654 ppb	#	64
7) Chloroethane	3.57	64	5817	0.96988 ppb		81
8) Dichlorofluoromethane	3.64	67	17107	1.05326 ppb		95
9) Trichlorofluoromethane	4.02	101	11402	1.08685 ppb	#	64
10) Acrolein	4.53	56	5799	49.13488 ppb		93
11) Acetone	4.64	43	542	2.91170 ppb	#	86
12) Freon-113	4.78	101	6430	1.00627 ppb	#	86
13) 1,1-DCE	4.95	96	7485	1.02533 ppb		87
14) t-Butanol	5.05	59	2139	47.91896 ppb	#	76
15) Methyl Acetate	5.43	43	4947	3.12746 ppb		94
16) Iodomethane	5.34	142	2761	1.86446 ppb	#	81
17) Acrylonitrile	5.75	53	1087	1.13112 ppb		84
18) Methylene chloride	5.64	84	8635	1.11126 ppb		92
19) Carbon disulfide	5.66	76	8693	1.18325 ppb		93
20) Methyl t-butyl ether (MtBE	6.06	73	10440	0.94231 ppb		95
21) Trans-1,2-DCE	6.20	96	8913	1.01228 ppb	#	90
22) Diisopropyl Ether	6.87	45	24811	1.02383 ppb		95
23) 1,1-DCA	6.84	63	15277	1.01929 ppb	#	93
24) Vinyl Acetate	6.87	43	11634	1.01881 ppb	#	91
25) Ethyl tert Butyl Ether	7.52	59	16578	1.06726 ppb		95
26) MEK (2-Butanone)	7.53	43	2110	0.89182 ppb	#	69
27) Cis-1,2-DCE	7.81	96	8966	1.00795 ppb		93
28) 2,2-Dichloropropane	7.81	77	11061	1.08453 ppb		89
29) Chloroform	8.09	83	13698	0.96441 ppb		88
30) Bromochloromethane	8.27	128	3074	1.17215 ppb		70
32) 1,1,1-TCA	8.78	97	11344	1.01299 ppb		99
33) Cyclohexane	8.91	56	13108	1.08777 ppb	#	75
34) 1,1-Dichloropropene	9.04	75	10793	1.01229 ppb		98
35) 2,2,4-Trimethylpentane	9.14	57	21880	1.06982 ppb		97
37) Carbon Tetrachloride	9.19	117	7656	0.88057 ppb		91
38) Tert Amyl Methyl Ether	9.33	73	12587	0.92092 ppb		95
39) 1,2-DCA	9.33	62	6664	1.02120 ppb	#	74
40) Benzene	9.41	78	36294	1.01770 ppb	#	95
41) TCE	10.44	95	8710	1.02605 ppb		84
42) 2-Pentanone	10.19	43	98826	48.27530 ppb		96

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S05W.D Vial: 5
Acq On : 29 Feb 12 19:30 Operator: DG,SV,RS
Sample : 1.0ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,2-Dichloropropane	10.66	63	7454	0.98622	ppb	#	91
44)	Bromodichloromethane	11.00	83	8033	0.90631	ppb	#	98
45)	Methyl Cyclohexane	10.68	83	10958	1.00724	ppb		88
46)	Dibromomethane	11.02	93	3016	0.93662	ppb	#	55
47)	2-Chloroethyl vinyl ether	11.54	106	81	0.28397	ppb	#	1
48)	MIBK (methyl isobutyl ket	11.64	43	2984	1.07030	ppb	#	84
49)	1-Bromo-2-chloroethane	11.73	63	7012	1.01761	ppb		97
50)	Cis-1,3-Dichloropropene	11.91	75	11415	1.02805	ppb		100
51)	Toluene	12.48	91	30296	0.94756	ppb		89
52)	Trans-1,3-Dichloropropene	12.71	75	6999	0.97878	ppb	#	55
53)	1,1,2-TCA	12.94	83	4315	1.14039	ppb	#	81
54)	2-Hexanone	13.04	43	1578	1.02884	ppb	#	77
57)	1,2-EDB	14.09	107	4032	0.89958	ppb		98
58)	Tetrachloroethene	13.59	166	9069	0.96508	ppb		92
59)	1-Chlorohexane	14.58	91	11903	1.02939	ppb		94
60)	1,1,1,2-Tetrachloroethane	14.94	131	6182	0.87364	ppb		100
61)	m&p-Xylene	15.16	106	29727	1.96434	ppb		92
62)	o-Xylene	15.86	106	13597	0.93030	ppb		99
63)	Styrene	15.89	104	21125	0.90390	ppb		93
65)	1,3-Dichloropropane	13.36	76	6885	0.90312	ppb	#	77
66)	Dibromochloromethane	13.76	129	4098	0.70571	ppb	#	51
67)	Chlorobenzene	14.87	112	20964	0.97686	ppb		86
68)	Ethylbenzene	15.01	91	37046	0.98470	ppb		96
69)	Bromoform	16.33	173	3071	0.97159	ppb		98
71)	Isopropylbenzene	16.51	105	33569	1.07393	ppb		95
72)	1,1,2,2-Tetrachloroethane	16.67	85	2758	1.08742	ppb	#	54
73)	1,2,3-Trichloropropane	16.92	110	1194	1.30598	ppb	#	40
74)	t-1,4-Dichloro-2-Butene	17.03	53	206	1.43533	ppb	#	22
75)	Bromobenzene	17.16	156	7807	0.93331	ppb		93
76)	n-Propylbenzene	17.20	91	40975	1.03872	ppb		98
77)	4-Ethyltoluene	17.39	105	21023	0.95487	ppb		90
78)	2-Chlorotoluene	17.44	91	27129	1.02166	ppb		100
79)	1,3,5-Trimethylbenzene	17.48	105	27244	1.03518	ppb		98
80)	4-Chlorotoluene	17.53	91	22049	0.97590	ppb		95
81)	Tert-Butylbenzene	18.09	119	28217	1.01930	ppb		90
82)	1,2,4-Trimethylbenzene	18.15	105	26214	1.01461	ppb		96
83)	Sec-Butylbenzene	18.46	105	36213	1.00605	ppb		91
84)	p-Isopropyltoluene	18.71	119	29315	1.00802	ppb	#	85
85)	Benzyl Chloride	19.09	91	2097	0.82907	ppb	#	92
86)	1,3-DCB	18.77	146	16030	1.03651	ppb		82
87)	1,4-DCB	18.94	146	15524	1.02054	ppb		94
88)	n-Butylbenzene	19.43	91	22432	0.91192	ppb		98
89)	1,2-DCB	19.56	146	12836	1.00897	ppb		90
90)	Hexachloroethane	20.24	117	6220	0.93160	ppb		79
91)	1,2-Dibromo-3-chloropropan	20.85	157	678	0.98263	ppb	#	69
92)	1,2,4-Trichlorobenzene	22.51	180	8037	1.06138	ppb		92
93)	Hexachlorobutadiene	22.84	225	1622	0.82200	ppb		88
94)	Naphthalene	22.87	128	3766	0.87291	ppb		95
95)	1,2,3-Trichlorobenzene	23.30	180	6041	0.91392	ppb		96

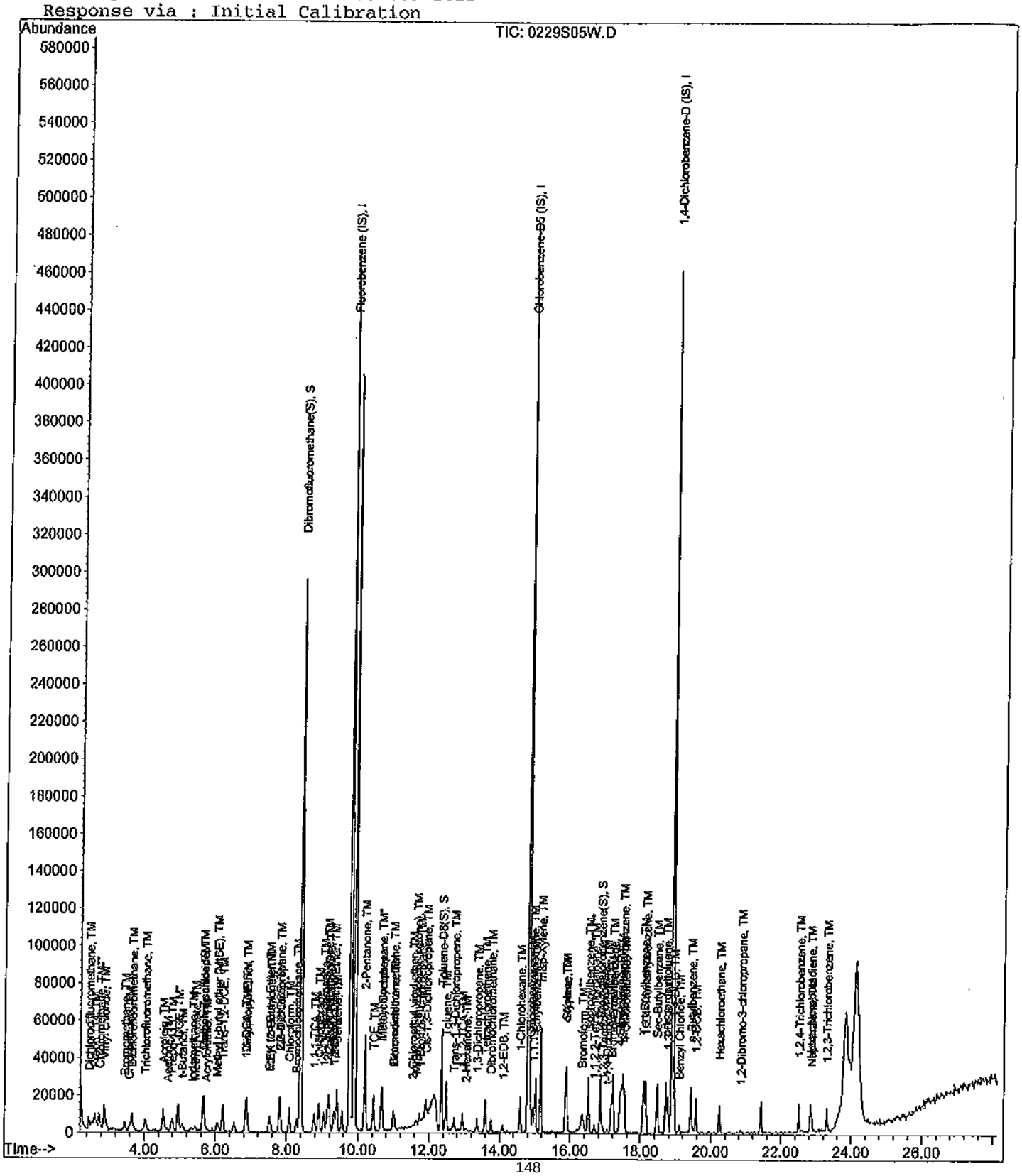
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S120229\0229S05W.D Vial: 5
Acq On : 29 Feb 12 19:30 Operator: DG,SV,RS
Sample : 1.0ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S06W.D Vial: 6
Acq On : 29 Feb 12 20:07 Operator: DG,SV,RS
Sample : 5.0ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.76	96	264448	25.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	14.81	117	186112	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	18.89	152	94400	25.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	8.40	111	76284	9.59198 ppb		0.00
Spiked Amount 20.857			Recovery = 45.989%			
36) 1,2-DCA-D4(S)	9.17	65	55486	10.10356 ppb		0.00
Spiked Amount 20.981			Recovery = 48.158%			
56) Toluene-D8(S)	12.35	98	256172	9.67396 ppb		0.00
Spiked Amount 21.584			Recovery = 44.821%			
64) 4-Bromofluorobenzene(S)	16.85	95	85036	9.72488 ppb		0.00
Spiked Amount 21.472			Recovery = 45.292%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.46	85	18056	4.72382 ppb		93
3) Freon 114	2.62	85	20747	3.70359 ppb		89
4) Chloromethane	2.75	50	25152	4.67651 ppb		84
5) Vinyl chloride	2.89	62	19224	4.54110 ppb		97
6) Bromomethane	3.45	94	8993	4.43262 ppb		97
7) Chloroethane	3.58	64	32466	5.13409 ppb		98
8) Dichlorofluoromethane	3.65	67	78525	4.58547 ppb		97
9) Trichlorofluoromethane	4.04	101	56638	5.12050 ppb		94
10) Acrolein	4.53	56	12742	102.39749 ppb		97
11) Acetone	4.63	43	829	4.22393 ppb	#	80
12) Freon-113	4.79	101	26872	3.98860 ppb		95
13) 1,1-DCE	4.96	96	32528	4.22613 ppb		97
14) t-Butanol	5.06	59	4369	92.83111 ppb		100
15) Methyl Acetate	5.41	43	14008	5.68499 ppb		96
16) Iodomethane	5.35	142	33273	4.51030 ppb		94
17) Acrylonitrile	5.74	53	4895	4.83111 ppb		84
18) Methylene chloride	5.64	84	36265	4.42647 ppb		93
19) Carbon disulfide	5.66	76	33664	4.34597 ppb		95
20) Methyl t-butyl ether (MtBE	6.07	73	56117	4.80398 ppb	#	92
21) Trans-1,2-DCE	6.20	96	42533	4.58160 ppb		98
22) Diisopropyl Ether	6.87	45	121068	4.73834 ppb		97
23) 1,1-DCA	6.85	63	72215	4.56986 ppb		97
24) Vinyl Acetate	6.88	43	58179	4.83219 ppb		99
25) Ethyl tert Butyl Ether	7.53	59	80075	4.88934 ppb		96
26) MEK (2-Butanone)	7.50	43	10743	4.30662 ppb	#	62
27) Cis-1,2-DCE	7.81	96	45022	4.80041 ppb		89
28) 2,2-Dichloropropane	7.81	77	48483	4.50871 ppb		97
29) Chloroform	8.08	83	63692	4.25311 ppb		91
30) Bromochloromethane	8.28	128	15360	5.44392 ppb	#	73
32) 1,1,1-TCA	8.77	97	52290	4.42865 ppb		97
33) Cyclohexane	8.90	56	51617	4.06266 ppb		93
34) 1,1-Dichloropropene	9.04	75	49030	4.36154 ppb		94
35) 2,2,4-Trimethylpentane	9.14	57	79876	3.70420 ppb		84
37) Carbon Tetrachloride	9.21	117	39714	4.33233 ppb		98
38) Tert Amyl Methyl Ether	9.33	73	70291	4.87770 ppb		96
39) 1,2-DCA	9.32	62	31470	4.57391 ppb		95
40) Benzene	9.41	78	172750	4.59428 ppb		96
41) TCE	10.43	95	38004	4.24614 ppb		94
42) 2-Pentanone	10.19	43	211177	97.83975 ppb		95

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S06W.D Vial: 6
Acq On : 29 Feb 12 20:07 Operator: DG,SV,RS
Sample : 5.0ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	10.66	63	39277	4.92878 ppb	#	96
44)	Bromodichloromethane	11.00	83	43072	4.60903 ppb		100
45)	Methyl Cyclohexane	10.68	83	46858	4.08508 ppb		97
46)	Dibromomethane	11.02	93	17892	5.26994 ppb		97
47)	2-Chloroethyl vinyl ether	11.74	106	334	3.66721 ppb	#	8
48)	MIBK (methyl isobutyl ket	11.63	43	12773	4.34525 ppb		92
49)	1-Bromo-2-chloroethane	11.74	63	33927	4.66982 ppb		97
50)	Cis-1,3-Dichloropropene	11.90	75	51316	4.38335 ppb		99
51)	Toluene	12.48	91	151757	4.50181 ppb		91
52)	Trans-1,3-Dichloropropene	12.70	75	36390	4.82666 ppb		93
53)	1,1,2-TCA	12.95	83	19220	4.81772 ppb		85
54)	2-Hexanone	13.04	43	6841	4.23033 ppb	#	85
57)	1,2-EDB	14.10	107	21236	4.89440 ppb		92
58)	Tetrachloroethene	13.59	166	40070	4.40481 ppb		96
59)	1-Chlorohexane	14.58	91	47757	4.26645 ppb		96
60)	1,1,1,2-Tetrachloroethane	14.94	131	34985	5.10731 ppb		90
61)	m&p-Xylene	15.15	106	142203	9.70687 ppb		97
62)	o-Xylene	15.87	106	69872	4.93842 ppb		99
63)	Styrene	15.90	104	113017	4.99541 ppb		96
65)	1,3-Dichloropropane	13.35	76	37021	5.01643 ppb		96
66)	Dibromochloromethane	13.76	129	28008	4.98244 ppb		97
67)	Chlorobenzene	14.87	112	99590	4.79377 ppb		92
68)	Ethylbenzene	15.01	91	168239	4.61948 ppb		94
69)	Bromoform	16.33	173	15369	5.02292 ppb		90
71)	Isopropylbenzene	16.51	105	151205	4.69138 ppb		96
72)	1,1,2,2-Tetrachloroethane	16.67	85	12839	4.90941 ppb		93
73)	1,2,3-Trichloropropane	16.93	110	4805	5.09709 ppb	#	70
74)	t-1,4-Dichloro-2-Butene	17.04	53	1752	5.92916 ppb	#	67
75)	Bromobenzene	17.16	156	41819	4.84855 ppb		95
76)	n-Propylbenzene	17.19	91	177958	4.37517 ppb		97
77)	4-Ethyltoluene	17.40	105	103841	4.57417 ppb		92
78)	2-Chlorotoluene	17.44	91	127509	4.65704 ppb		99
79)	1,3,5-Trimethylbenzene	17.48	105	122169	4.50195 ppb		98
80)	4-Chlorotoluene	17.53	91	111551	4.78835 ppb		97
81)	Tert-Butylbenzene	18.09	119	129748	4.54554 ppb		92
82)	1,2,4-Trimethylbenzene	18.14	105	121062	4.54433 ppb		94
83)	Sec-Butylbenzene	18.47	105	166400	4.48336 ppb		98
84)	p-Isopropyltoluene	18.72	119	134148	4.47360 ppb		99
85)	Benzyl Chloride	19.09	91	14139	5.42132 ppb		92
86)	1,3-DCB	18.77	146	76712	4.81061 ppb		94
87)	1,4-DCB	18.95	146	76715	4.89105 ppb		96
88)	n-Butylbenzene	19.42	91	106663	4.20532 ppb		95
89)	1,2-DCB	19.56	146	65807	5.01667 ppb		97
90)	Hexachloroethane	20.24	117	36448	5.29428 ppb		98
91)	1,2-Dibromo-3-chloropropan	20.87	157	2986	4.19708 ppb	#	67
92)	1,2,4-Trichlorobenzene	22.51	180	36594	4.68687 ppb		99
93)	Hexachlorobutadiene	22.84	225	9435	4.63725 ppb		97
94)	Naphthalene	22.87	128	19400	4.36101 ppb		94
95)	1,2,3-Trichlorobenzene	23.30	180	31774	4.66195 ppb		90

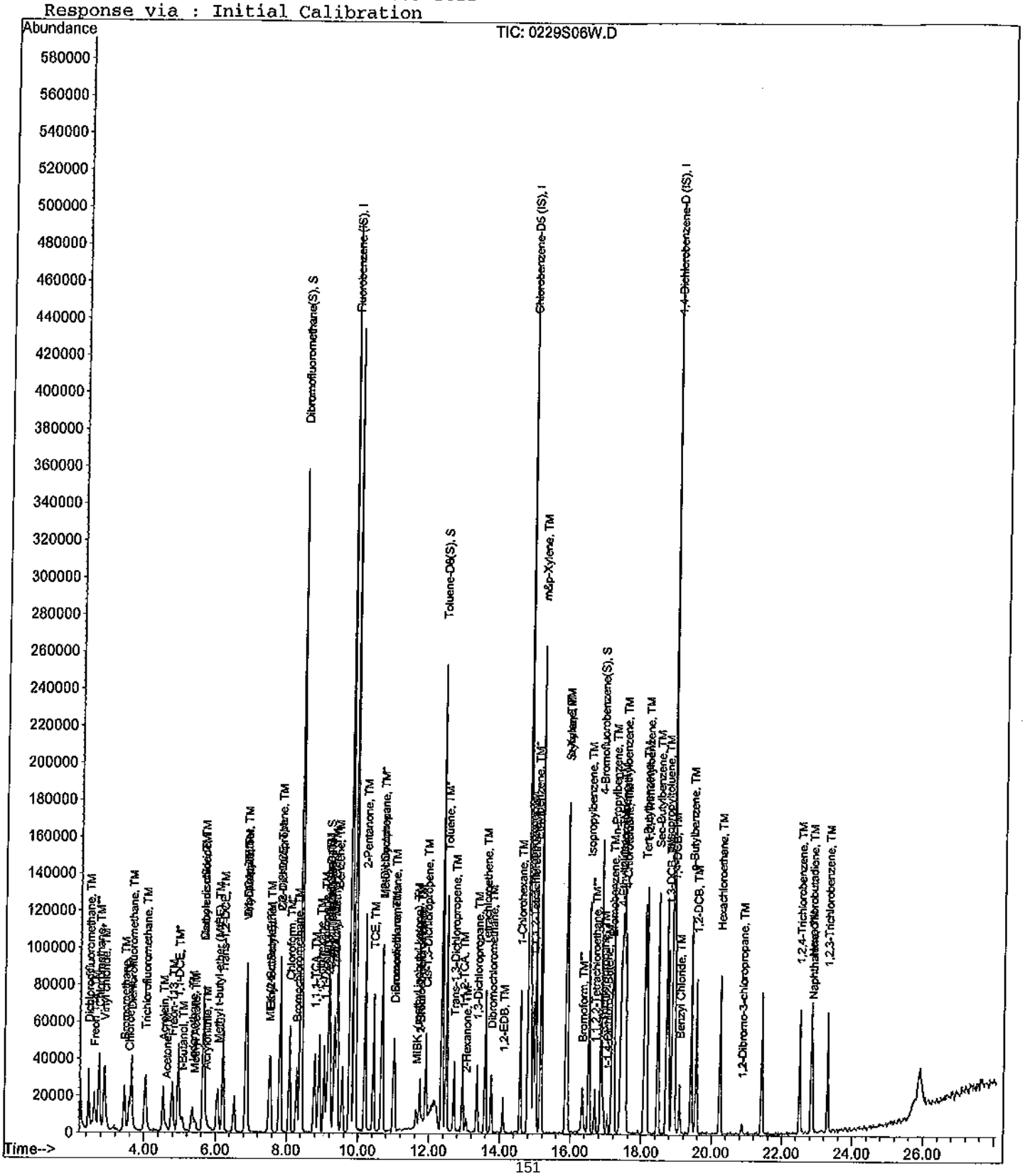
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S120229\0229S06W.D Vial: 6
Acq On : 29 Feb 12 20:07 Operator: DG,SV,RS
Sample : 5.0ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S07W.D Vial: 7
Acq On : 29 Feb 12 20:44 Operator: DG,SV,RS
Sample : 10ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.76	96	263104	25.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	14.81	117	190016	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	18.89	152	97000	25.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	8.39	111	202129	25.54562 ppb	0.00
Spiked Amount 20.857			Recovery = 122.480%		
36) 1,2-DCA-D4(S)	9.17	65	143784	26.31567 ppb	0.00
Spiked Amount 20.981			Recovery = 125.428%		
56) Toluene-D8(S)	12.35	98	711171	26.30454 ppb	0.00
Spiked Amount 21.584			Recovery = 121.874%		
64) 4-Bromofluorobenzene(S)	16.85	95	226648	25.38735 ppb	0.00
Spiked Amount 21.472			Recovery = 118.233%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.46	85	39296	10.33315 ppb	100
3) Freon 114	2.61	85	56066	8.66200 ppb	100
4) Chloromethane	2.74	50	51456	9.61608 ppb	100
5) Vinyl chloride	2.88	62	37920	9.00324 ppb	100
6) Bromomethane	3.45	94	20592	9.61066 ppb	100
7) Chloroethane	3.58	64	66779	10.61421 ppb	100
8) Dichlorofluoromethane	3.65	67	168423	9.88532 ppb	100
9) Trichlorofluoromethane	4.02	101	110045	9.99972 ppb	100
10) Acrolein	4.53	56	15893	128.37204 ppb	100
11) Acetone	4.63	43	1882	9.63816 ppb	100
12) Freon-113	4.79	101	62828	9.37316 ppb	100
13) 1,1-DCE	4.96	96	71453	9.33080 ppb	100
14) t-Butanol	5.06	59	5885	125.68134 ppb	100
15) Methyl Acetate	5.43	43	27377	9.61456 ppb	100
16) Iodomethane	5.33	142	88614	9.37234 ppb	100
17) Acrylonitrile	5.75	53	9951	9.87129 ppb	100
18) Methylene chloride	5.64	84	76997	9.44619 ppb	100
19) Carbon disulfide	5.66	76	72456	9.40175 ppb	100
20) Methyl t-butyl ether (MtBE	6.05	73	114159	9.82268 ppb	100
21) Trans-1,2-DCE	6.20	96	87982	9.52571 ppb	100
22) Diisopropyl Ether	6.86	45	243519	9.57949 ppb	100
23) 1,1-DCA	6.85	63	148372	9.43714 ppb	100
24) Vinyl Acetate	6.87	43	116578	9.73212 ppb	100
25) Ethyl tert Butyl Ether	7.53	59	156427	9.60014 ppb	100
26) MEK (2-Butanone)	7.49	43	25247	10.17263 ppb	100
27) Cis-1,2-DCE	7.82	96	88044	9.43552 ppb	100
28) 2,2-Dichloropropane	7.80	77	103385	9.66348 ppb	100
29) Chloroform	8.08	83	130557	8.76263 ppb	100
30) Bromochloromethane	8.29	128	29826	10.59671 ppb	100
32) 1,1,1-TCA	8.78	97	109163	9.29267 ppb	100
33) Cyclohexane	8.90	56	123938	9.80471 ppb	100
34) 1,1-Dichloropropene	9.04	75	104498	9.34326 ppb	100
35) 2,2,4-Trimethylpentane	9.14	57	200414	9.34155 ppb	100
37) Carbon Tetrachloride	9.20	117	92714	10.16568 ppb	100
38) Tert Amyl Methyl Ether	9.33	73	141156	9.84527 ppb	100
39) 1,2-DCA	9.32	62	64876	9.47737 ppb	100
40) Benzene	9.41	78	351333	9.39142 ppb	100
41) TCE	10.43	95	78908	8.86134 ppb	100
42) 2-Pentanone	10.19	43	265282	123.53481 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S07W.D Vial: 7
Acq On : 29 Feb 12 20:44 Operator: DG,SV,RS
Sample : 10ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43)	1,2-Dichloropropane	10.66	63	77898	9.82518 ppb	100
44)	Bromodichloromethane	10.99	83	90964	9.78356 ppb	100
45)	Methyl Cyclohexane	10.68	83	111069	9.73247 ppb	100
46)	Dibromomethane	11.02	93	34132	10.10465 ppb	100
47)	2-Chloroethyl vinyl ether	11.73	106	697	8.65583 ppb	100
48)	MIBK (methyl isobutyl ket	11.63	43	26564	9.08297 ppb	100
49)	1-Bromo-2-chloroethane	11.73	63	69471	9.61105 ppb	100
50)	Cis-1,3-Dichloropropene	11.90	75	113172	9.71640 ppb	100
51)	Toluene	12.48	91	315303	9.40112 ppb	100
52)	Trans-1,3-Dichloropropene	12.70	75	76540	10.20390 ppb	100
53)	1,1,2-TCA	12.94	83	37459	9.43751 ppb	100
54)	2-Hexanone	13.03	43	15397	9.56982 ppb	100
57)	1,2-EDB	14.09	107	42204	9.52718 ppb	100
58)	Tetrachloroethene	13.58	166	86204	9.28153 ppb	100
59)	1-Chlorohexane	14.57	91	109871	9.61385 ppb	100
60)	1,1,1,2-Tetrachloroethane	14.94	131	72618	10.38338 ppb	100
61)	m&p-Xylene	15.15	106	295372	19.74804 ppb	100
62)	o-Xylene	15.86	106	146573	10.14665 ppb	100
63)	Styrene	15.89	104	227908	9.86669 ppb	100
65)	1,3-Dichloropropane	13.35	76	75265	9.98904 ppb	100
66)	Dibromochloromethane	13.76	129	61486	10.71324 ppb	100
67)	Chlorobenzene	14.86	112	206442	9.73293 ppb	100
68)	Ethylbenzene	15.01	91	360761	9.70220 ppb	100
69)	Bromoform	16.33	173	31894	10.20948 ppb	100
71)	Isopropylbenzene	16.51	105	322026	9.72356 ppb	100
72)	1,1,2,2-Tetrachloroethane	16.67	85	27571	10.26008 ppb	100
73)	1,2,3-Trichloropropane	16.91	110	9212	9.51005 ppb	100
74)	t-1,4-Dichloro-2-Butene	17.03	53	3201	9.90813 ppb	100
75)	Bromobenzene	17.15	156	86939	9.80963 ppb	100
76)	n-Propylbenzene	17.19	91	391206	9.36015 ppb	100
77)	4-Ethyltoluene	17.39	105	222562	9.54101 ppb	100
78)	2-Chlorotoluene	17.43	91	260545	9.26088 ppb	100
79)	1,3,5-Trimethylbenzene	17.48	105	268008	9.61142 ppb	100
80)	4-Chlorotoluene	17.53	91	233354	9.74829 ppb	100
81)	Tert-Butylbenzene	18.09	119	278481	9.49470 ppb	100
82)	1,2,4-Trimethylbenzene	18.14	105	261979	9.57036 ppb	100
83)	Sec-Butylbenzene	18.46	105	364843	9.56657 ppb	100
84)	p-Isopropyltoluene	18.71	119	298793	9.69714 ppb	100
85)	Benzyl Chloride	19.10	91	28192	10.51992 ppb	100
86)	1,3-DCB	18.77	146	164151	10.01799 ppb	100
87)	1,4-DCB	18.94	146	154133	9.56353 ppb	100
88)	n-Butylbenzene	19.42	91	247051	9.47920 ppb	100
89)	1,2-DCB	19.56	146	135815	10.07607 ppb	100
90)	Hexachloroethane	20.23	117	74595	10.54492 ppb	100
91)	1,2-Dibromo-3-chloropropan	20.86	157	7869	10.76410 ppb	100
92)	1,2,4-Trichlorobenzene	22.51	180	82830	10.32431 ppb	100
93)	Hexachlorobutadiene	22.83	225	21648	10.35469 ppb	100
94)	Naphthalene	22.87	128	42400	9.27579 ppb	100
95)	1,2,3-Trichlorobenzene	23.30	180	68064	9.71883 ppb	100

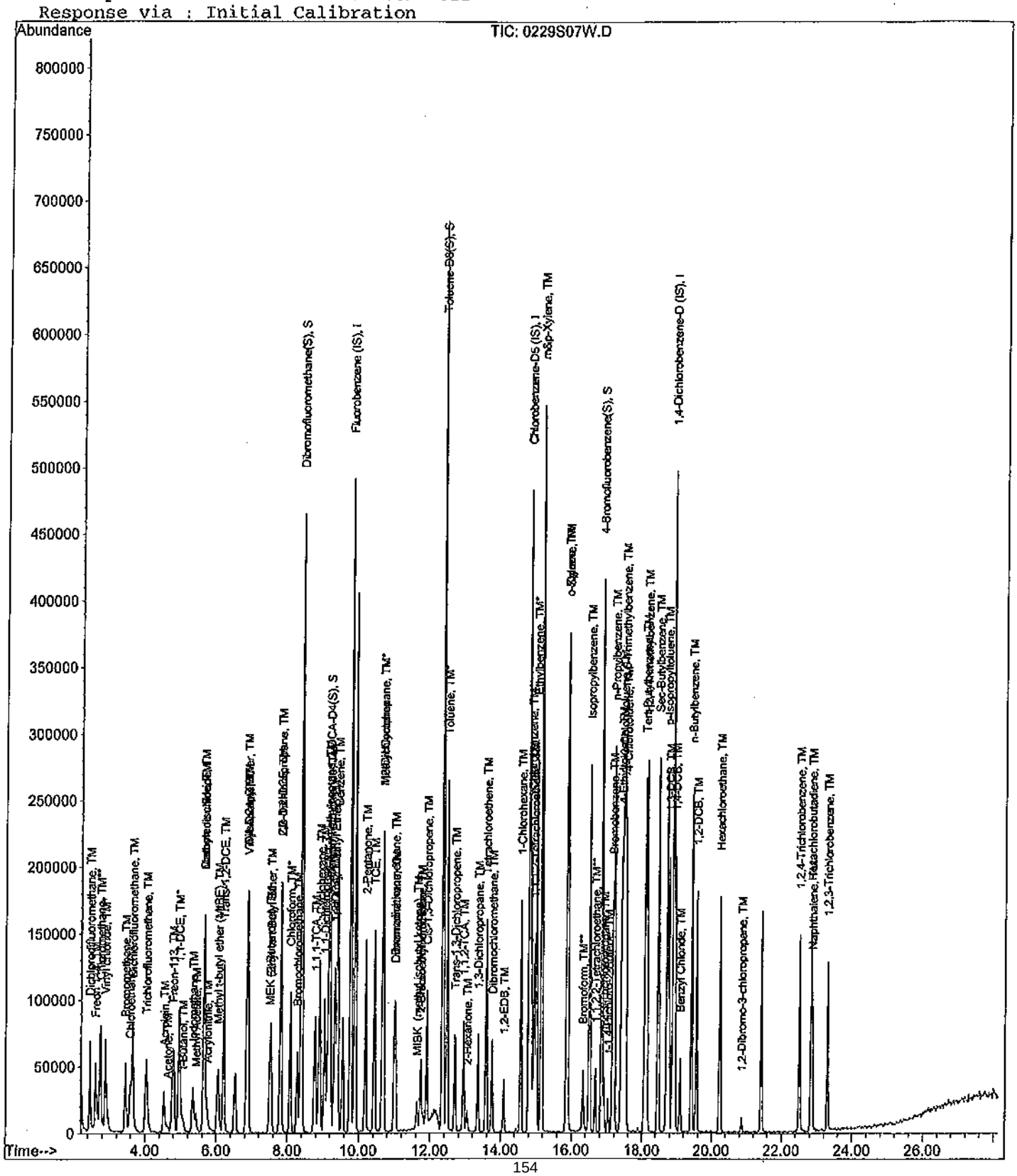
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S120229\0229S07W.D Vial: 7
Acq On : 29 Feb 12 20:44 Operator: DG,SV,RS
Sample : 10ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S08W.D Vial: 8
Acq On : 29 Feb 12 21:21 Operator: DG,SV,RS
Sample : 40ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.77	96	270144	25.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	14.80	117	196992	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	18.89	152	99368	25.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	8.39	111	649820	79.98581 ppb		0.00
Spiked Amount 20.857			Recovery = 383.493%			
36) 1,2-DCA-D4(S)	9.17	65	453220	80.78766 ppb		0.00
Spiked Amount 20.981			Recovery = 385.053%			
56) Toluene-D8(S)	12.35	98	2225414	79.39791 ppb		0.00
Spiked Amount 21.584			Recovery = 367.860%			
64) 4-Bromofluorobenzene(S)	16.84	95	716599	77.42536 ppb		0.00
Spiked Amount 21.472			Recovery = 360.586%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.46	85	174720	44.74651 ppb		100
3) Freon 114	2.62	85	290848	40.46391 ppb		92
4) Chloromethane	2.74	50	205118	37.33343 ppb		95
5) Vinyl chloride	2.87	62	210048	48.57147 ppb		98
6) Bromomethane	3.44	94	91680	40.15892 ppb		91
7) Chloroethane	3.58	64	282033	43.65962 ppb		92
8) Dichlorofluoromethane	3.65	67	769721	44.00020 ppb		98
9) Trichlorofluoromethane	4.02	101	479097	42.40069 ppb		92
10) Acrolein	4.53	56	21208	166.83854 ppb		97
11) Acetone	4.63	43	8336	41.57809 ppb		99
12) Freon-113	4.79	101	303228	44.05898 ppb		95
13) 1,1-DCE	4.94	96	338779	43.08710 ppb		93
14) t-Butanol	5.05	59	9052	188.27862 ppb		100
15) Methyl Acetate	5.42	43	124322	37.01158 ppb		97
16) Iodomethane	5.34	142	437686	38.94793 ppb		97
17) Acrylonitrile	5.74	53	44789	43.27239 ppb		93
18) Methylene chloride	5.64	84	339559	40.57237 ppb		87
19) Carbon disulfide	5.66	76	312064	39.43755 ppb		97
20) Methyl t-butyl ether (MtBE	6.05	73	494883	41.47196 ppb		96
21) Trans-1,2-DCE	6.20	96	400669	42.24949 ppb		96
22) Diisopropyl Ether	6.86	45	1073903	41.14401 ppb		95
23) 1,1-DCA	6.84	63	659097	40.82912 ppb		99
24) Vinyl Acetate	6.86	43	514370	41.82141 ppb	#	97
25) Ethyl tert Butyl Ether	7.51	59	686040	41.00600 ppb		98
26) MEK (2-Butanone)	7.49	43	103997	40.81094 ppb	#	88
27) Cis-1,2-DCE	7.81	96	404878	42.25931 ppb		91
28) 2,2-Dichloropropane	7.80	77	452642	41.20624 ppb		96
29) Chloroform	8.08	83	588352	38.45952 ppb		98
30) Bromochloromethane	8.27	128	116975	40.39255 ppb		87
32) 1,1,1-TCA	8.78	97	505951	41.94747 ppb		94
33) Cyclohexane	8.90	56	575034	44.30534 ppb		93
34) 1,1-Dichloropropene	9.05	75	487974	42.49320 ppb		97
35) 2,2,4-Trimethylpentane	9.14	57	924810	41.98321 ppb		97
37) Carbon Tetrachloride	9.20	117	411241	43.91567 ppb		99
38) Tert Amyl Methyl Ether	9.32	73	610110	41.44464 ppb	#	96
39) 1,2-DCA	9.31	62	273772	38.95157 ppb		99
40) Benzene	9.40	78	1544906	40.22039 ppb		99
41) TCE	10.43	95	359413	39.31009 ppb		96
42) 2-Pentanone	10.18	43	394321	178.83956 ppb		99

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S08W.D Vial: 8
Acq On : 29 Feb 12 21:21 Operator: DG,SV,RS
Sample : 40ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	10.65	63	339768	41.73774 ppb	#	96
44)	Bromodichloromethane	10.99	83	400396	41.94200 ppb		92
45)	Methyl Cyclohexane	10.67	83	510256	43.54621 ppb		98
46)	Dibromomethane	11.02	93	146905	42.35731 ppb		97
47)	2-Chloroethyl vinyl ether	11.73	106	3107	40.51421 ppb	#	1
48)	MIBK (methyl isobutyl ket	11.62	43	113978	37.95663 ppb		99
49)	1-Bromo-2-chloroethane	11.73	63	300504	40.49019 ppb		97
50)	Cis-1,3-Dichloropropene	11.89	75	478292	39.99369 ppb		96
51)	Toluene	12.47	91	1417286	41.15674 ppb		99
52)	Trans-1,3-Dichloropropene	12.70	75	325445	42.25589 ppb		97
53)	1,1,2-TCA	12.94	83	159646	39.17341 ppb		91
54)	2-Hexanone	13.04	43	75053	45.43262 ppb	#	81
57)	1,2-EDB	14.09	107	183661	39.99164 ppb		90
58)	Tetrachloroethene	13.59	166	388416	40.33952 ppb		95
59)	1-Chlorohexane	14.58	91	478919	40.42201 ppb		97
60)	1,1,1,2-Tetrachloroethane	14.95	131	310313	42.79922 ppb		96
61)	m&p-Xylene	15.16	106	1294665	83.49369 ppb		100
62)	o-Xylene	15.87	106	625647	41.77725 ppb		99
63)	Styrene	15.89	104	1005302	41.98073 ppb		98
65)	1,3-Dichloropropane	13.36	76	320680	41.05291 ppb		97
66)	Dibromochloromethane	13.75	129	252980	42.51794 ppb		93
67)	Chlorobenzene	14.86	112	906723	41.23462 ppb		98
68)	Ethylbenzene	15.01	91	1558208	40.42200 ppb		94
69)	Bromoform	16.32	173	144580	44.64208 ppb		100
71)	Isopropylbenzene	16.50	105	1446060	42.62318 ppb		98
72)	1,1,2,2-Tetrachloroethane	16.67	85	111935	40.66206 ppb		91
73)	1,2,3-Trichloropropane	16.91	110	40699	41.01452 ppb		90
74)	t-1,4-Dichloro-2-Butene	17.03	53	13665	38.70724 ppb		97
75)	Bromobenzene	17.15	156	370202	40.77576 ppb		89
76)	n-Propylbenzene	17.20	91	1755708	41.00671 ppb		99
77)	4-Ethyltoluene	17.39	105	976724	40.87337 ppb		99
78)	2-Chlorotoluene	17.44	91	1148027	39.83335 ppb		98
79)	1,3,5-Trimethylbenzene	17.48	105	1149107	40.22771 ppb		98
80)	4-Chlorotoluene	17.53	91	990945	40.40990 ppb		100
81)	Tert-Butylbenzene	18.08	119	1246494	41.48593 ppb		99
82)	1,2,4-Trimethylbenzene	18.14	105	1163373	41.48643 ppb		96
83)	Sec-Butylbenzene	18.47	105	1607278	41.14022 ppb		99
84)	p-Isopropyltoluene	18.71	119	1286106	40.74509 ppb		96
85)	Benzyl Chloride	19.09	91	120402	43.85764 ppb		97
86)	1,3-DCB	18.77	146	675421	40.23806 ppb		97
87)	1,4-DCB	18.94	146	656843	39.78407 ppb		98
88)	n-Butylbenzene	19.41	91	1093308	40.94990 ppb		97
89)	1,2-DCB	19.56	146	578878	41.92333 ppb		98
90)	Hexachloroethane	20.24	117	312470	43.11882 ppb		98
91)	1,2-Dibromo-3-chloropropan	20.86	157	30851	41.19575 ppb	#	74
92)	1,2,4-Trichlorobenzene	22.51	180	346995	42.22036 ppb		98
93)	Hexachlorobutadiene	22.83	225	85976	40.14409 ppb		90
94)	Naphthalene	22.87	128	206144	44.02315 ppb		99
95)	1,2,3-Trichlorobenzene	23.30	180	302934	42.22499 ppb		94

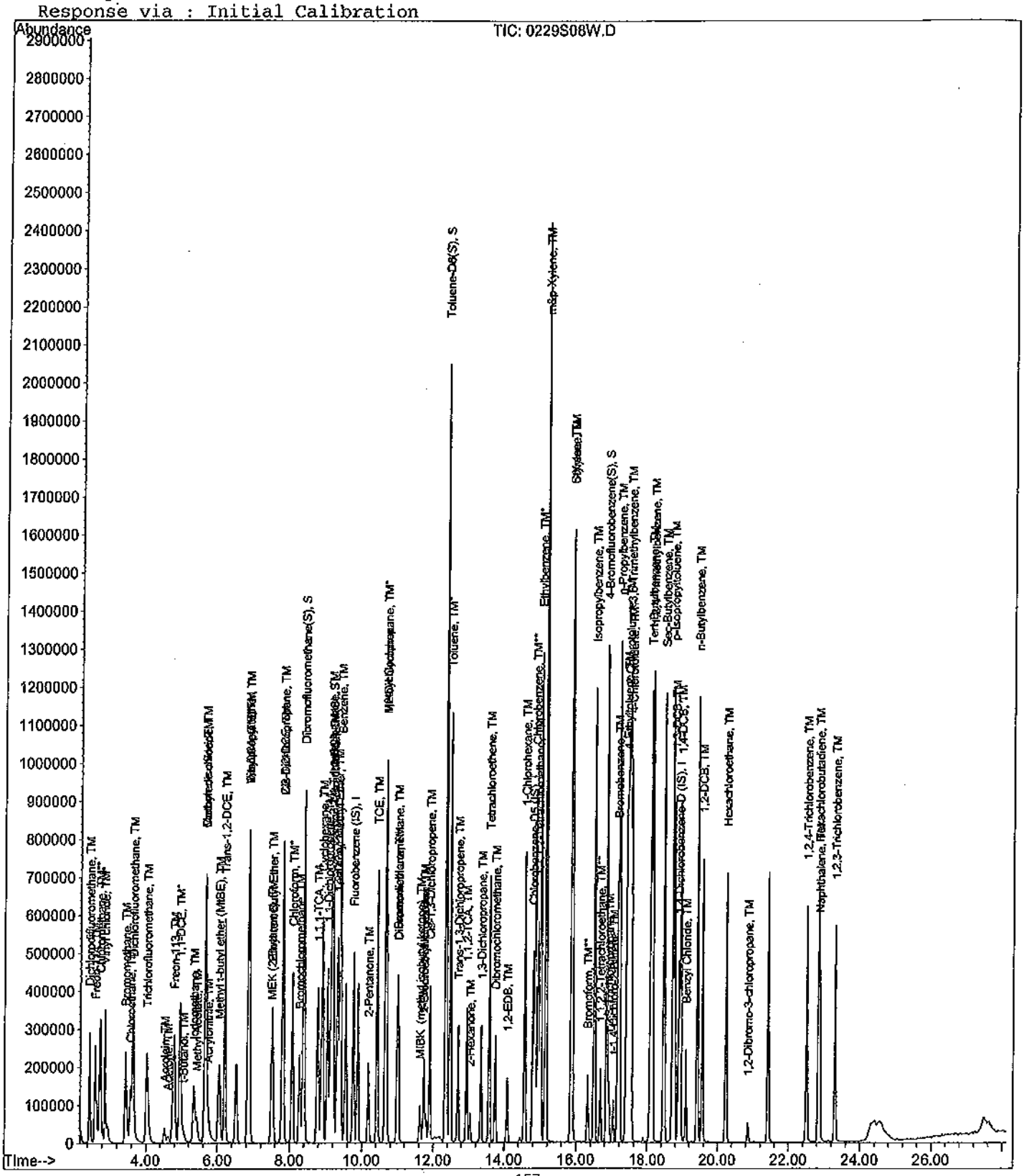
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S120229\0229S08W.D Vial: 8
Acq On : 29 Feb 12 21:21 Operator: DG,SV,RS
Sample : 40ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S09W.D Vial: 9
Acq On : 29 Feb 12 21:58 Operator: DG,SV,RS
Sample : 100ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.77	96	368384	25.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	14.80	117	255168	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	18.89	152	127784	25.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	8.40	111	1094756	98.81703 ppb		0.00
Spiked Amount 20.857			Recovery = 473.778%			
36) 1,2-DCA-D4(S)	9.17	65	738203	96.49534 ppb		0.00
Spiked Amount 20.981			Recovery = 459.916%			
56) Toluene-D8(S)	12.36	98	4043258	111.36586 ppb		0.00
Spiked Amount 21.584			Recovery = 515.972%			
64) 4-Bromofluorobenzene(S)	16.84	95	1201409	100.21213 ppb		0.00
Spiked Amount 21.472			Recovery = 466.710%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.45	85	469952	88.26014 ppb		99
3) Freon 114	2.61	85	753744	76.16565 ppb		97
4) Chloromethane	2.74	50	541851	72.32169 ppb		96
5) Vinyl chloride	2.87	62	590400	100.11603 ppb		97
6) Bromomethane	3.44	94	248000	79.21583 ppb		94
7) Chloroethane	3.57	64	734956	83.43263 ppb		92
8) Dichlorofluoromethane	3.64	67	1990721	83.44999 ppb		96
9) Trichlorofluoromethane	4.02	101	1260266	81.79114 ppb		93
10) Acrolein	4.52	56	31344	180.81966 ppb		93
11) Acetone	4.63	43	28720	105.04752 ppb	#	89
12) Freon-113	4.79	101	1086722	115.79189 ppb		94
13) 1,1-DCE	4.94	96	1095028	102.12935 ppb		88
14) t-Butanol	5.08	59	10920	166.56114 ppb	#	92
15) Methyl Acetate	5.42	43	452002	95.99607 ppb		99
16) Iodomethane	5.33	142	1569855	99.81556 ppb		92
17) Acrylonitrile	5.74	53	143014	101.32407 ppb		98
18) Methylene chloride	5.64	84	1076562	94.32977 ppb		86
19) Carbon disulfide	5.66	76	1064960	98.69478 ppb		99
20) Methyl t-butyl ether (MtBE	6.04	73	1568219	96.37254 ppb		96
21) Trans-1,2-DCE	6.21	96	1273606	98.48393 ppb		91
22) Diisopropyl Ether	6.87	45	3479934	97.77033 ppb		91
23) 1,1-DCA	6.85	63	2125942	96.57543 ppb		98
24) Vinyl Acetate	6.87	43	1738244	103.64022 ppb		98
25) Ethyl tert Butyl Ether	7.52	59	2265834	99.31632 ppb		98
26) MEK (2-Butanone)	7.50	43	358568	103.18625 ppb	#	89
27) Cis-1,2-DCE	7.81	96	1291485	98.85124 ppb		99
28) 2,2-Dichloropropane	7.80	77	1508106	100.67801 ppb		96
29) Chloroform	8.08	83	1909863	91.55106 ppb		99
30) Bromochloromethane	8.28	128	380470	96.30250 ppb		87
32) 1,1,1-TCA	8.78	97	1675650	101.87678 ppb		97
33) Cyclohexane	8.90	56	1894124	107.02013 ppb		98
34) 1,1-Dichloropropene	9.04	75	1626524	103.86705 ppb		96
35) 2,2,4-Trimethylpentane	9.14	57	3240138	107.86517 ppb		100
37) Carbon Tetrachloride	9.20	117	1403623	109.91783 ppb		97
38) Tert Amyl Methyl Ether	9.33	73	1944228	96.85053 ppb		99
39) 1,2-DCA	9.31	62	871969	90.97699 ppb		97
40) Benzene	9.40	78	5137312	98.07871 ppb		99
41) TCE	10.43	95	1185959	95.12058 ppb		97
42) 2-Pentanone	10.19	43	549710	182.82766 ppb		99

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S09W.D Vial: 9
Acq On : 29 Feb 12 21:58 Operator: DG,SV,RS
Sample : 100ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,2-Dichloropropane	10.65	63	1073291	96.68487	ppb	#	95
44)	Bromodichloromethane	10.99	83	1254773	96.38715	ppb		96
45)	Methyl Cyclohexane	10.68	83	1686743	105.56153	ppb		94
46)	Dibromomethane	11.03	93	469972	99.37071	ppb		91
47)	2-Chloroethyl vinyl ether	11.74	106	10983	106.42079	ppb	#	1
48)	MIBK (methyl isobutyl ket	11.62	43	392403	95.82824	ppb	#	97
49)	1-Bromo-2-chloroethane	11.73	63	960235	94.87933	ppb		99
50)	Cis-1,3-Dichloropropene	11.90	75	1553212	95.24093	ppb		99
51)	Toluene	12.48	91	4964624	105.72177	ppb		94
52)	Trans-1,3-Dichloropropene	12.70	75	1094253	104.18903	ppb		99
53)	1,1,2-TCA	12.94	83	507586	91.33507	ppb		92
54)	2-Hexanone	13.04	43	248162	110.16143	ppb	#	82
57)	1,2-EDB	14.09	107	579131	97.35348	ppb		95
58)	Tetrachloroethene	13.59	166	1255193	100.63905	ppb		94
59)	1-Chlorohexane	14.58	91	1678162	109.34831	ppb		98
60)	1,1,1,2-Tetrachloroethane	14.95	131	981477	104.50532	ppb		94
61)	m&p-Xylene	15.16	106	3947642	196.54246	ppb		82
62)	o-Xylene	15.87	106	1892865	97.57813	ppb		81
63)	Styrene	15.90	104	3160624	101.89401	ppb		99
65)	1,3-Dichloropropane	13.36	76	995239	98.36076	ppb		94
66)	Dibromochloromethane	13.75	129	796159	103.30188	ppb		97
67)	Chlorobenzene	14.87	112	2861570	100.46484	ppb		98
68)	Ethylbenzene	15.01	91	5426950	108.68523	ppb		98
69)	Bromoform	16.32	173	438910	104.62465	ppb		99
71)	Isopropylbenzene	16.50	105	4895515	112.20908	ppb		93
72)	1,1,2,2-Tetrachloroethane	16.68	85	350280	98.94843	ppb		90
73)	1,2,3-Trichloropropane	16.92	110	123070	96.44422	ppb		93
74)	t-1,4-Dichloro-2-Butene	17.03	53	45192	98.26230	ppb		91
75)	Bromobenzene	17.15	156	1143029	97.90178	ppb		93
76)	n-Propylbenzene	17.20	91	6072908	110.29845	ppb		93
77)	4-Ethyltoluene	17.40	105	3304861	107.54542	ppb		97
78)	2-Chlorotoluene	17.44	91	3978140	107.33587	ppb		91
79)	1,3,5-Trimethylbenzene	17.48	105	3883370	105.71673	ppb		87
80)	4-Chlorotoluene	17.52	91	3297419	104.56406	ppb		95
81)	Tert-Butylbenzene	18.09	119	4048075	104.76815	ppb		99
82)	1,2,4-Trimethylbenzene	18.14	105	3891440	107.91143	ppb		95
83)	Sec-Butylbenzene	18.47	105	5365374	106.79370	ppb		97
84)	p-Isopropyltoluene	18.71	119	4466475	110.03568	ppb		92
85)	Benzyl Chloride	19.09	91	391108	110.78434	ppb		97
86)	1,3-DCB	18.77	146	2214472	102.58945	ppb		96
87)	1,4-DCB	18.94	146	2120235	99.86233	ppb		97
88)	n-Butylbenzene	19.42	91	3838975	111.81386	ppb		92
89)	1,2-DCB	19.56	146	1809968	101.93179	ppb		96
90)	Hexachloroethane	20.24	117	1006779	108.03458	ppb		99
91)	1,2-Dibromo-3-chloropropan	20.87	157	99023	102.82278	ppb	#	75
92)	1,2,4-Trichlorobenzene	22.51	180	1111054	105.12449	ppb		98
93)	Hexachlorobutadiene	22.84	225	296640	107.70705	ppb		89
94)	Naphthalene	22.87	128	646016	107.28123	ppb		99
95)	1,2,3-Trichlorobenzene	23.30	180	943062	102.21905	ppb		94

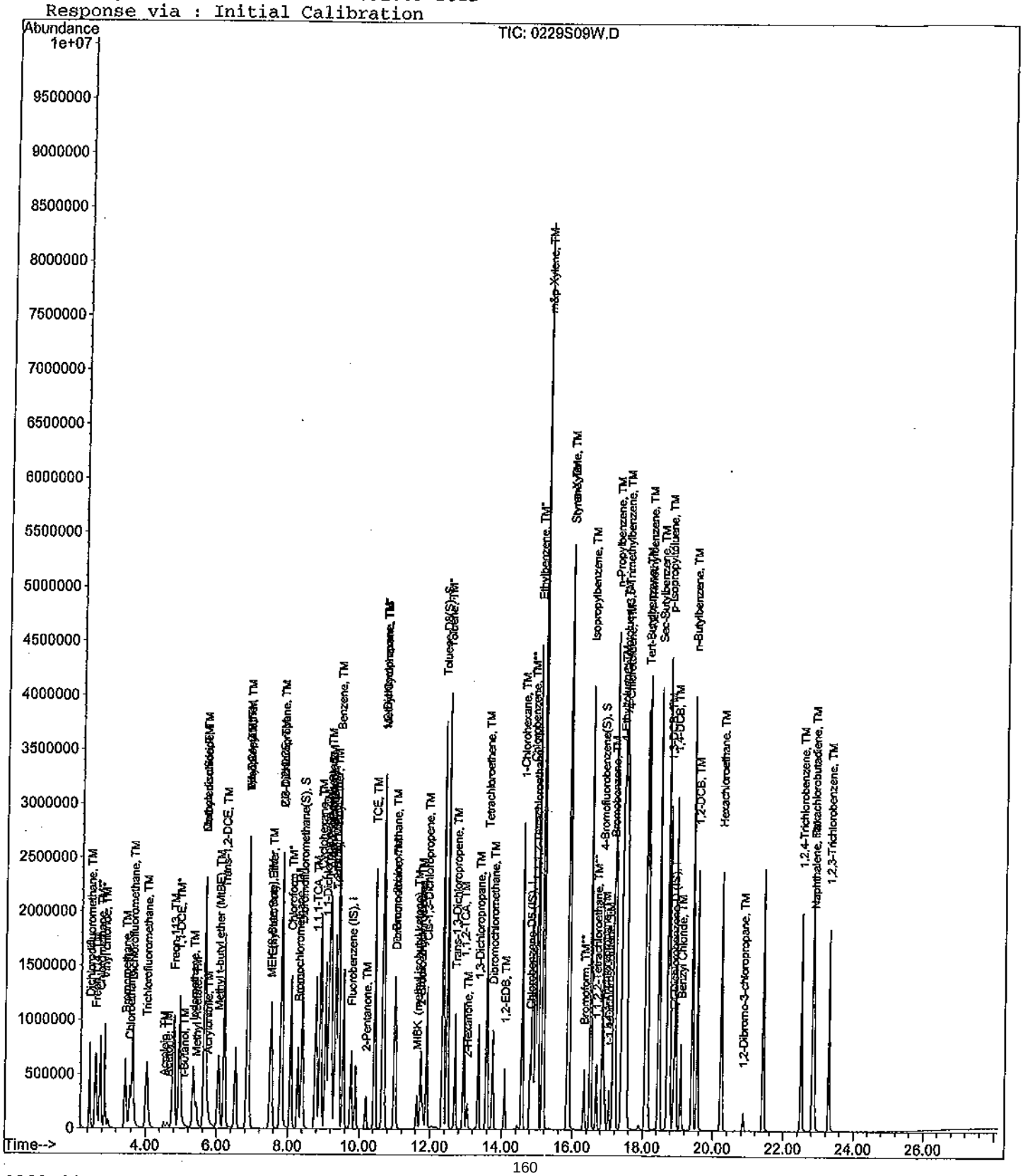
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S120229\0229S09W.D Vial: 9
Acq On : 29 Feb 12 21:58 Operator: DG,SV,RS
Sample : 100ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S10W.D Vial: 10
Acq On : 29 Feb 12 22:35 Operator: DG,SV,RS
Sample : 200ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.77	96	268096	25.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	14.80	117	192960	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	18.89	152	129096	25.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	8.40	111	1025796	127.22893 ppb		0.00
Spiked Amount 20.857			Recovery = 609.999%			
36) 1,2-DCA-D4(S)	9.17	65	703941	126.43788 ppb		0.00
Spiked Amount 20.981			Recovery = 602.631%			
56) Toluene-D8(S)	12.35	98	3664086	133.45818 ppb		0.00
Spiked Amount 21.584			Recovery = 618.327%			
64) 4-Bromofluorobenzene(S)	16.84	95	1113379	122.80933 ppb		0.00
Spiked Amount 21.472			Recovery = 571.950%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.45	85	1010880	260.86819 ppb		97
3) Freon 114	2.60	85	1465644	202.14311 ppb		98
4) Chloromethane	2.74	50	1120151	205.43559 ppb		96
5) Vinyl chloride	2.86	62	1172480	273.19526 ppb		98
6) Bromomethane	3.43	94	498048	217.79699 ppb		97
7) Chloroethane	3.56	64	1389505	216.74304 ppb		89
8) Dichlorofluoromethane	3.64	67	3815925	219.79921 ppb		97
9) Trichlorofluoromethane	4.01	101	2483816	221.50008 ppb		93
10) Acrolein	4.52	56	25816	204.64004 ppb		98
11) Acetone	4.63	43	43832	220.29420 ppb	#	85
12) Freon-113	4.78	101	1601893	234.53281 ppb		95
13) 1,1-DCE	4.94	96	1732423	222.01877 ppb		93
14) t-Butanol	5.13	59	7333	153.68913 ppb	#	87
15) Methyl Acetate	5.42	43	700434	202.58621 ppb		98
16) Iodomethane	5.33	142	2311938	200.33906 ppb		97
17) Acrylonitrile	5.74	53	226152	220.16330 ppb		98
18) Methylene chloride	5.64	84	1650998	198.77725 ppb		88
19) Carbon disulfide	5.65	76	1690112	215.22206 ppb		99
20) Methyl t-butyl ether (MtBE	6.04	73	2320115	195.91448 ppb		96
21) Trans-1,2-DCE	6.20	96	1972007	209.53142 ppb		93
22) Diisopropyl Ether	6.87	45	5235864	202.13191 ppb		93
23) 1,1-DCA	6.84	63	3332674	208.02643 ppb		100
24) Vinyl Acetate	6.87	43	2574683	210.93652 ppb		99
25) Ethyl tert Butyl Ether	7.53	59	3352243	201.90099 ppb		100
26) MEK (2-Butanone)	7.50	43	495246	195.83112 ppb		94
27) Cis-1,2-DCE	7.81	96	2035947	214.12613 ppb		96
28) 2,2-Dichloropropane	7.80	77	2129189	195.31130 ppb		98
29) Chloroform	8.08	83	2954742	194.62166 ppb		99
30) Bromochloromethane	8.28	128	580107	201.72775 ppb		83
32) 1,1,1-TCA	8.78	97	2601261	217.31327 ppb		94
33) Cyclohexane	8.90	56	3056565	237.30186 ppb		97
34) 1,1-Dichloropropene	9.05	75	2504823	219.78841 ppb		98
35) 2,2,4-Trimethylpentane	9.14	57	5108774	233.69253 ppb		96
37) Carbon Tetrachloride	9.20	117	2175028	234.04154 ppb		96
38) Tert Amyl Methyl Ether	9.33	73	2954773	202.25039 ppb		96
39) 1,2-DCA	9.32	62	1377680	197.51009 ppb		98
40) Benzene	9.40	78	7807085	204.80386 ppb		97
41) TCE	10.43	95	1784989	196.72103 ppb		97
42) 2-Pentanone	10.19	43	458040	209.32548 ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S10W.D Vial: 10
Acq On : 29 Feb 12 22:35 Operator: DG,SV,RS
Sample : 200ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	10.65	63	1667380	206.38876 ppb	#	97
44)	Bromodichloromethane	10.99	83	1963507	207.25110 ppb		95
45)	Methyl Cyclohexane	10.67	83	2710380	233.07591 ppb		99
46)	Dibromomethane	11.02	93	652799	189.66024 ppb		98
47)	2-Chloroethyl vinyl ether	11.73	106	14725	196.79171 ppb	#	1
48)	MIBK (methyl isobutyl ket	11.64	43	554365	186.02333 ppb	#	97
49)	1-Bromo-2-chloroethane	11.73	63	1474216	200.15463 ppb		97
50)	Cis-1,3-Dichloropropene	11.90	75	2366114	199.36044 ppb		97
51)	Toluene	12.48	91	7434771	217.54850 ppb		99
52)	Trans-1,3-Dichloropropene	12.70	75	1651398	216.05605 ppb		99
53)	1,1,2-TCA	12.94	83	769316	190.21428 ppb		94
54)	2-Hexanone	13.04	43	353349	215.53042 ppb	#	76
57)	1,2-EDB	14.09	107	903311	200.80332 ppb		92
58)	Tetrachloroethene	13.59	166	1971533	209.03498 ppb		94
59)	1-Chlorohexane	14.58	91	2607021	224.63718 ppb		97
60)	1,1,1,2-Tetrachloroethane	14.95	131	1507276	212.23157 ppb		93
61)	m&p-Xylene	15.16	106	6350617	418.11281 ppb		92
62)	o-Xylene	15.87	106	3034638	206.87056 ppb		87
63)	Styrene	15.90	104	4954059	211.20097 ppb		96
65)	1,3-Dichloropropane	13.36	76	1528859	199.81167 ppb		93
66)	Dibromochloromethane	13.76	129	1196886	205.36202 ppb		96
67)	Chlorobenzene	14.87	112	4516724	209.69699 ppb		98
68)	Ethylbenzene	15.01	91	8205367	217.30596 ppb		99
69)	Bromoform	16.33	173	658031	207.42631 ppb		99
71)	Isopropylbenzene	16.51	105	7658739	173.76031 ppb		96
72)	1,1,2,2-Tetrachloroethane	16.68	85	539885	150.95882 ppb		92
73)	1,2,3-Trichloropropane	16.92	110	229214	177.79881 ppb		90
74)	t-1,4-Dichloro-2-Butene	17.04	53	93840	201.10496 ppb		94
75)	Bromobenzene	17.15	156	2298589	194.87599 ppb		94
76)	n-Propylbenzene	17.20	91	12430314	223.46961 ppb		93
77)	4-Ethyltoluene	17.40	105	6725419	216.63157 ppb		94
78)	2-Chlorotoluene	17.44	91	7872996	210.26575 ppb		91
79)	1,3,5-Trimethylbenzene	17.49	105	7926856	213.59919 ppb		88
80)	4-Chlorotoluene	17.53	91	6606488	207.36843 ppb		94
81)	Tert-Butylbenzene	18.08	119	8156353	208.94907 ppb		97
82)	1,2,4-Trimethylbenzene	18.14	105	7915886	217.28029 ppb		96
83)	Sec-Butylbenzene	18.47	105	11181439	220.29622 ppb		94
84)	p-Isopropyltoluene	18.71	119	9182411	223.91803 ppb		92
85)	Benzyl Chloride	19.10	91	789565	221.37738 ppb		98
86)	1,3-DCB	18.77	146	4427143	203.01109 ppb		96
87)	1,4-DCB	18.94	146	4359122	203.22654 ppb		98
88)	n-Butylbenzene	19.42	91	7969993	229.77458 ppb		92
89)	1,2-DCB	19.56	146	3716824	207.19271 ppb		97
90)	Hexachloroethane	20.24	117	2050158	217.76079 ppb		100
91)	1,2-Dibromo-3-chloropropan	20.87	157	197955	203.46205 ppb	#	77
92)	1,2,4-Trichlorobenzene	22.50	180	2263111	211.95238 ppb		97
93)	Hexachlorobutadiene	22.83	225	618112	222.14947 ppb		91
94)	Naphthalene	22.87	128	1388032	228.16216 ppb		100
95)	1,2,3-Trichlorobenzene	23.30	180	1915067	205.46566 ppb		95

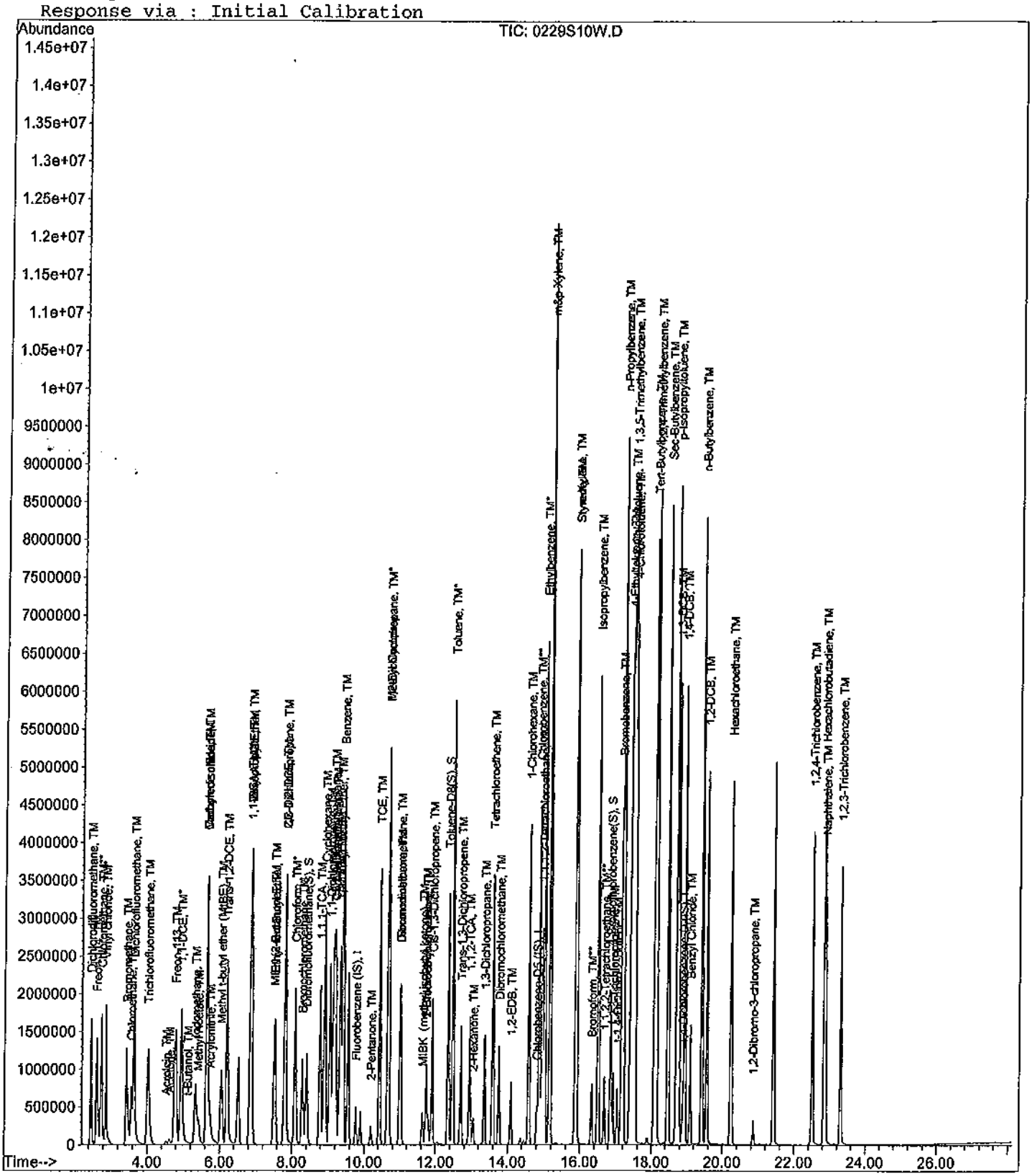
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S120229\0229S10W.D Vial: 10
Acq On : 29 Feb 12 22:35 Operator: DG,SV,RS
Sample : 200ug/L Std@2-29-12SV Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:26 2012 Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S16W.D Vial: 16
Acq On : 1 Mar 12 2:47 Operator: DG,SV,RS
Sample : 120229A LCS-1WS (SS) Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 9:03 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Wed Mar 07 09:02:48 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.76	96	275904	25.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	14.80	117	197504	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	18.89	152	102376	25.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	8.39	111	167766	20.21907 ppb		0.00
Spiked Amount 20.857			Recovery = 96.940%			
36) 1,2-DCA-D4(S)	9.16	65	114407	19.96760 ppb		-0.01
Spiked Amount 20.981			Recovery = 95.172%			
56) Toluene-D8(S)	12.35	98	599446	21.33148 ppb		0.00
Spiked Amount 21.584			Recovery = 98.829%			
64) 4-Bromofluorobenzene(S)	16.84	95	192488	20.74356 ppb		0.00
Spiked Amount 21.472			Recovery = 96.610%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.45	85	45256	11.34828 ppb		99
3) Freon 114	2.61	85	78293	11.26474 ppb		89
4) Chloromethane	2.74	50	47912	8.53839 ppb		92
5) Vinyl chloride	2.88	62	38840	8.79385 ppb		96
6) Bromomethane	3.45	94	23464	10.40370 ppb		95
7) Chloroethane	3.57	64	70085	10.62288 ppb		94
8) Dichlorofluoromethane	3.65	67	194848	10.90573 ppb		97
9) Trichlorofluoromethane	4.03	101	121979	10.56992 ppb		97
10) Acrolein	4.51	56	15862	122.17770 ppb	#	82
11) Acetone	4.62	43	2454	11.98447 ppb		91
12) Freon-113	4.78	101	80212	11.41148 ppb		92
13) 1,1-DCE	4.95	96	89215	11.10979 ppb		93
14) t-Butanol	5.06	59	5919	120.54304 ppb		97
15) Methyl Acetate	5.42	43	27257	9.20976 ppb		96
16) Iodomethane	5.34	142	103925	10.29110 ppb		96
17) Acrylonitrile	5.75	53	11212	10.60620 ppb		96
18) Methylene chloride	5.63	84	83897	9.81519 ppb		94
19) Carbon disulfide	5.66	76	87216	10.79195 ppb		99
20) Methyl t-butyl ether (MtBE	6.04	73	120545	9.89096 ppb		91
21) Trans-1,2-DCE	6.20	96	104590	10.79849 ppb		94
22) Diisopropyl Ether	6.86	45	270648	10.15275 ppb		97
23) 1,1-DCA	6.84	63	168534	10.22223 ppb		98
24) Vinyl Acetate	6.86	43	122154	9.72452 ppb	#	97
25) Ethyl tert Butyl Ether	7.52	59	172546	10.09811 ppb		98
26) MEK (2-Butanone)	7.50	43	24541	9.42943 ppb		96
27) Cis-1,2-DCE	7.82	96	102655	10.49097 ppb		83
28) 2,2-Dichloropropane	7.79	77	110972	9.89143 ppb		99
29) Chloroform	8.08	83	168424	10.77973 ppb		97
30) Bromochloromethane	8.28	128	31512	10.67609 ppb		96
32) 1,1,1-TCA	8.78	97	127491	10.34938 ppb		92
33) Cyclohexane	8.90	56	148139	11.17556 ppb		97
34) 1,1-Dichloropropene	9.04	75	127999	10.91357 ppb		97
35) 2,2,4-Trimethylpentane	9.14	57	264016	11.73521 ppb		98
37) Carbon Tetrachloride	9.20	117	107977	11.28994 ppb		99
38) Tert Amyl Methyl Ether	9.33	73	146957	9.77435 ppb	#	96
39) 1,2-DCA	9.32	62	68391	9.52735 ppb		99
40) Benzene	9.40	78	404637	10.31448 ppb		98
41) TCE	10.42	95	95731	10.25180 ppb		94
42) 2-Pentanone	10.18	43	267998	119.00976 ppb		96

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0229S16W.D Vial: 16
Acq On : 1 Mar 12 2:47 Operator: DG,SV,RS
Sample : 120229A LCS-1WS (SS) Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 9:03 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Wed Mar 07 09:02:48 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	10.66	63	86545	10.40940 ppb	#	97
44)	Bromodichloromethane	10.99	83	97134	9.96249 ppb		93
45)	Methyl Cyclohexane	10.67	83	132278	11.05318 ppb		95
46)	Dibromomethane	11.01	93	36654	10.34786 ppb		93
47)	2-Chloroethyl vinyl ether	11.72	106	794	9.47881 ppb		63
48)	MIBK (methyl isobutyl ket	11.63	43	28707	9.36034 ppb	#	90
49)	1-Bromo-2-chloroethane	11.73	63	74673	9.85146 ppb		96
50)	Cis-1,3-Dichloropropene	11.90	75	120017	9.82604 ppb		100
51)	Toluene	12.47	91	366622	10.42412 ppb		96
52)	Trans-1,3-Dichloropropene	12.70	75	76933	9.78047 ppb		97
53)	1,1,2-TCA	12.94	83	39388	9.46313 ppb		96
54)	2-Hexanone	13.04	43	17236	10.21583 ppb	#	94
57)	1,2-EDB	14.08	107	47236	10.25884 ppb		98
58)	Tetrachloroethene	13.58	166	103418	10.71279 ppb		94
59)	1-Chlorohexane	14.57	91	134836	11.35101 ppb		96
60)	1,1,1,2-Tetrachloroethane	14.94	131	77146	10.61261 ppb		87
61)	m&p-Xylene	15.15	106	328979	21.16105 ppb		97
62)	o-Xylene	15.86	106	159645	10.63258 ppb		93
63)	Styrene	15.89	104	251763	10.48620 ppb		94
65)	1,3-Dichloropropane	13.35	76	80575	10.28834 ppb		98
66)	Dibromochloromethane	13.75	129	62679	10.50705 ppb		99
67)	Chlorobenzene	14.86	112	235192	10.66799 ppb		98
68)	Ethylbenzene	15.01	91	407724	10.54949 ppb		95
69)	Bromoform	16.33	173	34762	10.70566 ppb		97
71)	Isopropylbenzene	16.51	105	371612	10.63158 ppb		98
72)	1,1,2,2-Tetrachloroethane	16.67	85	27880	9.83025 ppb		92
73)	1,2,3-Trichloropropane	16.91	110	10236	10.01227 ppb		92
74)	t-1,4-Dichloro-2-Butene	17.04	53	3133	9.24763 ppb	#	68
75)	Bromobenzene	17.15	156	94255	10.07665 ppb		93
76)	n-Propylbenzene	17.19	91	456278	10.34381 ppb		99
77)	4-Ethyltoluene	17.39	105	252323	10.24882 ppb		97
78)	2-Chlorotoluene	17.43	91	299768	10.09551 ppb		96
79)	1,3,5-Trimethylbenzene	17.48	105	300786	10.22047 ppb		98
80)	4-Chlorotoluene	17.52	91	254734	10.08262 ppb		99
81)	Tert-Butylbenzene	18.09	119	321645	10.39049 ppb		94
82)	1,2,4-Trimethylbenzene	18.13	105	295298	10.22106 ppb		97
83)	Sec-Butylbenzene	18.46	105	418510	10.39752 ppb		99
84)	p-Isopropyltoluene	18.70	119	331648	10.19822 ppb		95
85)	Benzyl Chloride	19.09	91	23136	8.17990 ppb		97
86)	1,3-DCB	18.77	146	179364	10.37161 ppb		98
87)	1,4-DCB	18.94	146	170714	10.03610 ppb		100
88)	n-Butylbenzene	19.41	91	282268	10.26172 ppb		97
89)	1,2-DCB	19.56	146	151632	10.65879 ppb		97
90)	Hexachloroethane	20.23	117	76426	10.23642 ppb		95
91)	1,2-Dibromo-3-chloropropan	20.86	157	7250	9.39657 ppb	#	67
92)	1,2,4-Trichlorobenzene	22.50	180	89352	10.55240 ppb		96
93)	Hexachlorobutadiene	22.83	225	24488	11.09803 ppb		90
94)	Naphthalene	22.87	128	43992	8.37717 ppb		94
95)	1,2,3-Trichlorobenzene	23.29	180	75037	10.15185 ppb		94

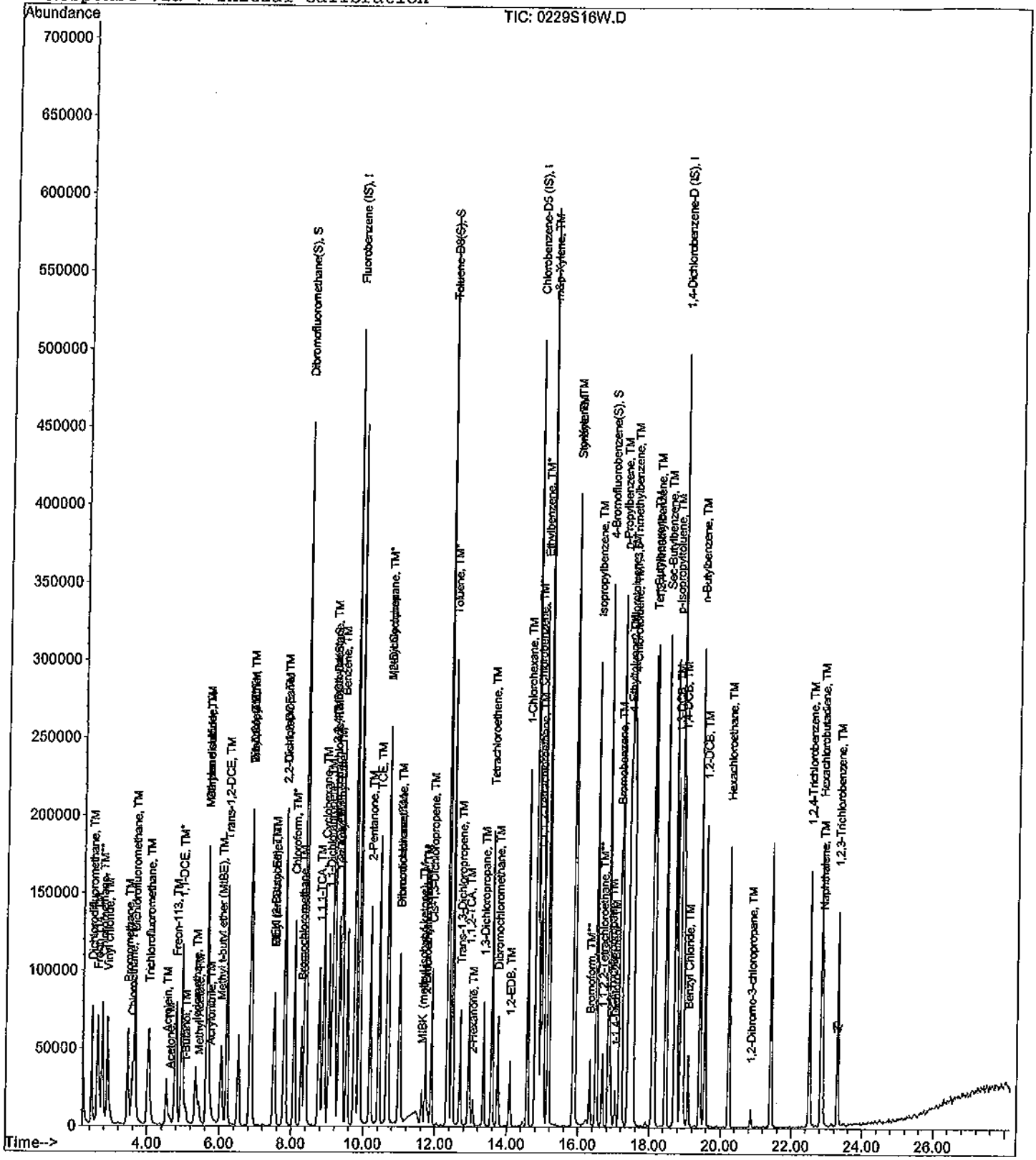
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S120229\0229S16W.D Vial: 16
Acq On : 1 Mar 12 2:47 Operator: DG,SV,RS
Sample : 120229A LCS-1WS (SS) Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 9:03 2012 Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Wed Mar 07 09:02:48 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0302S02W.D Vial: 2
Acq On : 2 Mar 12 10:30 Operator: DG,SV,RS
Sample : 10ug/L STD 3-02-12 Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 9:04 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Wed Mar 07 09:02:48 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.75	96	271424	25.00000 ppb		-0.01
55) Chlorobenzene-D5 (IS)	14.78	117	196992	25.00000 ppb		-0.02
70) 1,4-Dichlorobenzene-D (IS)	18.87	152	100368	25.00000 ppb		-0.01
System Monitoring Compounds						
31) Dibromofluoromethane(S)	8.37	111	164943	20.20695 ppb		-0.02
Spiked Amount 20.857			Recovery = 96.882%			
36) 1,2-DCA-D4(S)	9.15	65	112531	19.96435 ppb		-0.02
Spiked Amount 20.981			Recovery = 95.153%			
56) Toluene-D8(S)	12.34	98	596699	21.28892 ppb		-0.01
Spiked Amount 21.584			Recovery = 98.634%			
64) 4-Bromofluorobenzene(S)	16.83	95	186942	20.19826 ppb		-0.01
Spiked Amount 21.472			Recovery = 94.067%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.45	85	40368	10.28966 ppb		89
3) Freon 114	2.61	85	74428	10.91283 ppb		86
4) Chloromethane	2.73	50	46469	8.41791 ppb		99
5) Vinyl chloride	2.88	62	36128	8.31484 ppb		99
6) Bromomethane	3.43	94	23200	10.45413 ppb		94
7) Chloroethane	3.56	64	70283	10.82873 ppb		85
8) Dichlorofluoromethane	3.63	67	204003	11.60660 ppb		99
9) Trichlorofluoromethane	4.01	101	116095	10.22610 ppb		95
10) Acrolein	4.51	56	17312	135.54734 ppb		97
11) Acetone	4.62	43	2124	10.54407 ppb		100
12) Freon-113	4.76	101	82046	11.86505 ppb		95
13) 1,1-DCE	4.94	96	90748	11.48722 ppb		87
14) t-Butanol	5.04	59	6656	137.78973 ppb	#	92
15) Methyl Acetate	5.40	43	29221	9.89182 ppb		97
16) Iodomethane	5.32	142	99638	10.07040 ppb		94
17) Acrylonitrile	5.72	53	11593	11.14763 ppb		75
18) Methylene chloride	5.63	84	93014	11.06141 ppb		85
19) Carbon disulfide	5.64	76	86536	10.88454 ppb		96
20) Methyl t-butyl ether (MtBE	6.03	73	127894	10.66717 ppb	#	92
21) Trans-1,2-DCE	6.19	96	106567	11.18422 ppb		96
22) Diisopropyl Ether	6.85	45	288654	11.00693 ppb	#	90
23) 1,1-DCA	6.82	63	174921	10.78474 ppb		99
24) Vinyl Acetate	6.85	43	145177	11.74811 ppb		99
25) Ethyl tert Butyl Ether	7.50	59	186513	11.09569 ppb		97
26) MEK (2-Butanone)	7.48	43	26982	10.53846 ppb	#	83
27) Cis-1,2-DCE	7.79	96	106515	11.06512 ppb		98
28) 2,2-Dichloropropane	7.78	77	132992	12.04983 ppb		99
29) Chloroform	8.06	83	157254	10.23094 ppb		98
30) Bromochloromethane	8.27	128	33968	11.69527 ppb		90
32) 1,1,1-TCA	8.76	97	132690	10.94921 ppb		92
33) Cyclohexane	8.88	56	156292	11.98523 ppb		99
34) 1,1-Dichloropropene	9.03	75	134177	11.62915 ppb		99
35) 2,2,4-Trimethylpentane	9.13	57	259057	11.70484 ppb		95
37) Carbon Tetrachloride	9.18	117	108487	11.53049 ppb		99
38) Tert Amyl Methyl Ether	9.31	73	161600	10.92569 ppb		99
39) 1,2-DCA	9.30	62	74414	10.53750 ppb		99
40) Benzene	9.38	78	421735	10.92776 ppb		97
41) TCE	10.41	95	95620	10.40893 ppb		96
42) 2-Pentanone	10.16	43	283855	128.13192 ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0302S02W.D Vial: 2
Acq On : 2 Mar 12 10:30 Operator: DG,SV,RS
Sample : 10ug/L STD 3-02-12 Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 9:04 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Wed Mar 07 09:02:48 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43) 1,2-Dichloropropane	10.63	63	91035	11.13017 ppb	#	95
44) Bromodichloromethane	10.97	83	106411	11.09412 ppb		94
45) Methyl Cyclohexane	10.66	83	134888	11.45731 ppb		95
46) Dibromomethane	11.01	93	38457	11.03607 ppb		89
47) 2-Chloroethyl vinyl ether	11.70	106	824	10.04754 ppb		96
48) MIBK (methyl isobutyl ket	11.62	43	29511	9.78132 ppb	#	84
49) 1-Bromo-2-chloroethane	11.71	63	80627	10.81252 ppb		94
50) Cis-1,3-Dichloropropene	11.88	75	126367	10.51669 ppb		95
51) Toluene	12.46	91	382115	11.04396 ppb		99
52) Trans-1,3-Dichloropropene	12.68	75	89051	11.50789 ppb		99
53) 1,1,2-TCA	12.92	83	44783	10.93688 ppb		93
54) 2-Hexanone	13.03	43	17026	10.25792 ppb	#	82
57) 1,2-EDB	14.07	107	48071	10.46732 ppb		93
58) Tetrachloroethene	13.57	166	103884	10.78903 ppb		92
59) 1-Chlorohexane	14.56	91	129975	10.97023 ppb		98
60) 1,1,1,2-Tetrachloroethane	14.93	131	79491	10.96362 ppb		94
61) m&p-Xylene	15.14	106	354185	22.84159 ppb		97
62) o-Xylene	15.85	106	166771	11.13605 ppb		94
63) Styrene	15.88	104	261917	10.93748 ppb		96
65) 1,3-Dichloropropane	13.34	76	85148	10.90050 ppb		87
66) Dibromochloromethane	13.73	129	65256	10.96747 ppb		96
67) Chlorobenzene	14.85	112	242219	11.01528 ppb		98
68) Ethylbenzene	14.99	91	413319	10.72205 ppb		94
69) Bromoform	16.31	173	35777	11.04689 ppb		97
71) Isopropylbenzene	16.49	105	385765	11.25728 ppb		100
72) 1,1,2,2-Tetrachloroethane	16.66	85	31954	11.49212 ppb		86
73) 1,2,3-Trichloropropane	16.90	110	10311	10.28741 ppb		96
74) t-1,4-Dichloro-2-Butene	17.02	53	4588	13.41073 ppb		89
75) Bromobenzene	17.14	156	98692	10.76209 ppb		95
76) n-Propylbenzene	17.18	91	464849	10.74894 ppb		98
77) 4-Ethyltoluene	17.38	105	260361	10.78688 ppb		96
78) 2-Chlorotoluene	17.42	91	309858	10.64409 ppb		98
79) 1,3,5-Trimethylbenzene	17.46	105	300655	10.42040 ppb		95
80) 4-Chlorotoluene	17.51	91	264564	10.68121 ppb		99
81) Tert-Butylbenzene	18.07	119	336931	11.10204 ppb		95
82) 1,2,4-Trimethylbenzene	18.12	105	307162	10.84441 ppb		92
83) Sec-Butylbenzene	18.45	105	430821	10.91751 ppb		100
84) p-Isopropyltoluene	18.69	119	351067	11.01133 ppb		98
85) Benzyl Chloride	19.08	91	32424	11.69309 ppb		98
86) 1,3-DCB	18.76	146	188902	11.14167 ppb		98
87) 1,4-DCB	18.93	146	182914	10.96847 ppb		99
88) n-Butylbenzene	19.40	91	295955	10.97456 ppb		96
89) 1,2-DCB	19.55	146	150401	10.78377 ppb		97
90) Hexachloroethane	20.22	117	76446	10.44395 ppb		98
91) 1,2-Dibromo-3-chloropropan	20.86	157	8068	10.66597 ppb	#	88
92) 1,2,4-Trichlorobenzene	22.49	180	95610	11.51737 ppb		99
93) Hexachlorobutadiene	22.82	225	24712	11.42361 ppb		98
94) Naphthalene	22.86	128	49192	9.53173 ppb		99
95) 1,2,3-Trichlorobenzene	23.29	180	77085	10.63758 ppb		95

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

Quantitation Report

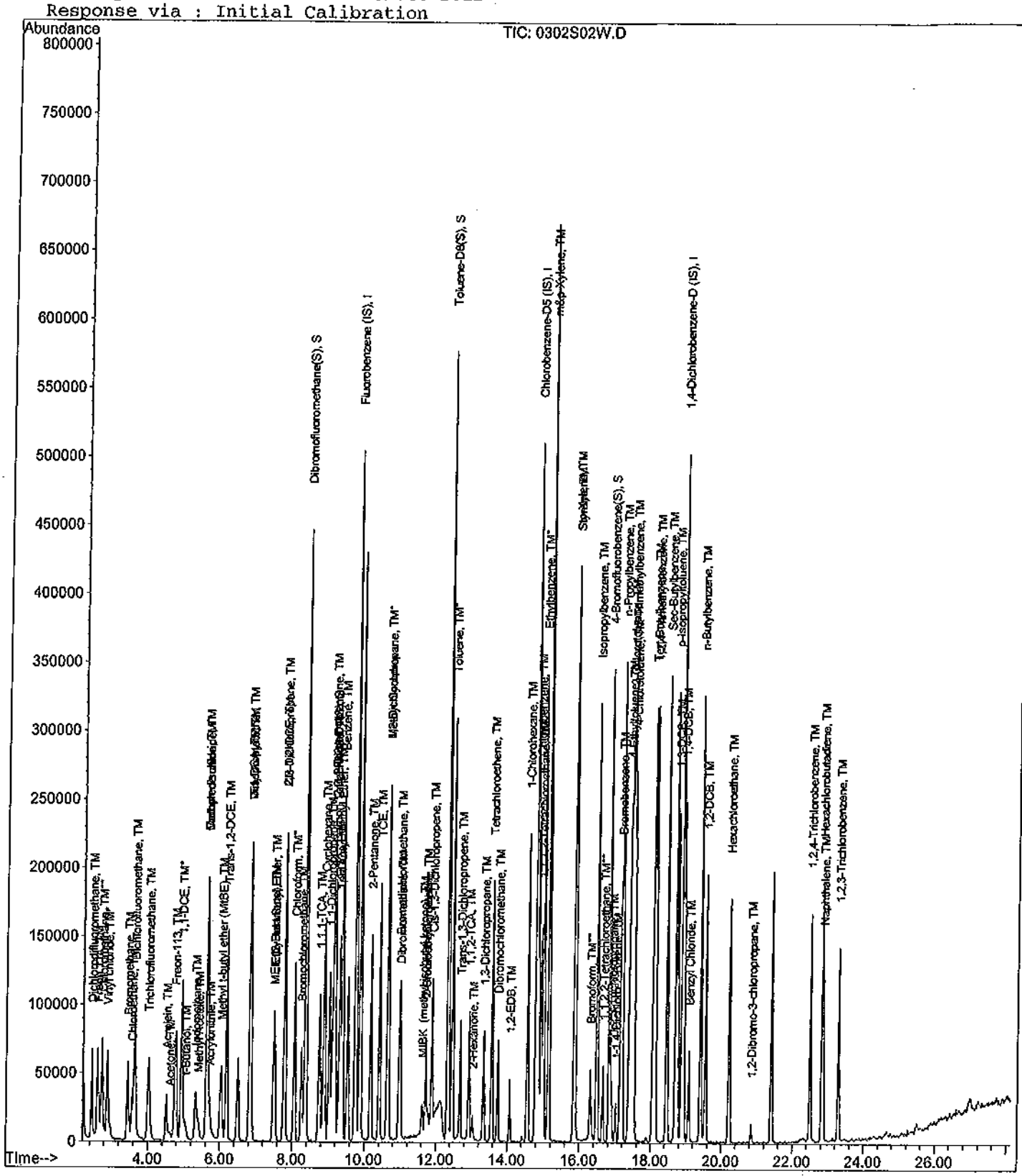
Data File : M:\SWEETPEA\DATA\S120229\0302S02W.D
Acq On : 2 Mar 12 10:30
Sample : 10ug/L STD 3-02-12
Misc : Water 10mL w/IS:02-17-12

Vial: 2
Operator: DG,SV,RS
Inst : Sweetpea
Multiplr: 1.00

Quant Time: Mar 7 9:04 2012

Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Wed Mar 07 09:02:48 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N04S.D
Acq On : 5 Mar 12 12:46
Sample : 2ug/kg Vol Std 03-05-12
Misc : Soil 5mL w/IS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.28	96	314752	50.00000 ppb		-0.01
51) Chlorobenzene-D5 (IS)	18.45	117	211520	50.00000 ppb		-0.01
67) 1,4-Dichlorobenzene-D (IS)	22.64	152	82688	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.86	111	15121	2.47923 ppb		-0.02
Spiked Amount 41.312			Recovery =	6.001%		
34) 1,2-DCA-D4(S)	12.66	65	18521	2.79961 ppb		-0.01
Spiked Amount 41.649			Recovery =	6.723%		
52) Toluene-D8(S)	15.92	98	51599	2.82237 ppb		-0.01
Spiked Amount 35.274			Recovery =	8.000%		
60) 4-Bromofluorobenzene(S)	20.53	95	21033	2.64446 ppb		0.00
Spiked Amount 35.584			Recovery =	7.430%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.53	85	8153	1.71399 ppb		98
3) Chloromethane	5.04	50	31728	0.24540 ppb		99
4) Vinyl chloride	5.28	62	3709	1.57883 ppb		100
5) Bromomethane	6.21	94	9982	4.73839 ppb	#	43
6) Chloroethane	6.42	64	8190	1.94704 ppb	#	74
7) Dichlorofluoromethane	6.50	67	25453	1.86845 ppb		83
8) Trichlorofluoromethane	7.05	101	8150	1.64299 ppb	#	64
9) Acrolein	7.67	56	43692	54.70002 ppb		97
10) Acetone	7.79	43	16913	-2.23211 ppb	#	79
11) Freon-113	7.96	101	5901	2.99706 ppb	#	84
12) 1,1-DCE	8.19	96	7630	1.78404 ppb	#	63
14) Methyl Acetate	8.67	43	35416	-4.81575 ppb		98
15) Iodomethane	8.66	142	4485	2.27269 ppb	#	94
16) Acrylonitrile	9.05	53	4963	2.33741 ppb	#	42
17) Methylene chloride	8.96	86	11356	2.13232 ppb		77
18) Carbon disulfide	9.08	76	43013	2.23013 ppb		96
19) Methyl t-butyl ether (MtBE	9.38	73	33281	2.15677 ppb		90
20) Trans-1,2-DCE	9.56	96	11884	2.13887 ppb		85
21) Diisopropyl Ether	10.21	45	56681	1.99358 ppb	#	89
22) 1,1-DCA	10.27	63	24633	2.02212 ppb		93
23) Vinyl Acetate	10.21	43	46830	2.07941 ppb		98
24) Ethyl tert Butyl Ether	10.90	59	45851	2.19055 ppb		89
25) MEK (2-Butanone)	10.89	43	17671	-0.19559 ppb		95
26) Cis-1,2-DCE	11.27	96	13241	2.11916 ppb		77
27) 2,2-Dichloropropane	11.27	77	16914	2.02865 ppb		88
28) Chloroform	11.55	83	22533	2.10359 ppb		92
29) Bromochloromethane	11.78	128	4188	1.92218 ppb	#	80
31) 1,1,1-TCA	12.29	97	13478	1.74745 ppb	#	85
32) Cyclohexane	12.45	56	14420	1.62765 ppb	#	88
33) 1,1-Dichloropropene	12.56	75	13511	1.82677 ppb	#	86
35) Carbon Tetrachloride	12.73	117	8370	1.42527 ppb	#	90
36) Tert Amyl Methyl Ether	12.78	73	37161	2.25497 ppb	#	86
37) 1,2-DCA	12.81	62	16540	2.06726 ppb		99
38) Benzene	12.95	78	49409	2.09733 ppb	#	89
39) TCE	13.97	95	10475	1.93877 ppb	#	69
40) 2-Pentanone	13.62	43	317981	56.14887 ppb		98
41) 1,2-Dichloropropane	14.19	63	14632	2.07845 ppb	#	92
42) Bromodichloromethane	14.54	83	16508	2.02210 ppb	#	96
43) Dibromomethane	14.61	93	8308	2.22274 ppb	#	80
44) Methyl Cyclohexane	14.26	83	9456	2.81790 ppb		99
45) 2-Chloroethyl vinyl ether	14.99	63	7119	2.06483 ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N04S.D Vial: 1
Acq On : 5 Mar 12 12:46 Operator: SV,DG,RS
Sample : 2ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

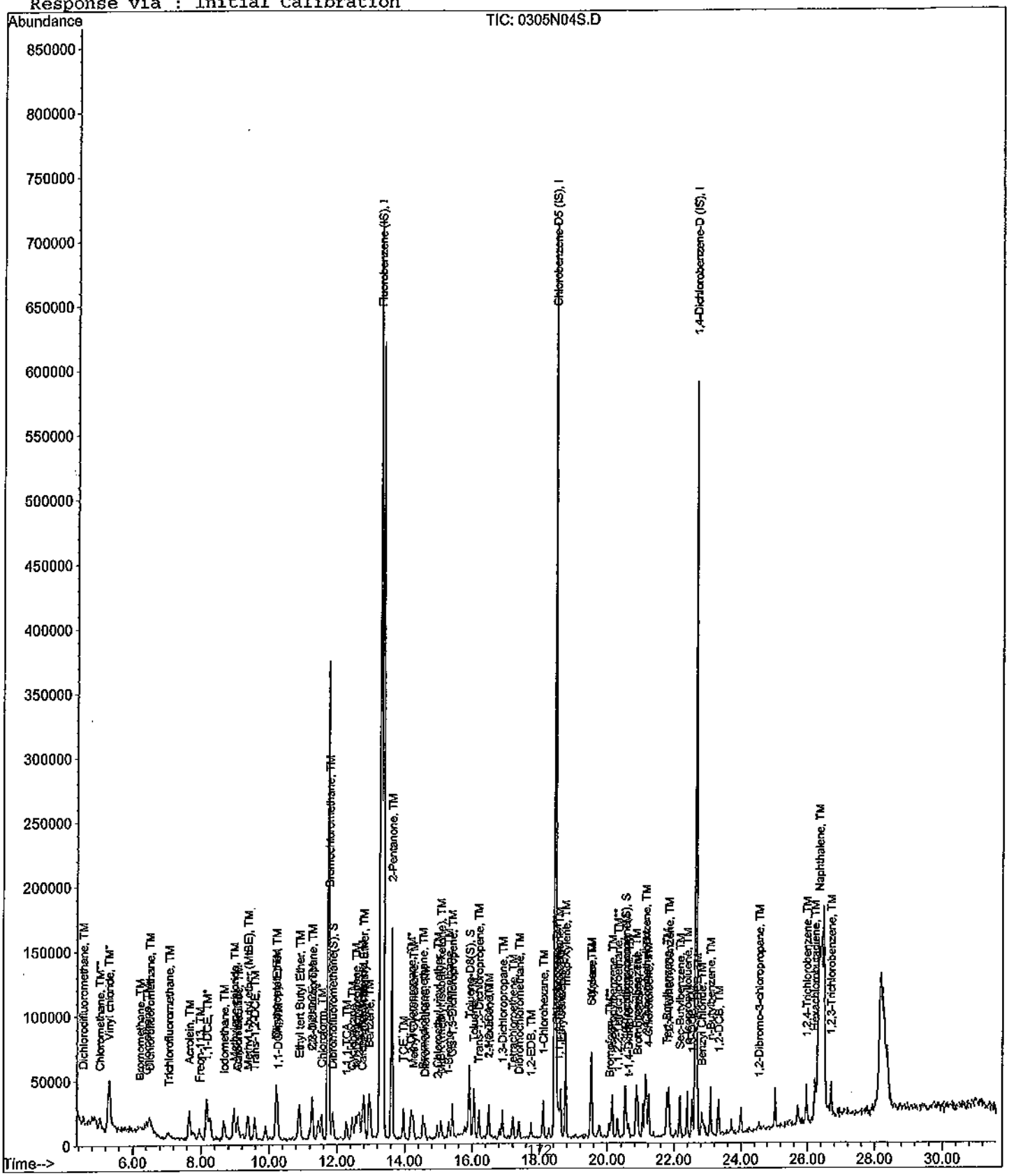
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.30	63	16738	2.06581 ppb		91
47)	Cis-1,3-Dichloropropene	15.41	75	23558	2.31551 ppb		90
48)	Toluene	16.05	91	49057	2.21279 ppb		96
49)	Trans-1,3-Dichloropropene	16.20	75	19039	2.23732 ppb		85
50)	1,1,2-TCA	16.49	83	8087	2.09845 ppb		83
53)	1,2-EDB	17.74	107	9598	2.02069 ppb	#	64
54)	Tetrachloroethene	17.19	129	5917	1.70107 ppb	#	83
55)	1-Chlorohexane	18.11	91	12168	1.70454 ppb		82
56)	1,1,1,2-Tetrachloroethane	18.57	131	10418	2.15350 ppb		80
57)	m&p-Xylene	18.77	106	32414	3.96995 ppb		88
58)	o-Xylene	19.51	106	16229	1.98212 ppb		86
59)	Styrene	19.52	78	18265	2.09728 ppb		96
61)	2-Hexanone	16.50	43	11078	2.19006 ppb		94
62)	1,3-Dichloropropane	16.91	76	16592	2.00325 ppb		90
63)	Dibromochloromethane	17.39	129	11536	2.06557 ppb		90
64)	Chlorobenzene	18.51	112	27602	2.07617 ppb		87
65)	Ethylbenzene	18.63	91	46468	1.91825 ppb		91
66)	Bromoform	20.08	173	7250	2.14145 ppb		98
68)	MIBK (methyl isobutyl keto	15.08	43	17791	2.61179 ppb	#	77
69)	Isopropylbenzene	20.14	105	37540	1.96747 ppb		100
70)	1,1,2,2-Tetrachloroethane	20.30	83	13253	2.35463 ppb		97
71)	1,2,3-Trichloropropane	20.56	110	3319	2.41057 ppb		78
72)	t-1,4-Dichloro-2-Butene	20.62	53	3623	2.08596 ppb		88
73)	Bromobenzene	20.90	156	11538	2.36985 ppb		92
74)	n-Propylbenzene	20.85	91	50712	1.99343 ppb		99
75)	2-Chlorotoluene	21.16	91	39630	2.27878 ppb		94
76)	1,3,5-Trimethylbenzene	21.12	105	32685	2.07282 ppb		94
77)	4-Chlorotoluene	21.23	91	34033	2.21974 ppb		90
78)	Tert-Butylbenzene	21.78	119	28227	1.91575 ppb	#	96
79)	1,2,4-Trimethylbenzene	21.84	105	34381	2.13626 ppb		96
80)	Sec-Butylbenzene	22.17	105	38592	1.88289 ppb		94
81)	p-Isopropyltoluene	22.40	119	31604	2.00202 ppb	#	84
82)	Benzyl Chloride	22.82	91	23183	2.54157 ppb		90
83)	1,3-DCB	22.55	146	17279	2.08101 ppb		97
84)	1,4-DCB	22.70	146	20796	2.47670 ppb		91
85)	n-Butylbenzene	23.10	91	33744	2.02331 ppb		95
86)	1,2-DCB	23.33	146	17470	2.29653 ppb		90
87)	1,2-Dibromo-3-chloropropan	24.53	155	1390	2.11117 ppb	#	67
88)	1,2,4-Trichlorobenzene	25.97	180	12089	2.43139 ppb		91
89)	Hexachlorobutadiene	26.23	225	5829	1.95980 ppb		79
90)	Naphthalene	26.33	128	25328	2.49636 ppb		100
91)	1,2,3-Trichlorobenzene	26.70	180	13183	1.96691 ppb	#	70

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N04S.D Vial: 1
Acq On : 5 Mar 12 12:46 Operator: SV,DG,RS
Sample : 2ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N05S.D Vial: 1
Acq On : 5 Mar 12 13:24 Operator: SV,DG,RS
Sample : 5ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.28	96	293888	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.46	117	193344	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	78008	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.88	111	31903	5.60214 ppb		0.00
Spiked Amount 41.312			Recovery = 13.560%			
34) 1,2-DCA-D4(S)	12.67	65	35610	5.76490 ppb		0.00
Spiked Amount 41.649			Recovery = 13.842%			
52) Toluene-D8(S)	15.92	98	96492	5.77411 ppb		-0.02
Spiked Amount 35.274			Recovery = 16.369%			
60) 4-Bromofluorobenzene(S)	20.52	95	41128	6.40193 ppb		0.00
Spiked Amount 35.584			Recovery = 17.991%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.55	85	34231	6.56582 ppb		92
3) Chloromethane	5.05	50	72298	4.94646 ppb		97
4) Vinyl chloride	5.29	62	14082	6.41990 ppb		90
5) Bromomethane	6.22	94	17943	7.36394 ppb	#	66
6) Chloroethane	6.57	64	254	0.04309 ppb		84
7) Dichlorofluoromethane	6.50	67	66707	5.24446 ppb		97
8) Trichlorofluoromethane	7.04	101	31865	6.11884 ppb		93
9) Acrolein	7.66	56	81945	109.87394 ppb		97
10) Acetone	7.79	43	21664	1.47582 ppb		90
11) Freon-113	7.97	101	22009	6.94218 ppb	#	85
12) 1,1-DCE	8.17	96	21675	5.42783 ppb		76
14) Methyl Acetate	8.66	43	69762	2.09497 ppb		97
15) Iodomethane	8.68	142	14851	5.56726 ppb	#	77
16) Acrylonitrile	9.05	53	9566	4.82511 ppb		89
17) Methylene chloride	8.97	86	23520	5.73894 ppb		82
18) Carbon disulfide	9.09	76	111556	6.19456 ppb		98
19) Methyl t-butyl ether (MtBE	9.38	73	83123	5.76919 ppb		93
20) Trans-1,2-DCE	9.57	96	29654	5.71598 ppb		73
21) Diisopropyl Ether	10.22	45	151138	5.69320 ppb		95
22) 1,1-DCA	10.26	63	63120	5.54937 ppb	#	97
23) Vinyl Acetate	10.23	43	115649	5.49978 ppb		98
24) Ethyl tert Butyl Ether	10.90	59	107941	5.52303 ppb		95
25) MEK (2-Butanone)	10.89	43	32766	3.48387 ppb		97
26) Cis-1,2-DCE	11.28	96	30041	5.14926 ppb		84
27) 2,2-Dichloropropane	11.26	77	44858	5.76219 ppb		90
28) Chloroform	11.56	83	55069	5.50599 ppb		91
29) Bromochloromethane	11.78	128	12426	6.10809 ppb		88
31) 1,1,1-TCA	12.30	97	40777	5.66214 ppb		90
32) Cyclohexane	12.46	56	46369	5.60546 ppb		95
33) 1,1-Dichloropropene	12.55	75	38871	5.62871 ppb		92
35) Carbon Tetrachloride	12.75	117	29039	5.29591 ppb		84
36) Tert Amyl Methyl Ether	12.79	73	82392	5.35458 ppb		94
37) 1,2-DCA	12.82	62	42422	5.67855 ppb		100
38) Benzene	12.96	78	125878	5.72265 ppb		91
39) TCE	13.97	95	27348	5.42106 ppb		90
40) 2-Pentanone	13.62	43	591281	111.82024 ppb		98
41) 1,2-Dichloropropane	14.19	63	36039	5.48272 ppb		100
42) Bromodichloromethane	14.55	83	43370	5.68964 ppb		98
43) Dibromomethane	14.60	93	19729	5.65307 ppb		90
44) Methyl Cyclohexane	14.25	83	33205	6.49799 ppb		99
45) 2-Chloroethyl vinyl ether	14.98	63	17100	5.31187 ppb		97

(#) = qualifier out of range (m) = manual integration
0305N05S.D NALLS.M Fri Mar 09 10:08:17 2012

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N05S.D Vial: 1
Acq On : 5 Mar 12 13:24 Operator: SV,DG,RS
Sample : 5ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.32	63	41561	5.49364 ppb		97
47)	Cis-1,3-Dichloropropene	15.42	75	51700	5.44234 ppb		97
48)	Toluene	16.06	91	110479	5.33709 ppb		99
49)	Trans-1,3-Dichloropropene	16.21	75	43100	5.42435 ppb		84
50)	1,1,2-TCA	16.50	83	19364	5.38138 ppb		91
53)	1,2-EDB	17.75	107	23944	5.51490 ppb	#	79
54)	Tetrachloroethene	17.21	129	17967	5.65091 ppb		95
55)	1-Chlorohexane	18.11	91	35152	5.38716 ppb		91
56)	1,1,1,2-Tetrachloroethane	18.57	131	23518	5.31841 ppb		92
57)	m&p-Xylene	18.76	106	84018	11.25759 ppb		99
58)	o-Xylene	19.52	106	42659	5.69994 ppb		96
59)	Styrene	19.53	78	43238	5.43155 ppb		94
61)	2-Hexanone	16.50	43	25204	5.45110 ppb	#	84
62)	1,3-Dichloropropane	16.91	76	42055	5.55488 ppb		93
63)	Dibromochloromethane	17.39	129	26978	5.28463 ppb		93
64)	Chlorobenzene	18.52	112	65347	5.37735 ppb		95
65)	Ethylbenzene	18.62	91	124890	5.64025 ppb		95
66)	Bromoform	20.06	173	16879	5.45428 ppb		84
68)	MIBK (methyl isobutyl keto	15.09	43	39617	6.16486 ppb	#	96
69)	Isopropylbenzene	20.15	105	101350	5.63041 ppb		94
70)	1,1,2,2-Tetrachloroethane	20.31	83	29575	5.56976 ppb	#	86
71)	1,2,3-Trichloropropane	20.55	110	6893	5.75787 ppb		88
72)	t-1,4-Dichloro-2-Butene	20.63	53	8933	5.45177 ppb		82
73)	Bromobenzene	20.90	156	25551	5.56290 ppb		92
74)	n-Propylbenzene	20.86	91	133722	5.57182 ppb		93
75)	2-Chlorotoluene	21.16	91	91633	5.58513 ppb		99
76)	1,3,5-Trimethylbenzene	21.12	105	83785	5.63225 ppb		93
77)	4-Chlorotoluene	21.24	91	83434	5.76831 ppb		88
78)	Tert-Butylbenzene	21.77	119	79775	5.73909 ppb		96
79)	1,2,4-Trimethylbenzene	21.84	105	84181	5.54439 ppb		93
80)	Sec-Butylbenzene	22.17	105	108546	5.61364 ppb		99
81)	p-Isopropyltoluene	22.39	119	85262	5.72514 ppb		97
82)	Benzyl Chloride	22.83	91	49919	5.80098 ppb		94
83)	1,3-DCB	22.54	146	44969	5.74080 ppb		91
84)	1,4-DCB	22.71	146	44978	5.67802 ppb		94
85)	n-Butylbenzene	23.09	91	93212	5.92436 ppb		90
86)	1,2-DCB	23.33	146	39916	5.56198 ppb		98
87)	1,2-Dibromo-3-chloropropan	24.54	155	3393	5.46256 ppb		82
88)	1,2,4-Trichlorobenzene	25.97	180	28107	5.99215 ppb		95
89)	Hexachlorobutadiene	26.21	225	15396	5.48692 ppb		91
90)	Naphthalene	26.32	128	51708	5.40217 ppb		97
91)	1,2,3-Trichlorobenzene	26.69	180	25256	5.40786 ppb		84

(#) = qualifier out of range (m) = manual integration
0305N05S.D NALLS.M Fri Mar 09 10:08:18 2012 Page 2

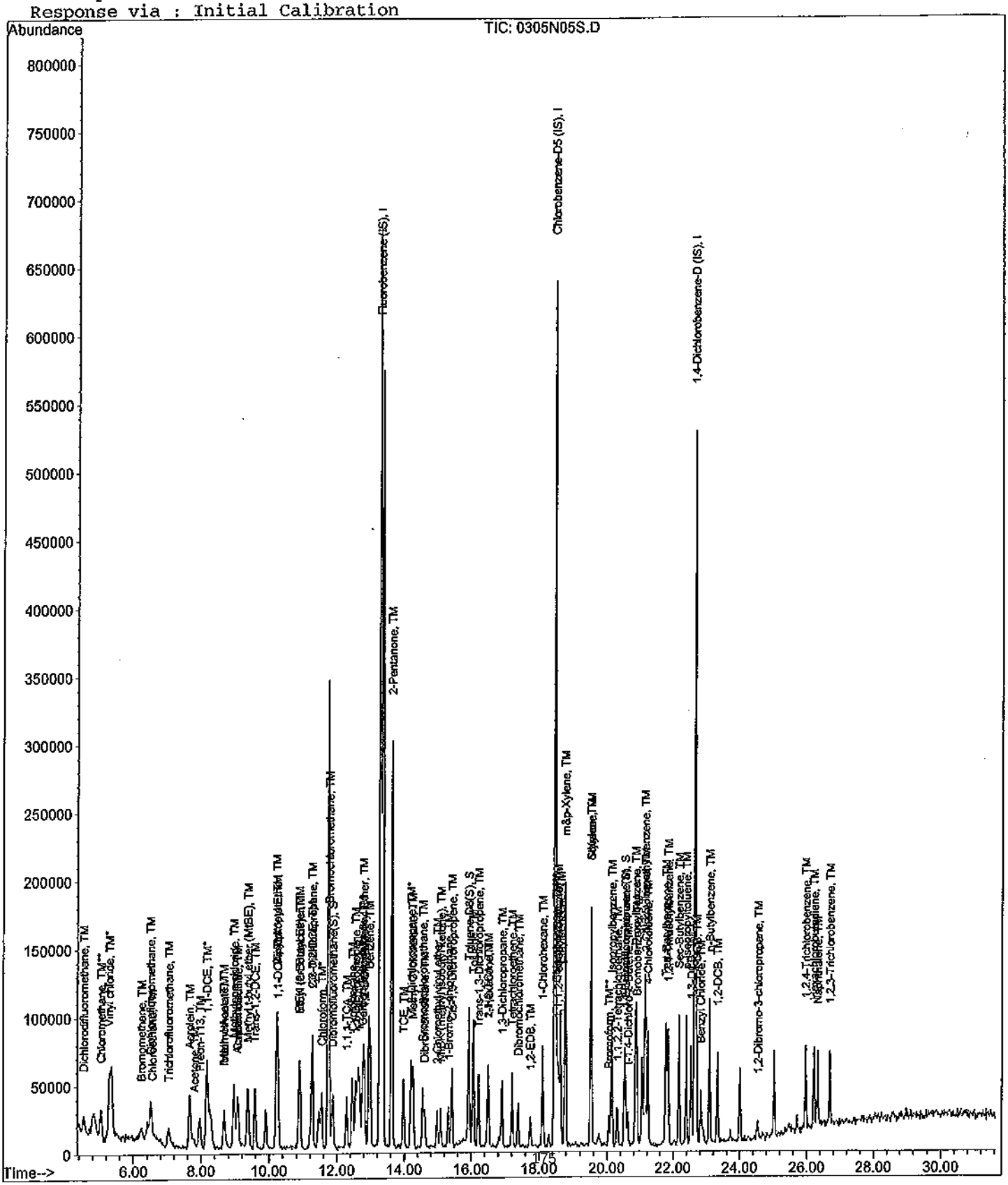
Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N05S.D
Acq On : 5 Mar 12 13:24
Sample : 5ug/kg Vol Std 03-05-12
Misc : Soil 5mL w/IS:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N06S.D Vial: 1
Acq On : 5 Mar 12 14:03 Operator: SV,DG,RS
Sample : 10ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.28	96	316288	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.46	117	206976	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	85936	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.87	111	59896	9.77281 ppb		0.00
Spiked Amount 41.312			Recovery = 23.657%			
34) 1,2-DCA-D4(S)	12.67	65	68716	10.33658 ppb		0.00
Spiked Amount 41.649			Recovery = 24.820%			
52) Toluene-D8(S)	15.93	98	177399	9.91644 ppb		0.00
Spiked Amount 35.274			Recovery = 28.111%			
60) 4-Bromofluorobenzene(S)	20.52	95	70627	10.66461 ppb		0.00
Spiked Amount 35.584			Recovery = 29.972%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.53	85	72988	12.68798 ppb		98
3) Chloromethane	5.04	50	125676	9.84628 ppb		97
4) Vinyl chloride	5.28	62	27296	11.56278 ppb		99
5) Bromomethane	6.22	94	28075	9.84364 ppb		83
6) Chloroethane	6.41	64	50283	12.01003 ppb		99
7) Dichlorofluoromethane	6.50	67	144096	10.52642 ppb		92
8) Trichlorofluoromethane	7.04	101	65781	11.51773 ppb		80
9) Acrolein	7.67	56	116601	145.26924 ppb		97
10) Acetone	7.79	43	36117	8.98697 ppb	#	76
11) Freon-113	7.97	101	49628	12.70577 ppb		90
12) 1,1-DCE	8.18	96	45732	10.64109 ppb		87
14) Methyl Acetate	8.67	43	123103	10.49900 ppb		94
15) Iodomethane	8.67	142	22346	7.39398 ppb		88
16) Acrylonitrile	9.07	53	20485	9.60090 ppb		98
17) Methylene chloride	8.97	86	38461	9.15020 ppb		87
18) Carbon disulfide	9.08	76	196486	10.13791 ppb		96
19) Methyl t-butyl ether (MtBE	9.39	73	144734	9.33391 ppb		95
20) Trans-1,2-DCE	9.59	96	55139	9.87564 ppb		87
21) Diisopropyl Ether	10.22	45	263062	9.20747 ppb		98
22) 1,1-DCA	10.27	63	121454	9.92173 ppb		98
23) Vinyl Acetate	10.22	43	207045	9.14886 ppb	#	97
24) Ethyl tert Butyl Ether	10.91	59	190174	9.04152 ppb		97
25) MEK (2-Butanone)	10.89	43	57936	8.24920 ppb	#	85
26) Cis-1,2-DCE	11.28	96	61779	9.83944 ppb		93
27) 2,2-Dichloropropane	11.27	77	81699	9.75132 ppb		92
28) Chloroform	11.55	83	104379	9.69706 ppb		88
29) Bromochloromethane	11.79	128	22823	10.42427 ppb	#	58
31) 1,1,1-TCA	12.30	97	81709	10.54228 ppb		97
32) Cyclohexane	12.45	56	100055	11.23884 ppb		92
33) 1,1-Dichloropropene	12.56	75	79450	10.68996 ppb	#	87
35) Carbon Tetrachloride	12.75	117	58344	9.88676 ppb		95
36) Tert Amyl Methyl Ether	12.79	73	157735	9.52505 ppb		97
37) 1,2-DCA	12.83	62	78860	9.80850 ppb		99
38) Benzene	12.95	78	232715	9.83039 ppb		96
39) TCE	13.97	95	53725	9.89542 ppb		96
40) 2-Pentanone	13.62	43	877789	154.24665 ppb		100
41) 1,2-Dichloropropane	14.19	63	64521	9.12060 ppb	#	96
42) Bromodichloromethane	14.55	83	74975	9.13925 ppb		85
43) Dibromomethane	14.60	93	36511	9.72080 ppb		79
44) Methyl Cyclohexane	14.26	83	72984	11.72320 ppb		98
45) 2-Chloroethyl vinyl ether	14.99	63	35402	10.21830 ppb		94

(#) = qualifier out of range (m) = manual integration
0305N06S.D NALLS.M Fri Mar 09 10:08:20 2012 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N06S.D Vial: 1
Acq On : 5 Mar 12 14:03 Operator: SV,DG,RS
Sample : 10ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.31	63	81491	10.00882 ppb		92
47)	Cis-1,3-Dichloropropene	15.43	75	99037	9.68706 ppb		97
48)	Toluene	16.06	91	214151	9.61268 ppb		100
49)	Trans-1,3-Dichloropropene	16.21	75	85932	10.04903 ppb		94
50)	1,1,2-TCA	16.49	83	35774	9.23773 ppb		88
53)	1,2-EDB	17.75	107	45402	9.76846 ppb	#	90
54)	Tetrachloroethene	17.21	129	34501	10.13643 ppb		87
55)	1-Chlorohexane	18.10	91	71585	10.24808 ppb		91
56)	1,1,1,2-Tetrachloroethane	18.57	131	45751	9.66479 ppb		95
57)	m&p-Xylene	18.77	106	158106	19.78937 ppb		97
58)	o-Xylene	19.52	106	76072	9.49501 ppb		83
59)	Styrene	19.53	78	81164	9.52429 ppb		84
61)	2-Hexanone	16.51	43	51632	10.43144 ppb	#	94
62)	1,3-Dichloropropane	16.90	76	77932	9.61576 ppb		99
63)	Dibromochloromethane	17.39	129	48635	8.89948 ppb		92
64)	Chlorobenzene	18.53	112	125748	9.66617 ppb		98
65)	Ethylbenzene	18.63	91	232773	9.82006 ppb		99
66)	Bromoform	20.05	173	29685	8.96063 ppb		92
68)	MIBK (methyl isobutyl keto	15.09	43	69584	9.82913 ppb		97
69)	Isopropylbenzene	20.14	105	194064	9.78645 ppb		99
70)	1,1,2,2-Tetrachloroethane	20.31	83	52324	8.94492 ppb		98
71)	1,2,3-Trichloropropane	20.55	110	12280	9.54319 ppb		91
72)	t-1,4-Dichloro-2-Butene	20.63	53	16976	9.40459 ppb		96
73)	Bromobenzene	20.90	156	46541	9.19800 ppb		88
74)	n-Propylbenzene	20.86	91	258946	9.79416 ppb		99
75)	2-Chlorotoluene	21.16	91	160990	8.90727 ppb		90
76)	1,3,5-Trimethylbenzene	21.12	105	149920	9.14828 ppb		98
77)	4-Chlorotoluene	21.24	91	150025	9.41528 ppb		99
78)	Tert-Butylbenzene	21.78	119	150374	9.82004 ppb		88
79)	1,2,4-Trimethylbenzene	21.84	105	152936	9.14352 ppb		99
80)	Sec-Butylbenzene	22.18	105	204768	9.61295 ppb		94
81)	p-Isopropyltoluene	22.39	119	159998	9.75234 ppb		96
82)	Benzyl Chloride	22.83	91	90416	9.53773 ppb		93
83)	1,3-DCB	22.54	146	81859	9.48614 ppb		97
84)	1,4-DCB	22.70	146	83531	9.57213 ppb		95
85)	n-Butylbenzene	23.09	91	169912	9.80296 ppb		99
86)	1,2-DCB	23.33	146	70467	8.91317 ppb		88
87)	1,2-Dibromo-3-chloropropan	24.54	155	5452	7.96768 ppb		91
88)	1,2,4-Trichlorobenzene	25.98	180	47797	9.24982 ppb		94
89)	Hexachlorobutadiene	26.21	225	30027	9.71396 ppb		100
90)	Naphthalene	26.32	128	96657	9.16659 ppb		98
91)	1,2,3-Trichlorobenzene	26.69	180	40274	8.44172 ppb		99

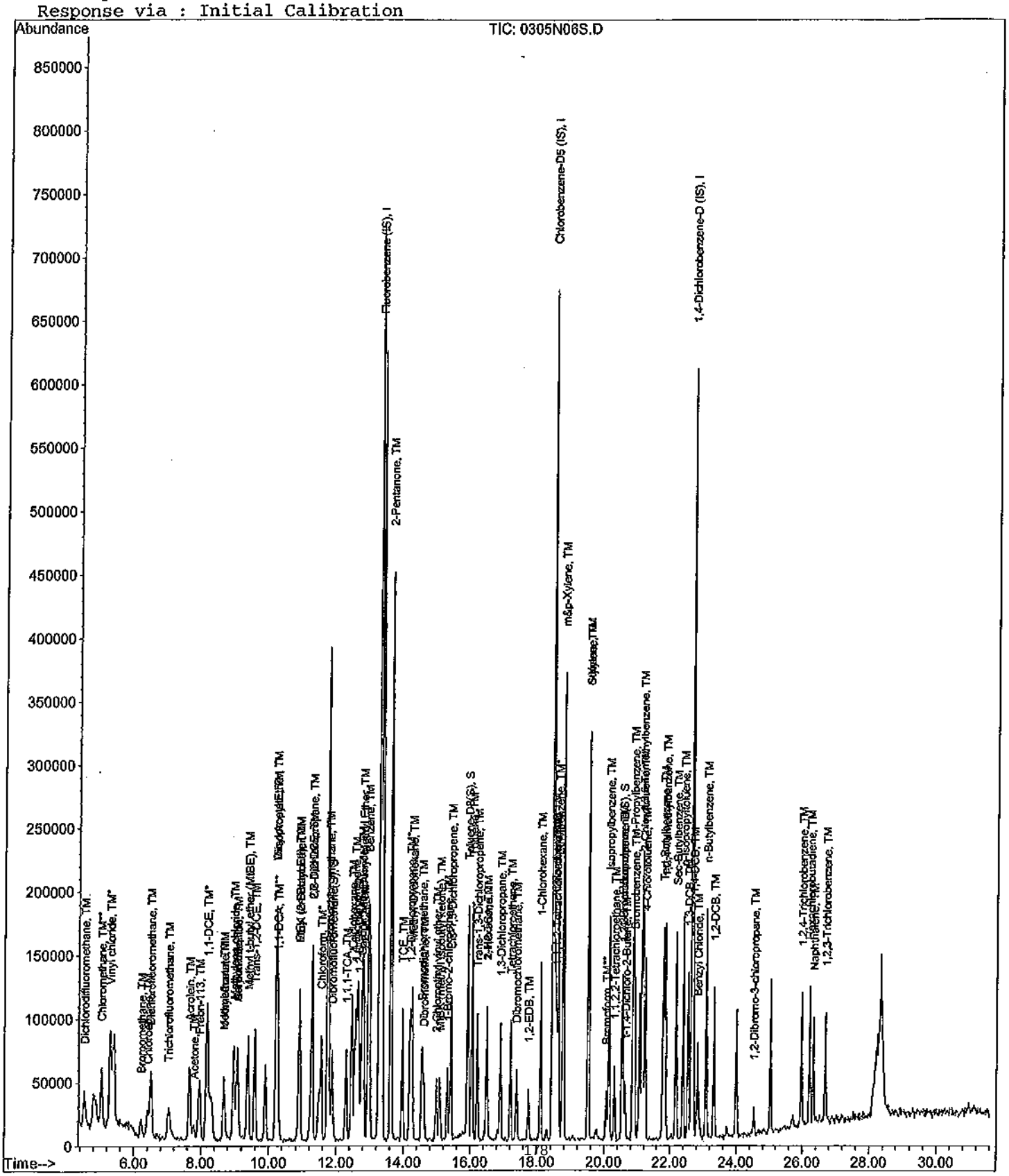
(#) = qualifier out of range (m) = manual integration
0305N06S.D NALLS.M Fri Mar 09 10:08:20 2012 Page 2

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N06S.D Vial: 1
Acq On : 5 Mar 12 14:03 Operator: SV,DG,RS
Sample : 10ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N07S.D Vial: 1
Acq On : 5 Mar 12 14:41 Operator: SV,DG,RS
Sample : 20ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.28	96	317376	50.00000 ppb		-0.01
51) Chlorobenzene-D5 (IS)	18.46	117	199168	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.66	152	83864	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.87	111	118774	19.31308 ppb		0.00
Spiked Amount 41.312			Recovery = 46.750%			
34) 1,2-DCA-D4(S)	12.67	65	136303	20.43305 ppb		0.00
Spiked Amount 41.649			Recovery = 49.061%			
52) Toluene-D8(S)	15.93	98	355754	20.66593 ppb		0.00
Spiked Amount 35.274			Recovery = 58.587%			
60) 4-Bromofluorobenzene(S)	20.53	95	130751	21.12129 ppb		0.00
Spiked Amount 35.584			Recovery = 59.356%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.52	85	151229	25.85140 ppb		95
3) Chloromethane	5.04	50	245891	22.06548 ppb		98
4) Vinyl chloride	5.28	62	48840	20.61805 ppb		97
5) Bromomethane	6.20	94	61281	19.17915 ppb		98
6) Chloroethane	6.40	64	90525	21.56538 ppb		96
7) Dichlorofluoromethane	6.49	67	274883	20.01176 ppb		95
8) Trichlorofluoromethane	7.03	101	131787	22.75781 ppb		98
9) Acrolein	7.66	56	158233	196.46133 ppb		95
10) Acetone	7.78	43	62197	24.16371 ppb		98
11) Freon-113	7.95	101	91970	22.04311 ppb		92
12) 1,1-DCE	8.18	96	93832	21.75834 ppb		84
14) Methyl Acetate	8.67	43	228050	28.72764 ppb		94
15) Iodomethane	8.65	142	68610	20.60803 ppb		92
16) Acrylonitrile	9.06	53	44281	20.68246 ppb		79
17) Methylene chloride	8.95	86	79787	19.80105 ppb		88
18) Carbon disulfide	9.07	76	388344	19.96835 ppb		97
19) Methyl t-butyl ether (MtBE	9.38	73	294007	18.89555 ppb		97
20) Trans-1,2-DCE	9.58	96	110626	19.74569 ppb		92
21) Diisopropyl Ether	10.22	45	572911	19.98379 ppb		99
22) 1,1-DCA	10.26	63	242498	19.74206 ppb		97
23) Vinyl Acetate	10.22	43	419801	18.48648 ppb		99
24) Ethyl tert Butyl Ether	10.91	59	412418	19.54053 ppb		96
25) MEK (2-Butanone)	10.89	43	116629	20.50128 ppb	#	82
26) Cis-1,2-DCE	11.28	96	125471	19.91506 ppb		94
27) 2,2-Dichloropropane	11.27	77	169204	20.12640 ppb		95
28) Chloroform	11.55	83	206499	19.11850 ppb		99
29) Bromochloromethane	11.78	128	45925	20.90406 ppb		80
31) 1,1,1-TCA	12.29	97	153491	19.73587 ppb		96
32) Cyclohexane	12.45	56	201187	22.52119 ppb		94
33) 1,1-Dichloropropene	12.56	75	153485	20.58053 ppb	#	90
35) Carbon Tetrachloride	12.76	117	113099	19.09964 ppb		95
36) Tert Amyl Methyl Ether	12.80	73	318732	19.18110 ppb		96
37) 1,2-DCA	12.82	62	150908	18.70538 ppb		99
38) Benzene	12.94	78	457237	19.24848 ppb		95
39) TCE	13.97	95	111395	20.44712 ppb		97
40) 2-Pentanone	13.62	43	1073322	187.95950 ppb		100
41) 1,2-Dichloropropane	14.19	63	140936	19.85423 ppb		99
42) Bromodichloromethane	14.55	83	156882	19.05794 ppb		98
43) Dibromomethane	14.61	93	72025	19.11042 ppb		89
44) Methyl Cyclohexane	14.25	83	151134	22.61348 ppb		86
45) 2-Chloroethyl vinyl ether	14.99	63	70427	20.25809 ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N07S.D Vial: 1
Acq On : 5 Mar 12 14:41 Operator: SV,DG,RS
Sample : 20ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

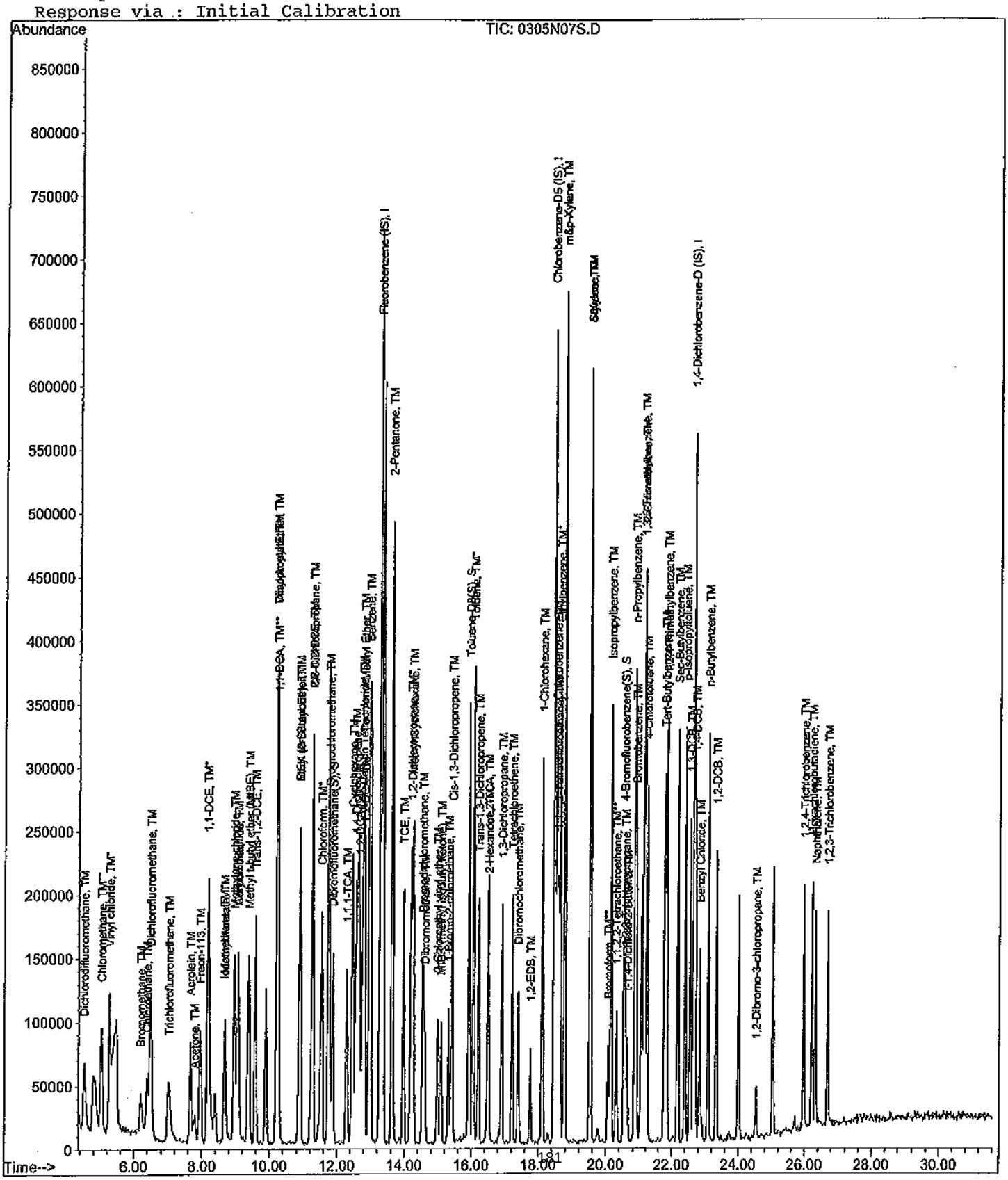
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.31	63	157575	19.28720 ppb		96
47)	Cis-1,3-Dichloropropene	15.42	75	195824	19.08838 ppb		98
48)	Toluene	16.06	91	436067	19.50680 ppb		95
49)	Trans-1,3-Dichloropropene	16.21	75	168010	19.58002 ppb		94
50)	1,1,2-TCA	16.51	83	77790	20.01844 ppb		98
53)	1,2-EDB	17.76	107	87494	19.56275 ppb	#	84
54)	Tetrachloroethene	17.21	129	71015	21.68222 ppb		96
55)	1-Chlorohexane	18.11	91	145737	21.68158 ppb		91
56)	1,1,1,2-Tetrachloroethane	18.57	131	88807	19.49574 ppb		85
57)	m&p-Xylene	18.77	106	303495	39.47622 ppb		97
58)	o-Xylene	19.53	106	147443	19.12472 ppb		93
59)	Styrene	19.54	78	157879	19.25280 ppb		100
61)	2-Hexanone	16.53	43	98882	20.76074 ppb		96
62)	1,3-Dichloropropane	16.91	76	158499	20.32333 ppb		99
63)	Dibromochloromethane	17.39	129	104679	19.90561 ppb		89
64)	Chlorobenzene	18.52	112	247871	19.80066 ppb		93
65)	Ethylbenzene	18.63	91	453056	19.86250 ppb		94
66)	Bromoform	20.07	173	61585	19.31865 ppb		93
68)	MIBK (methyl isobutyl keto	15.09	43	138394	20.03191 ppb		93
69)	Isopropylbenzene	20.15	105	372387	19.24306 ppb		96
70)	1,1,2,2-Tetrachloroethane	20.30	83	104149	18.24443 ppb		97
71)	1,2,3-Trichloropropane	20.58	110	21342	17.28861 ppb		91
72)	t-1,4-Dichloro-2-Butene	20.63	53	32355	18.36731 ppb		81
73)	Bromobenzene	20.91	156	90383	18.30391 ppb		90
74)	n-Propylbenzene	20.86	91	495441	19.20214 ppb		99
75)	2-Chlorotoluene	21.16	91	332583	18.85582 ppb		100
76)	1,3,5-Trimethylbenzene	21.13	105	307705	19.24040 ppb		97
77)	4-Chlorotoluene	21.24	91	291972	18.77631 ppb		99
78)	Tert-Butylbenzene	21.79	119	287375	19.23043 ppb		98
79)	1,2,4-Trimethylbenzene	21.85	105	314429	19.26309 ppb		99
80)	Sec-Butylbenzene	22.17	105	407703	19.61272 ppb		100
81)	p-Isopropyltoluene	22.40	119	307109	19.18167 ppb		99
82)	Benzyl Chloride	22.83	91	172768	18.67508 ppb		97
83)	1,3-DCB	22.55	146	159522	18.94277 ppb		94
84)	1,4-DCB	22.71	146	158611	18.62490 ppb		92
85)	n-Butylbenzene	23.09	91	307405	18.17372 ppb		97
86)	1,2-DCB	23.34	146	139615	18.09580 ppb		100
87)	1,2-Dibromo-3-chloropropan	24.54	155	12017	17.99583 ppb	#	69
88)	1,2,4-Trichlorobenzene	25.97	180	90595	17.96537 ppb		97
89)	Hexachlorobutadiene	26.21	225	58841	19.50582 ppb		82
90)	Naphthalene	26.32	128	192848	18.74084 ppb		99
91)	1,2,3-Trichlorobenzene	26.69	180	79167	18.39496 ppb		95

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N07S.D Vial: 1
Acq On : 5 Mar 12 14:41 Operator: SV,DG,RS
Sample : 20ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:17 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N08S.D Vial: 1
Acq On : 5 Mar 12 15:19 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.29	96	309248	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.46	117	209344	50.00000 ppb	0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	79952	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.88	111	259757	43.34755 ppb	0.00
Spiked Amount 41.312			Recovery	= 104.929%	
34) 1,2-DCA-D4(S)	12.68	65	288832	44.43654 ppb	0.00
Spiked Amount 41.649			Recovery	= 106.695%	
52) Toluene-D8(S)	15.94	98	786463	43.46529 ppb	0.00
Spiked Amount 35.274			Recovery	= 123.220%	
60) 4-Bromofluorobenzene(S)	20.53	95	285672	44.60902 ppb	0.00
Spiked Amount 35.584			Recovery	= 125.364%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.53	85	195394	34.17252 ppb	100
3) Chloromethane	5.04	50	476574	46.87555 ppb	100
4) Vinyl chloride	5.29	62	99368	43.05125 ppb	100
5) Bromomethane	6.22	94	136472	41.39130 ppb	100
6) Chloroethane	6.42	64	193180	47.25658 ppb	100
7) Dichlorofluoromethane	6.51	67	672430	50.24023 ppb	100
8) Trichlorofluoromethane	7.04	101	224334	39.57926 ppb	100
9) Acrolein	7.67	56	195424	249.01476 ppb	100
10) Acetone	7.79	43	106704	51.82748 ppb	100
11) Freon-113	7.96	101	155511	37.01702 ppb	100
12) 1,1-DCE	8.19	96	182313	43.38699 ppb	100
14) Methyl Acetate	8.67	43	337579	49.37658 ppb	100
15) Iodomethane	8.67	142	163137	48.87872 ppb	100
16) Acrylonitrile	9.06	53	109150	52.32096 ppb	100
17) Methylene chloride	8.97	86	192247	50.18463 ppb	100
18) Carbon disulfide	9.09	76	806879	42.57956 ppb	100
19) Methyl t-butyl ether (MtBE	9.38	73	750556	49.50534 ppb	100
20) Trans-1,2-DCE	9.59	96	251409	46.05356 ppb	100
21) Diisopropyl Ether	10.23	45	1360694	48.71003 ppb	100
22) 1,1-DCA	10.27	63	583591	48.75960 ppb	100
23) Vinyl Acetate	10.23	43	1115589	50.41761 ppb	100
24) Ethyl tert Butyl Ether	10.91	59	986714	47.97967 ppb	100
25) MEK (2-Butanone)	10.89	43	254035	50.68085 ppb	100
26) Cis-1,2-DCE	11.28	96	308836	50.30756 ppb	100
27) 2,2-Dichloropropane	11.27	77	375527	45.84202 ppb	100
28) Chloroform	11.56	83	522687	49.66434 ppb	100
29) Bromochloromethane	11.78	128	102742	47.99509 ppb	100
31) 1,1,1-TCA	12.29	97	357344	47.15492 ppb	100
32) Cyclohexane	12.46	56	336646	38.67516 ppb	100
33) 1,1-Dichloropropene	12.56	75	322797	44.42090 ppb	100
35) Carbon Tetrachloride	12.76	117	267118	46.29528 ppb	100
36) Tert Amyl Methyl Ether	12.79	73	797254	49.23928 ppb	100
37) 1,2-DCA	12.83	62	390694	49.70020 ppb	100
38) Benzene	12.95	78	1120106	48.39288 ppb	100
39) TCE	13.98	95	258943	48.77956 ppb	100
40) 2-Pentanone	13.62	43	1374111	246.95809 ppb	100
41) 1,2-Dichloropropane	14.20	63	351929	50.88073 ppb	100
42) Bromodichloromethane	14.55	83	402089	50.12937 ppb	100
43) Dibromomethane	14.61	93	176388	48.03116 ppb	100
44) Methyl Cyclohexane	14.26	83	259230	38.67782 ppb	100
45) 2-Chloroethyl vinyl ether	14.99	63	164534	48.57158 ppb	100

(#) = qualifier out of range (m) = manual integration
0305N08S.D NALLS.M Fri Mar 09 10:08:25 2012 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N08S.D Vial: 1
Acq On : 5 Mar 12 15:19 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

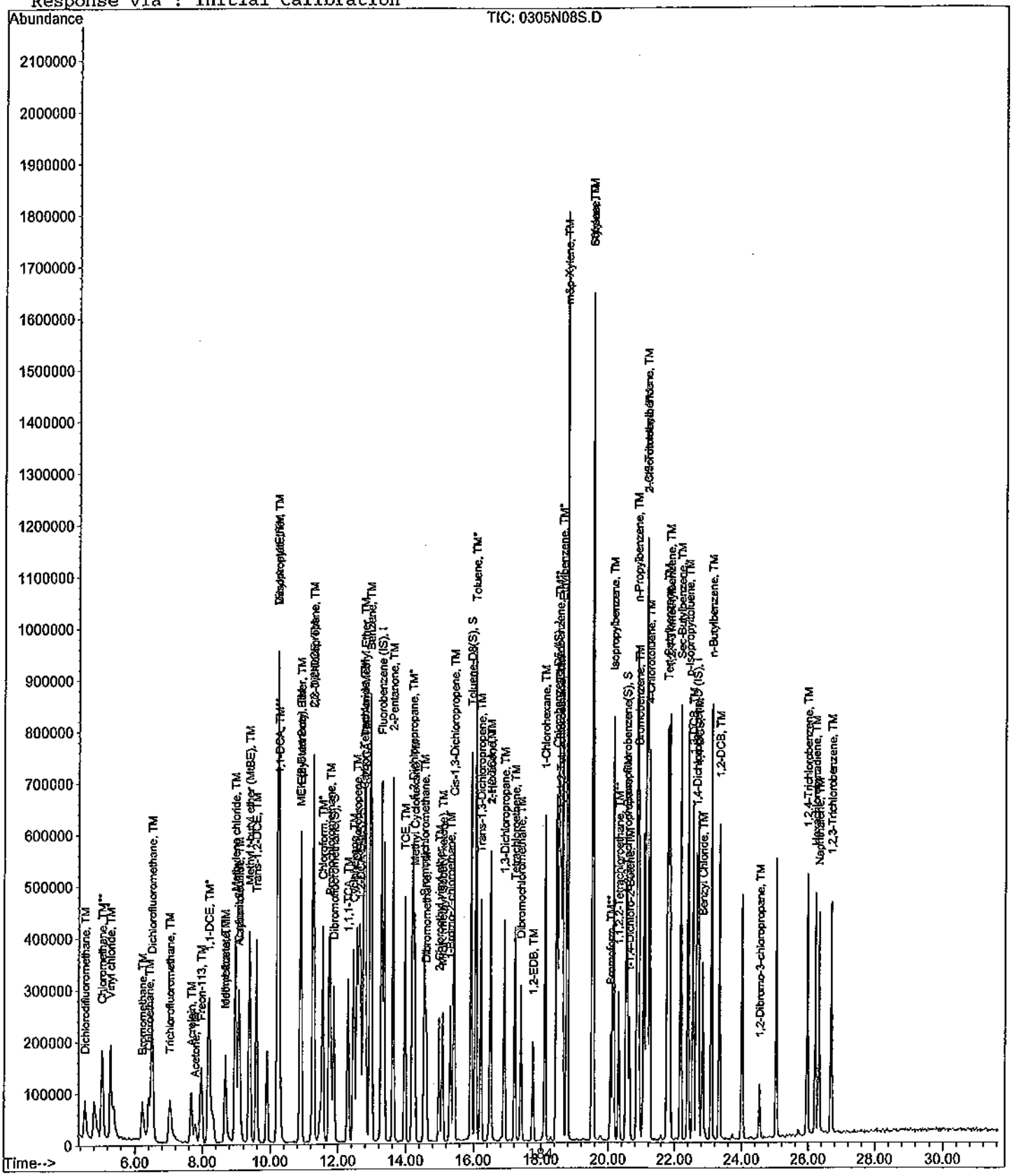
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46) 1-Bromo-2-chloroethane	15.32	63	396229	49.77317 ppb	100
47) Cis-1,3-Dichloropropene	15.42	75	475462	47.56485 ppb	100
48) Toluene	16.06	91	1091879	50.12732 ppb	100
49) Trans-1,3-Dichloropropene	16.21	75	384962	46.04295 ppb	100
50) 1,1,2-TCA	16.50	83	194758	51.43622 ppb	100
53) 1,2-EDB	17.76	107	222670	47.36662 ppb	100
54) Tetrachloroethene	17.21	129	154379	44.84365 ppb	100
55) 1-Chlorohexane	18.11	91	304373	43.08104 ppb	100
56) 1,1,1,2-Tetrachloroethane	18.57	131	231485	48.34754 ppb	100
57) m&p-Xylene	18.77	106	756129	93.57051 ppb	100
58) o-Xylene	19.52	106	400174	49.38314 ppb	100
59) Styrene	19.54	78	423293	49.10997 ppb	100
61) 2-Hexanone	16.51	43	233683	46.67794 ppb	100
62) 1,3-Dichloropropane	16.91	76	376695	45.95336 ppb	100
63) Dibromochloromethane	17.39	129	267685	48.42828 ppb	100
64) Chlorobenzene	18.52	112	653626	49.67550 ppb	100
65) Ethylbenzene	18.63	91	1131319	47.18742 ppb	100
66) Bromoform	20.07	173	163485	48.79090 ppb	100
68) MIBK (methyl isobutyl keto	15.09	43	331063	50.26458 ppb	100
69) Isopropylbenzene	20.16	105	933992	50.62547 ppb	100
70) 1,1,2,2-Tetrachloroethane	20.31	83	277739	51.03384 ppb	100
71) 1,2,3-Trichloropropane	20.57	110	62195	53.62017 ppb	100
72) t-1,4-Dichloro-2-Butene	20.63	53	95246	56.71488 ppb	100
73) Bromobenzene	20.91	156	238459	50.65439 ppb	100
74) n-Propylbenzene	20.86	91	1232187	50.09341 ppb	100
75) 2-Chlorotoluene	21.16	91	868223	51.63246 ppb	100
76) 1,3,5-Trimethylbenzene	21.13	105	778941	51.08934 ppb	100
77) 4-Chlorotoluene	21.24	91	766432	51.69981 ppb	100
78) Tert-Butylbenzene	21.79	119	726458	50.99139 ppb	100
79) 1,2,4-Trimethylbenzene	21.85	105	806715	51.84057 ppb	100
80) Sec-Butylbenzene	22.17	105	996762	50.29580 ppb	100
81) p-Isopropyltoluene	22.40	119	742872	48.66919 ppb	100
82) Benzyl Chloride	22.83	91	404453	45.85783 ppb	100
83) 1,3-DCB	22.54	146	430029	53.56323 ppb	100
84) 1,4-DCB	22.71	146	387554	47.73524 ppb	100
85) n-Butylbenzene	23.09	91	803141	49.80476 ppb	100
86) 1,2-DCB	23.34	146	392147	53.31395 ppb	100
87) 1,2-Dibromo-3-chloropropan	24.53	155	36765	57.75062 ppb	100
88) 1,2,4-Trichlorobenzene	25.96	180	235436	48.97237 ppb	100
89) Hexachlorobutadiene	26.22	225	142065	49.39891 ppb	100
90) Naphthalene	26.33	128	500677	51.03614 ppb	100
91) 1,2,3-Trichlorobenzene	26.69	180	211058	53.90387 ppb	100

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N08S.D Vial: 1
Acq On : 5 Mar 12 15:19 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N09S.D Vial: 1
Acq On : 5 Mar 12 15:57 Operator: SV,DG,RS
Sample : 100ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.28	96	321792	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.46	117	214592	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	92080	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.88	111	603696	96.81603 ppb		0.00
Spiked Amount 41.312			Recovery = 234.355%			
34) 1,2-DCA-D4(S)	12.67	65	681851	100.81289 ppb		0.00
Spiked Amount 41.649			Recovery = 242.057%			
52) Toluene-D8(S)	15.93	98	1715000	92.46458 ppb		0.00
Spiked Amount 35.274			Recovery = 262.131%			
60) 4-Bromofluorobenzene(S)	20.53	95	664595	102.07162 ppb		0.00
Spiked Amount 35.584			Recovery = 286.851%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.53	85	632485	105.61450 ppb		100
3) Chloromethane	5.05	50	1072021	104.83940 ppb		96
4) Vinyl chloride	5.28	62	235648	98.11482 ppb		98
5) Bromomethane	6.22	94	369505	104.65598 ppb		95
6) Chloroethane	6.40	64	456087	107.24923 ppb		94
7) Dichlorofluoromethane	6.50	67	1419861	101.94877 ppb		98
8) Trichlorofluoromethane	7.03	101	629383	106.30849 ppb		93
9) Acrolein	7.66	56	237350	290.64850 ppb		93
10) Acetone	7.79	43	206600	106.94059 ppb		96
11) Freon-113	7.96	101	472647	104.89449 ppb		97
12) 1,1-DCE	8.19	96	448402	102.55129 ppb		91
14) Methyl Acetate	8.69	43	665571	103.43728 ppb		92
15) Iodomethane	8.68	142	364721	103.89282 ppb	#	89
16) Acrylonitrile	9.06	53	209899	96.69276 ppb		95
17) Methylene chloride	8.96	86	395366	99.99286 ppb		97
18) Carbon disulfide	9.08	76	1825025	92.55357 ppb		96
19) Methyl t-butyl ether (MtBE	9.39	73	1604071	101.67734 ppb		97
20) Trans-1,2-DCE	9.58	96	564381	99.35424 ppb		92
21) Diisopropyl Ether	10.22	45	3004059	103.34703 ppb		100
22) 1,1-DCA	10.27	63	1240544	99.60826 ppb		100
23) Vinyl Acetate	10.23	43	2433268	105.68166 ppb		99
24) Ethyl tert Butyl Ether	10.90	59	2208905	103.22256 ppb		98
25) MEK (2-Butanone)	10.90	43	545220	108.70667 ppb	#	91
26) Cis-1,2-DCE	11.29	96	648506	101.51986 ppb		96
27) 2,2-Dichloropropane	11.28	77	857927	100.64786 ppb		96
28) Chloroform	11.56	83	1117173	102.01289 ppb		98
29) Bromochloromethane	11.78	128	209645	94.11632 ppb		89
31) 1,1,1-TCA	12.30	97	815087	103.36564 ppb		95
32) Cyclohexane	12.47	56	938831	103.65202 ppb		98
33) 1,1-Dichloropropene	12.56	75	765985	101.30008 ppb		95
35) Carbon Tetrachloride	12.75	117	643713	107.21548 ppb		99
36) Tert Amyl Methyl Ether	12.79	73	1723251	102.28105 ppb		97
37) 1,2-DCA	12.82	62	829922	101.45895 ppb		99
38) Benzene	12.96	78	2371578	98.46716 ppb		96
39) TCE	13.97	95	573480	103.82061 ppb		96
40) 2-Pentanone	13.63	43	1683240	290.72283 ppb		98
41) 1,2-Dichloropropane	14.20	63	744850	103.49008 ppb		99
42) Bromodichloromethane	14.55	83	883681	105.87592 ppb		98
43) Dibromomethane	14.61	93	382453	100.08380 ppb		98
44) Methyl Cyclohexane	14.26	83	746869	104.46441 ppb		92
45) 2-Chloroethyl vinyl ether	14.99	63	365049	103.56414 ppb		94

(#) = qualifier out of range (m) = manual integration
0305N09S.D NALLS.M Fri Mar 09 10:08:27 2012 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N09S.D Vial: 1
Acq On : 5 Mar 12 15:57 Operator: SV,DG,RS
Sample : 100ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46) 1-Bromo-2-chloroethane	15.32	63	832261	100.47088 ppb		98
47) Cis-1,3-Dichloropropene	15.43	75	1037415	99.73658 ppb		98
48) Toluene	16.06	91	2223553	98.10229 ppb		98
49) Trans-1,3-Dichloropropene	16.22	75	883515	101.55255 ppb		96
50) 1,1,2-TCA	16.50	83	401337	101.86256 ppb		95
53) 1,2-EDB	17.75	107	466606	96.82958 ppb	#	86
54) Tetrachloroethene	17.22	129	336309	95.30116 ppb		94
55) 1-Chlorohexane	18.12	91	709803	98.00875 ppb		92
56) 1,1,1,2-Tetrachloroethane	18.58	131	479288	97.65512 ppb		98
57) m&p-Xylene	18.77	106	1554818	187.70232 ppb		99
58) o-Xylene	19.52	106	804358	96.83364 ppb		96
59) Styrene	19.53	78	863122	97.68948 ppb		94
61) 2-Hexanone	16.51	43	458564	89.35761 ppb		91
62) 1,3-Dichloropropane	16.90	76	833642	99.20966 ppb		95
63) Dibromochloromethane	17.40	129	579745	102.31964 ppb		97
64) Chlorobenzene	18.53	112	1284632	95.24422 ppb		97
65) Ethylbenzene	18.64	91	2396630	97.51898 ppb		94
66) Bromoform	20.06	173	342663	99.76428 ppb		99
68) MIBK (methyl isobutyl keto	15.08	43	663656	87.49000 ppb		92
69) Isopropylbenzene	20.15	105	1913492	90.05682 ppb		98
70) 1,1,2,2-Tetrachloroethane	20.31	83	576788	92.02411 ppb		98
71) 1,2,3-Trichloropropane	20.58	110	130539	98.02741 ppb		89
72) t-1,4-Dichloro-2-Butene	20.63	53	177743	91.89816 ppb		95
73) Bromobenzene	20.90	156	489986	90.37558 ppb		96
74) n-Propylbenzene	20.86	91	2628587	92.78768 ppb		99
75) 2-Chlorotoluene	21.17	91	1794902	92.68219 ppb		98
76) 1,3,5-Trimethylbenzene	21.13	105	1662390	94.67224 ppb		95
77) 4-Chlorotoluene	21.25	91	1488501	87.18233 ppb		99
78) Tert-Butylbenzene	21.80	119	1508479	91.93685 ppb		95
79) 1,2,4-Trimethylbenzene	21.85	105	1659391	92.58963 ppb		100
80) Sec-Butylbenzene	22.18	105	2137117	93.63378 ppb		98
81) p-Isopropyltoluene	22.40	119	1658200	94.32809 ppb		96
82) Benzyl Chloride	22.83	91	896384	88.24773 ppb		97
83) 1,3-DCB	22.54	146	832725	90.06056 ppb		94
84) 1,4-DCB	22.71	146	817240	87.40183 ppb		98
85) n-Butylbenzene	23.10	91	1711209	92.13956 ppb		98
86) 1,2-DCB	23.33	146	779751	92.04749 ppb		98
87) 1,2-Dibromo-3-chloropropan	24.53	155	70880	96.67402 ppb		81
88) 1,2,4-Trichlorobenzene	25.97	180	491315	88.73650 ppb		99
89) Hexachlorobutadiene	26.22	225	319809	96.55728 ppb		97
90) Naphthalene	26.32	128	1036853	91.77014 ppb		100
91) 1,2,3-Trichlorobenzene	26.70	180	442546	99.26419 ppb		100

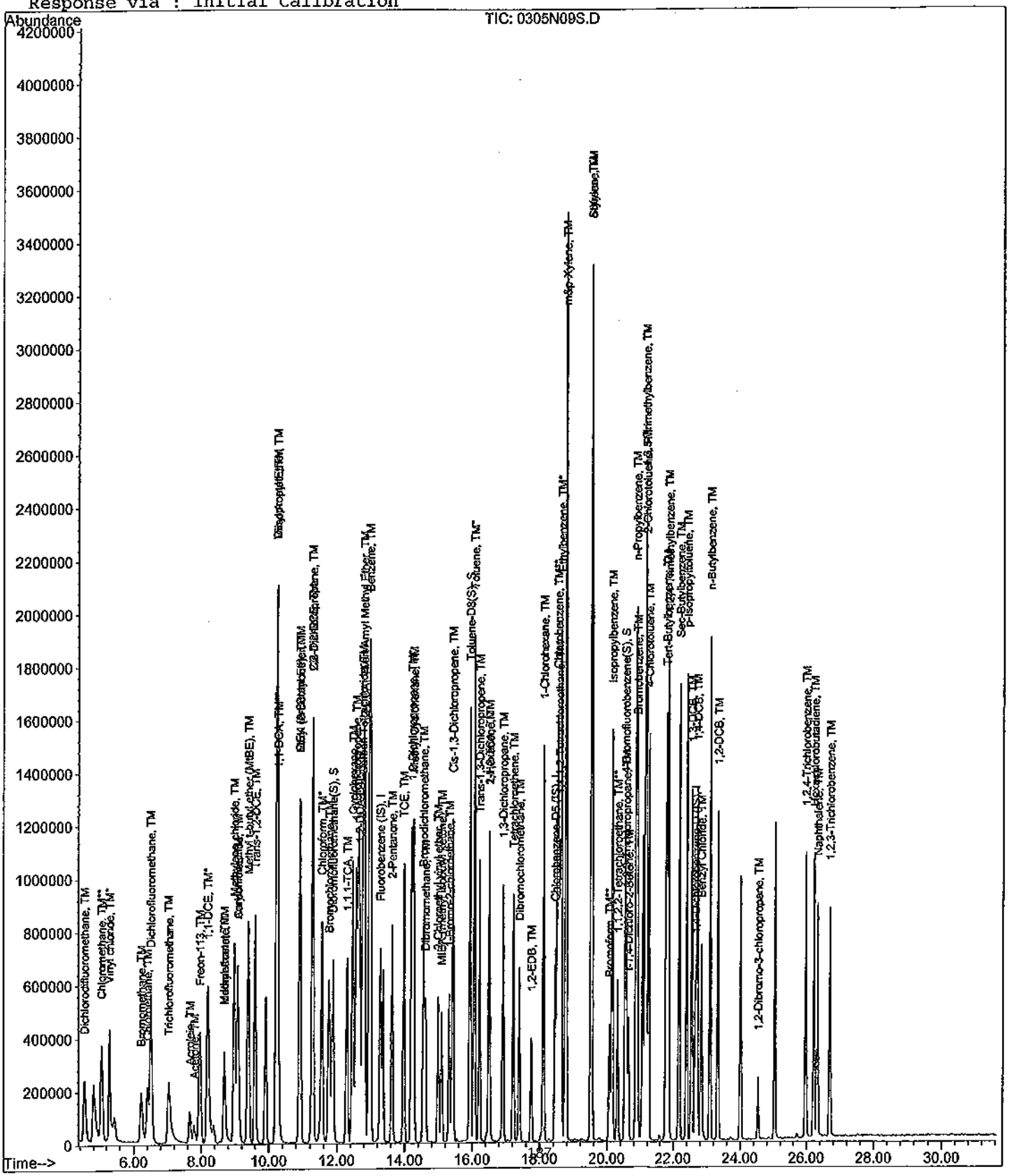
(#) = qualifier out of range (m) = manual integration
0305N09S.D NALLS.M Fri Mar 09 10:08:27 2012 Page 2

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N09S.D Vial: 1
Acq On : 5 Mar 12 15:57 Operator: SV,DG,RS
Sample : 100ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N10S.D Vial: 1
Acq On : 5 Mar 12 16:35 Operator: SV,DG,RS
Sample : 200ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.29	96	311360	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.46	117	174144	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.66	152	73280	50.00000 ppb		0.01
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.88	111	1040045	172.38263 ppb		0.00
Spiked Amount 41.312			Recovery = 417.275%			
34) 1,2-DCA-D4(S)	12.68	65	1171226	178.96979 ppb		0.00
Spiked Amount 41.649			Recovery = 429.715%			
52) Toluene-D8(S)	15.94	98	3089451	205.25683 ppb		0.00
Spiked Amount 35.274			Recovery = 581.888%			
60) 4-Bromofluorobenzene(S)	20.53	95	1054159	200.13153 ppb		0.00
Spiked Amount 35.584			Recovery = 562.428%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.52	85	1162880	200.39380 ppb		90
3) Chloromethane	5.04	50	1934939	198.18143 ppb		98
4) Vinyl chloride	5.28	62	417024	179.45035 ppb		99
5) Bromomethane	6.20	94	688665	199.82761 ppb		100
6) Chloroethane	6.39	64	810231	196.92866 ppb		93
7) Dichlorofluoromethane	6.50	67	2531706	187.87192 ppb		99
8) Trichlorofluoromethane	7.03	101	1141580	199.07487 ppb		95
9) Acrolein	7.66	56	246575	312.06159 ppb		97
10) Acetone	7.80	43	349055	195.83754 ppb		93
11) Freon-113	7.95	101	880492	200.40038 ppb		96
12) 1,1-DCE	8.18	96	826796	195.42692 ppb		95
14) Methyl Acetate	8.68	43	1174143	197.68029 ppb		96
15) Iodomethane	8.67	142	676921	198.38650 ppb	#	91
16) Acrylonitrile	9.06	53	360730	171.74270 ppb		92
17) Methylene chloride	8.97	86	689361	180.85354 ppb		96
18) Carbon disulfide	9.08	76	3268996	171.33701 ppb		95
19) Methyl t-butyl ether (MtBE	9.39	73	2694907	176.54556 ppb		98
20) Trans-1,2-DCE	9.59	96	987042	179.58171 ppb		96
21) Diisopropyl Ether	10.22	45	5270479	187.39244 ppb		100
22) 1,1-DCA	10.27	63	2237810	185.70295 ppb		99
23) Vinyl Acetate	10.23	43	4259392	191.19200 ppb		99
24) Ethyl tert Butyl Ether	10.91	59	3839343	185.42441 ppb		97
25) MEK (2-Butanone)	10.90	43	934403	195.57372 ppb	#	88
26) Cis-1,2-DCE	11.28	96	1124327	181.90392 ppb		98
27) 2,2-Dichloropropane	11.27	77	1531543	185.69314 ppb		99
28) Chloroform	11.56	83	1924203	181.59250 ppb		98
29) Bromochloromethane	11.79	128	357175	165.71961 ppb		93
31) 1,1,1-TCA	12.29	97	1489452	195.21408 ppb		96
32) Cyclohexane	12.46	56	1761740	201.02246 ppb		100
33) 1,1-Dichloropropene	12.56	75	1406847	192.28651 ppb		94
35) Carbon Tetrachloride	12.76	117	1160811	199.82010 ppb		99
36) Tert Amyl Methyl Ether	12.79	73	2877120	176.48876 ppb		97
37) 1,2-DCA	12.83	62	1434060	181.18942 ppb		99
38) Benzene	12.95	78	4235821	181.76239 ppb		95
39) TCE	13.98	95	984179	184.14157 ppb		90
40) 2-Pentanone	13.64	43	1634881	291.83116 ppb		100
41) 1,2-Dichloropropane	14.20	63	1263186	181.38845 ppb		99
42) Bromodichloromethane	14.55	83	1490557	184.57067 ppb		99
43) Dibromomethane	14.61	93	642582	173.79076 ppb		94
44) Methyl Cyclohexane	14.26	83	1394516	200.20521 ppb		96
45) 2-Chloroethyl vinyl ether	14.99	63	588943	172.68074 ppb		93

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N10S.D Vial: 1
Acq On : 5 Mar 12 16:35 Operator: SV,DG,RS
Sample : 200ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

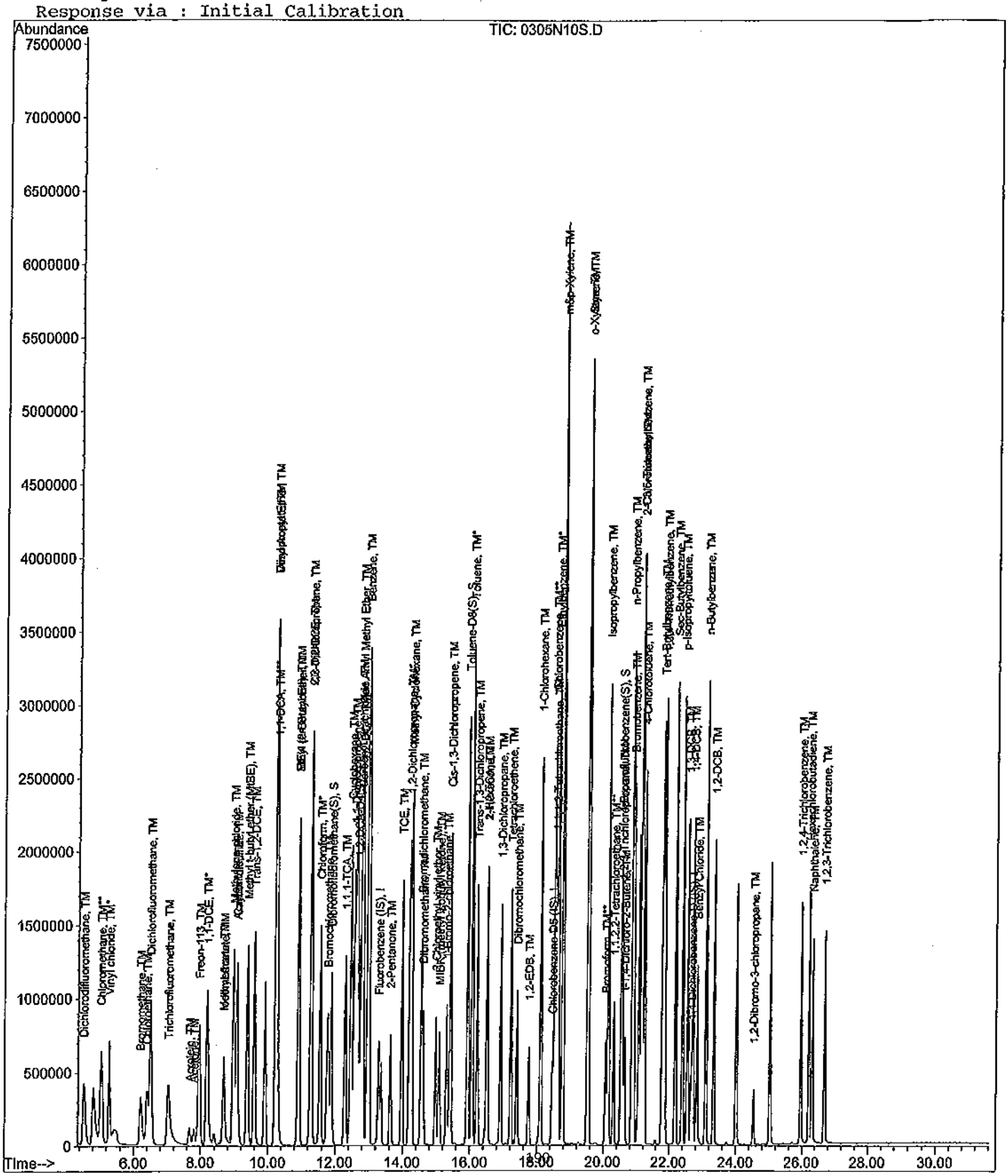
Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.32	63	1447443	180.59036	ppb		98
47)	Cis-1,3-Dichloropropene	15.42	75	1775326	176.39753	ppb		97
48)	Toluene	16.06	91	3973925	181.20232	ppb		99
49)	Trans-1,3-Dichloropropene	16.21	75	1475146	175.23641	ppb		97
50)	1,1,2-TCA	16.51	83	688075	180.49018	ppb		98
53)	1,2-EDB	17.76	107	794671	203.21235	ppb	#	91
54)	Tetrachloroethene	17.22	129	613784	214.32867	ppb		96
55)	1-Chlorohexane	18.12	91	1316133	223.94008	ppb		92
56)	1,1,1,2-Tetrachloroethane	18.58	131	776501	194.96000	ppb		96
57)	m&p-Xylene	18.77	106	2772634	412.46551	ppb		97
58)	o-Xylene	19.52	106	1357907	201.44287	ppb		100
59)	Styrene	19.54	78	1420928	198.17675	ppb		99
61)	2-Hexanone	16.52	43	754973	181.28756	ppb		92
62)	1,3-Dichloropropane	16.91	76	1361743	199.69838	ppb		98
63)	Dibromochloromethane	17.40	129	950232	206.66010	ppb		99
64)	Chlorobenzene	18.53	112	2153729	196.76868	ppb		98
65)	Ethylbenzene	18.63	91	4063566	203.75134	ppb		97
66)	Bromoform	20.07	173	559116	200.59256	ppb		94
68)	MIBK (methyl isobutyl keto	15.10	43	1089430	180.46566	ppb		98
69)	Isopropylbenzene	20.15	105	3504693	207.26205	ppb		97
70)	1,1,2,2-Tetrachloroethane	20.32	83	958814	192.22047	ppb		96
71)	1,2,3-Trichloropropane	20.57	110	211914	200.35218	ppb		89
72)	t-1,4-Dichloro-2-Butene	20.63	53	293860	190.91262	ppb		95
73)	Bromobenzene	20.91	156	820363	190.13117	ppb		98
74)	n-Propylbenzene	20.86	91	4597630	203.93033	ppb		99
75)	2-Chlorotoluene	21.16	91	2930149	190.11882	ppb		99
76)	1,3,5-Trimethylbenzene	21.13	105	2771899	198.35675	ppb		97
77)	4-Chlorotoluene	21.24	91	2582460	190.06090	ppb		100
78)	Tert-Butylbenzene	21.79	119	2641816	202.31719	ppb		100
79)	1,2,4-Trimethylbenzene	21.85	105	2803437	196.55508	ppb		100
80)	Sec-Butylbenzene	22.18	105	3820453	210.32891	ppb		100
81)	p-Isopropyltoluene	22.40	119	2806324	200.59579	ppb		98
82)	Benzyl Chloride	22.83	91	1425738	176.37174	ppb		95
83)	1,3-DCB	22.55	146	1388853	188.74227	ppb		94
84)	1,4-DCB	22.72	146	1352626	181.77263	ppb		97
85)	n-Butylbenzene	23.10	91	2947153	199.40021	ppb		98
86)	1,2-DCB	23.34	146	1289645	191.29606	ppb		99
87)	1,2-Dibromo-3-chloropropan	24.54	155	120618	206.71789	ppb		91
88)	1,2,4-Trichlorobenzene	25.97	180	789448	179.16189	ppb		97
89)	Hexachlorobutadiene	26.22	225	539027	204.49594	ppb		89
90)	Naphthalene	26.32	128	1581186	175.85188	ppb		98
91)	1,2,3-Trichlorobenzene	26.69	180	703405	199.62049	ppb		97

Data File : M:\NEO\DATA\N120305\0305N10S.D Vial: 1
Acq On : 5 Mar 12 16:35 Operator: SV,DG,RS
Sample : 200ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS:10-20-11 Multiplr: 1.00

Quant Time: Mar 7 14:18 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N16S.D Vial: 1
Acq On : 5 Mar 12 20:24 Operator: SV,DG,RS
Sample : 120305A LCS-1SN (ss) Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 9:32 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.29	96	321344	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.46	117	209408	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	87496	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.88	111	224234	36.01102 ppb		0.00
Spiked Amount 41.312			Recovery = 87.169%			
34) 1,2-DCA-D4(S)	12.67	65	245270	36.31417 ppb		0.00
Spiked Amount 41.649			Recovery = 87.192%			
52) Toluene-D8(S)	15.93	98	675554	37.32430 ppb		0.00
Spiked Amount 35.274			Recovery = 105.811%			
60) 4-Bromofluorobenzene(S)	20.53	95	230123	35.79651 ppb		0.00
Spiked Amount 35.584			Recovery = 100.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.54	85	335455	56.24657 ppb		87
3) Chloromethane	5.05	50	589631	56.38814 ppb		97
4) Vinyl chloride	5.29	62	126912	52.91497 ppb		100
5) Bromomethane	6.21	94	186170	53.74456 ppb		90
6) Chloroethane	6.42	64	248444	58.49311 ppb		93
7) Dichlorofluoromethane	6.51	67	766843	55.13758 ppb		98
8) Trichlorofluoromethane	7.05	101	340253	57.66144 ppb		100
9) Acrolein	7.67	56	175240	214.89046 ppb		94
10) Acetone	7.79	43	103272	47.43526 ppb		89
11) Freon-113	7.97	101	243228	54.86887 ppb		97
12) 1,1-DCE	8.19	96	245234	56.16417 ppb		92
14) Methyl Acetate	8.68	43	324525	44.85377 ppb		99
15) Iodomethane	8.69	142	203038	58.35031 ppb	#	93
16) Acrylonitrile	9.06	53	97677	45.05894 ppb		81
17) Methylene chloride	8.97	86	208087	52.30935 ppb		98
18) Carbon disulfide	9.08	76	983525	49.94762 ppb		96
19) Methyl t-butyl ether (MtBE	9.39	73	742651	47.14009 ppb		97
20) Trans-1,2-DCE	9.59	96	305791	53.90683 ppb		93
21) Diisopropyl Ether	10.22	45	1474089	50.78299 ppb		99
22) 1,1-DCA	10.27	63	658936	52.98238 ppb		99
23) Vinyl Acetate	10.22	43	1115657	48.52275 ppb		97
24) Ethyl tert Butyl Ether	10.91	59	1066830	49.92267 ppb		95
25) MEK (2-Butanone)	10.90	43	257024	49.24362 ppb		100
26) Cis-1,2-DCE	11.28	96	344420	53.99212 ppb		97
27) 2,2-Dichloropropane	11.27	77	454070	53.34357 ppb		100
28) Chloroform	11.56	83	568244	51.96064 ppb		97
29) Bromochloromethane	11.79	128	104068	46.78457 ppb		92
31) 1,1,1-TCA	12.30	97	459913	58.40539 ppb		93
32) Cyclohexane	12.46	56	515446	56.98736 ppb		97
33) 1,1-Dichloropropene	12.56	75	418844	55.46856 ppb		93
35) Carbon Tetrachloride	12.76	117	346583	57.80661 ppb		98
36) Tert Amyl Methyl Ether	12.79	73	816710	48.54221 ppb		96
37) 1,2-DCA	12.83	62	401913	49.20284 ppb		99
38) Benzene	12.96	78	1242802	51.67268 ppb		97
39) TCE	13.98	95	294836	53.45039 ppb		92
40) 2-Pentanone	13.63	43	1296770	224.28545 ppb		100
41) 1,2-Dichloropropane	14.20	63	373089	51.90957 ppb		100
42) Bromodichloromethane	14.55	83	435736	52.27935 ppb		97
43) Dibromomethane	14.61	93	191968	50.30598 ppb		97
44) Methyl Cyclohexane	14.27	83	389031	55.19992 ppb		92
45) 2-Chloroethyl vinyl ether	14.98	63	167288	47.52565 ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N16S.D Vial: 1
Acq On : 5 Mar 12 20:24 Operator: SV,DG,RS
Sample : 120305A LCS-1SN (ss) Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 9:32 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.32	63	411148	49.70315 ppb		100
47)	Cis-1,3-Dichloropropene	15.43	75	530236	51.04770 ppb		97
48)	Toluene	16.06	91	1205585	53.26409 ppb		99
49)	Trans-1,3-Dichloropropene	16.21	75	438758	50.50182 ppb		96
50)	1,1,2-TCA	16.50	83	205180	52.14894 ppb		92
53)	1,2-EDB	17.76	107	229023	48.70315 ppb	#	92
54)	Tetrachloroethene	17.22	129	187966	54.58323 ppb		93
55)	1-Chlorohexane	18.11	91	380392	53.82433 ppb		96
56)	1,1,1,2-Tetrachloroethane	18.58	131	242905	50.71719 ppb		96
57)	m&p-Xylene	18.77	106	867143	107.27563 ppb		98
58)	o-Xylene	19.52	106	418565	51.63688 ppb		93
59)	Styrene	19.53	78	432895	50.20864 ppb		93
61)	2-Hexanone	16.51	43	212617	42.45705 ppb		87
62)	1,3-Dichloropropane	16.91	76	422181	51.48649 ppb		99
63)	Dibromochloromethane	17.40	129	288454	52.16976 ppb		95
64)	Chlorobenzene	18.53	112	665282	50.54590 ppb		95
65)	Ethylbenzene	18.64	91	1281539	53.43677 ppb		96
66)	Bromoform	20.06	173	166539	49.68715 ppb		98
68)	MIBK (methyl isobutyl keto	15.08	43	321677	44.62852 ppb		98
69)	Isopropylbenzene	20.15	105	1069912	52.99259 ppb		98
70)	1,1,2,2-Tetrachloroethane	20.31	83	281012	47.18320 ppb		97
71)	1,2,3-Trichloropropane	20.56	110	61600	48.49258 ppb		97
72)	t-1,4-Dichloro-2-Butene	20.63	53	85409	46.47239 ppb		99
73)	Bromobenzene	20.90	156	243621	47.28890 ppb		91
74)	n-Propylbenzene	20.86	91	1444105	53.64680 ppb		98
75)	2-Chlorotoluene	21.15	91	986065	53.58438 ppb		99
76)	1,3,5-Trimethylbenzene	21.13	105	902568	54.09371 ppb		99
77)	4-Chlorotoluene	21.23	91	737425	45.45423 ppb		97
78)	Tert-Butylbenzene	21.78	119	808680	51.86856 ppb		98
79)	1,2,4-Trimethylbenzene	21.84	105	847006	49.73673 ppb		98
80)	Sec-Butylbenzene	22.18	105	1160049	53.48817 ppb		97
81)	p-Isopropyltoluene	22.39	119	825975	49.44794 ppb		100
82)	Benzyl Chloride	22.83	91	376690	39.02749 ppb		96
83)	1,3-DCB	22.54	146	420416	47.85082 ppb		96
84)	1,4-DCB	22.71	146	410437	46.19495 ppb		98
85)	n-Butylbenzene	23.09	91	897160	50.83819 ppb		98
86)	1,2-DCB	23.33	146	395545	49.13930 ppb		100
87)	1,2-Dibromo-3-chloropropan	24.53	155	35921	51.55985 ppb		75
88)	1,2,4-Trichlorobenzene	25.97	180	228769	43.48270 ppb		98
89)	Hexachlorobutadiene	26.21	225	170824	54.27756 ppb		91
90)	Naphthalene	26.31	128	501145	46.67934 ppb		100
91)	1,2,3-Trichlorobenzene	26.69	180	224049	52.24692 ppb		96

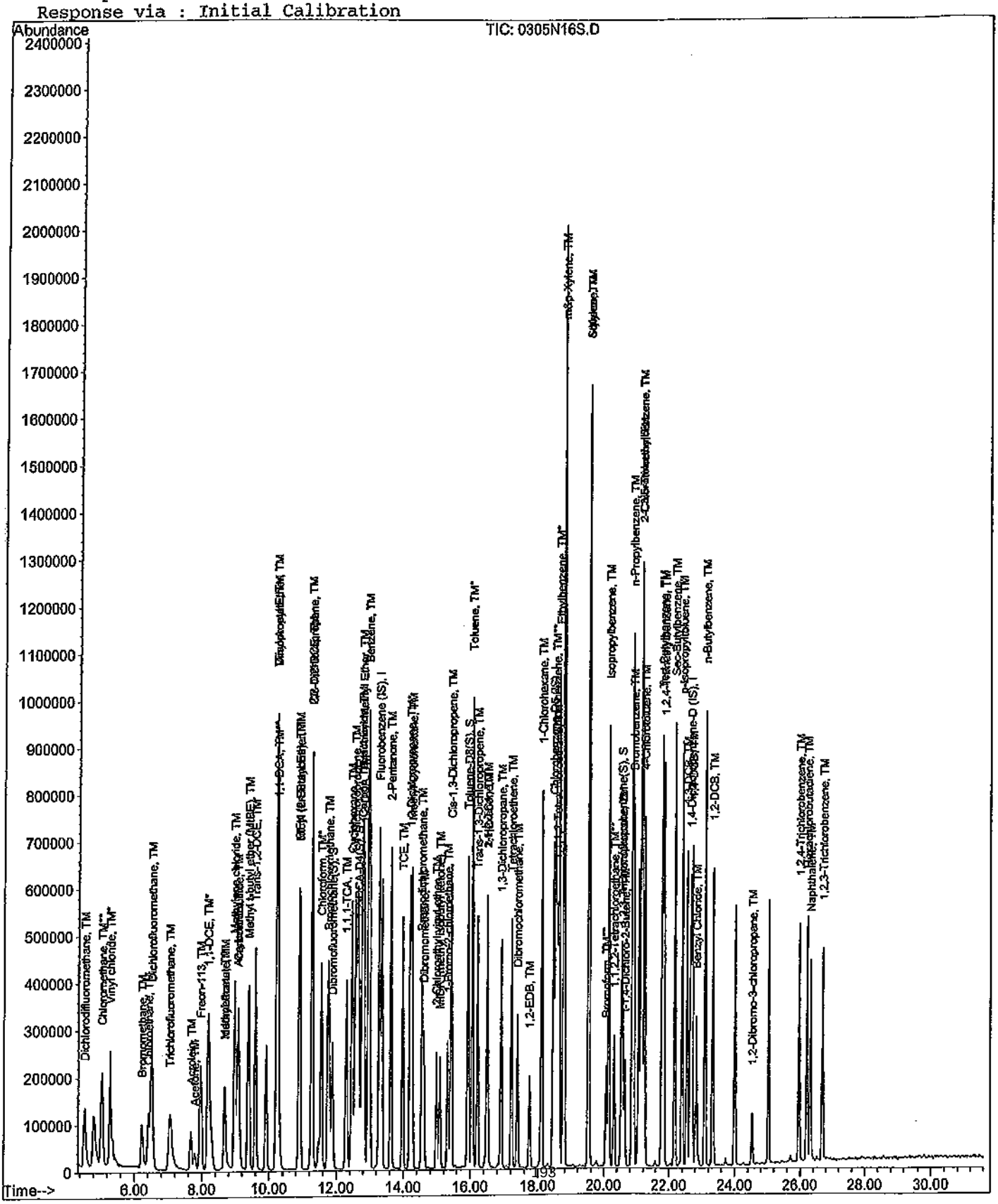
(#) = qualifier out of range (m) = manual integration
0305N16S.D NALLS.M Fri Mar 09 10:08:34 2012 Page 2

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N16S.D Vial: 1
Acq On : 5 Mar 12 20:24 Operator: SV,DG,RS
Sample : 120305A LCS-1SN (ss) Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 9:32 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N14S.D Vial: 1
Acq On : 5 Mar 12 19:08 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 9:20 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:19:39 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.29	96	297344	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.47	117	206720	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.66	152	81512	50.00000 ppb		0.01
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.88	111	211479	36.70390 ppb		0.00
Spiked Amount 41.312			Recovery = 88.847%			
34) 1,2-DCA-D4(S)	12.68	65	233251	37.32211 ppb		0.00
Spiked Amount 41.649			Recovery = 89.612%			
52) Toluene-D8(S)	15.94	98	641414	35.89887 ppb		0.00
Spiked Amount 35.274			Recovery = 101.771%			
60) 4-Bromofluorobenzene(S)	20.53	95	241816	38.14667 ppb		0.00
Spiked Amount 35.584			Recovery = 107.204%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.54	85	309898	56.15593 ppb		87
3) Chloromethane	5.04	50	541407	55.93229 ppb		94
4) Vinyl chloride	5.29	62	126560	57.02737 ppb		97
5) Bromomethane	6.23	94	157075	49.17286 ppb		97
6) Chloroethane	6.42	64	220988	56.22756 ppb		96
7) Dichlorofluoromethane	6.51	67	690320	53.64172 ppb		99
8) Trichlorofluoromethane	7.04	101	323841	59.30296 ppb		90
9) Acrolein	7.67	56	173280	229.63779 ppb		98
10) Acetone	7.79	43	99077	49.63087 ppb		100
11) Freon-113	7.97	101	213826	52.21340 ppb		92
12) 1,1-DCE	8.19	96	217541	53.84319 ppb		100
14) Methyl Acetate	8.68	43	303132	45.38328 ppb		95
15) Iodomethane	8.68	142	173539	53.97285 ppb		93
16) Acrylonitrile	9.06	53	95988	47.85382 ppb		100
17) Methylene chloride	8.98	86	192407	52.27106 ppb		94
18) Carbon disulfide	9.09	76	905872	49.71727 ppb		94
19) Methyl t-butyl ether (MtBE	9.39	73	690420	47.36200 ppb		97
20) Trans-1,2-DCE	9.59	96	272807	51.97394 ppb		91
21) Diisopropyl Ether	10.22	45	1304007	48.54959 ppb		99
22) 1,1-DCA	10.27	63	585546	50.88154 ppb		99
23) Vinyl Acetate	10.23	43	1038862	48.82965 ppb		98
24) Ethyl tert Butyl Ether	10.91	59	950630	48.07565 ppb		100
25) MEK (2-Butanone)	10.89	43	229638	47.41261 ppb	#	88
26) Cis-1,2-DCE	11.28	96	302224	51.20142 ppb		97
27) 2,2-Dichloropropane	11.28	77	403175	51.18750 ppb		95
28) Chloroform	11.56	83	494371	48.85440 ppb		100
29) Bromochloromethane	11.79	128	102888	49.98748 ppb		94
31) 1,1,1-TCA	12.30	97	391858	53.77953 ppb		95
32) Cyclohexane	12.46	56	449523	53.71039 ppb		99
33) 1,1-Dichloropropene	12.56	75	373010	53.38584 ppb		97
35) Carbon Tetrachloride	12.76	117	305489	57.42247 ppb		98
36) Tert Amyl Methyl Ether	12.79	73	765918	49.19772 ppb		98
37) 1,2-DCA	12.83	62	372713	49.31099 ppb		98
38) Benzene	12.96	78	1116456	50.16626 ppb		96
39) TCE	13.98	95	265435	52.00434 ppb		94
40) 2-Pentanone	13.63	43	1280399	239.32853 ppb		99
41) 1,2-Dichloropropane	14.21	63	333114	50.08860 ppb		99
42) Bromodichloromethane	14.55	83	383448	49.71921 ppb		99
43) Dibromomethane	14.62	93	167734	47.50320 ppb		96
44) Methyl Cyclohexane	14.26	83	359552	55.13670 ppb		89
45) 2-Chloroethyl vinyl ether	14.98	63	162674	49.94505 ppb		95

(#) = qualifier out of range (m) = manual integration
0305N14S.D NALLS.M Fri Mar 09 10:08:32 2012 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N14S.D Vial: 1
Acq On : 5 Mar 12 19:08 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 9:20 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:19:39 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.32	63	375229	49.02224 ppb		97
47)	Cis-1,3-Dichloropropene	15.43	75	471465	49.05321 ppb		96
48)	Toluene	16.07	91	1118543	53.40727 ppb		96
49)	Trans-1,3-Dichloropropene	16.22	75	396003	49.25966 ppb		97
50)	1,1,2-TCA	16.50	83	183305	50.34957 ppb		98
53)	1,2-EDB	17.76	107	215600	46.44484 ppb	#	91
54)	Tetrachloroethene	17.22	129	163331	48.04623 ppb		98
55)	1-Chlorohexane	18.11	91	352290	50.49616 ppb		96
56)	1,1,1,2-Tetrachloroethane	18.59	131	228867	48.40750 ppb		87
57)	m&p-Xylene	18.77	106	809260	101.41663 ppb		99
58)	o-Xylene	19.52	106	404123	50.50350 ppb		94
59)	Styrene	19.54	78	427062	50.17618 ppb		96
61)	2-Hexanone	16.52	43	217171	43.93033 ppb		94
62)	1,3-Dichloropropane	16.91	76	376540	46.51752 ppb		95
63)	Dibromochloromethane	17.39	129	259926	47.62146 ppb		99
64)	Chlorobenzene	18.53	112	642119	49.42042 ppb		98
65)	Ethylbenzene	18.63	91	1221035	51.57596 ppb		96
66)	Bromoform	20.07	173	163300	49.35431 ppb		94
68)	MIBK (methyl isobutyl keto	15.09	43	313917	46.74918 ppb		96
69)	Isopropylbenzene	20.15	105	1021182	54.29213 ppb		99
70)	1,1,2,2-Tetrachloroethane	20.31	83	273670	49.32378 ppb		95
71)	1,2,3-Trichloropropane	20.56	110	58806	49.70088 ppb		81
72)	t-1,4-Dichloro-2-Butene	20.63	53	84570	49.39402 ppb		91
73)	Bromobenzene	20.90	156	245181	51.08554 ppb		91
74)	n-Propylbenzene	20.86	91	1337504	53.33433 ppb		100
75)	2-Chlorotoluene	21.16	91	890930	51.96882 ppb		95
76)	1,3,5-Trimethylbenzene	21.13	105	805914	51.84683 ppb		100
77)	4-Chlorotoluene	21.24	91	744504	49.25951 ppb		96
78)	Tert-Butylbenzene	21.78	119	782210	53.85394 ppb		97
79)	1,2,4-Trimethylbenzene	21.84	105	836613	52.73294 ppb		97
80)	Sec-Butylbenzene	22.18	105	1108668	54.87184 ppb		99
81)	p-Isopropyltoluene	22.39	119	836445	53.75085 ppb		97
82)	Benzyl Chloride	22.83	91	401113	44.60874 ppb		96
83)	1,3-DCB	22.54	146	417245	50.97626 ppb		95
84)	1,4-DCB	22.71	146	388005	46.87616 ppb		98
85)	n-Butylbenzene	23.09	91	885526	53.86271 ppb		100
86)	1,2-DCB	23.33	146	383200	51.10051 ppb		96
87)	1,2-Dibromo-3-chloropropan	24.54	155	35327	54.42978 ppb		83
88)	1,2,4-Trichlorobenzene	25.97	180	237319	48.41930 ppb		97
89)	Hexachlorobutadiene	26.21	225	162398	55.38839 ppb		90
90)	Naphthalene	26.32	128	495426	49.53438 ppb		97
91)	1,2,3-Trichlorobenzene	26.68	180	216798	54.32051 ppb		98

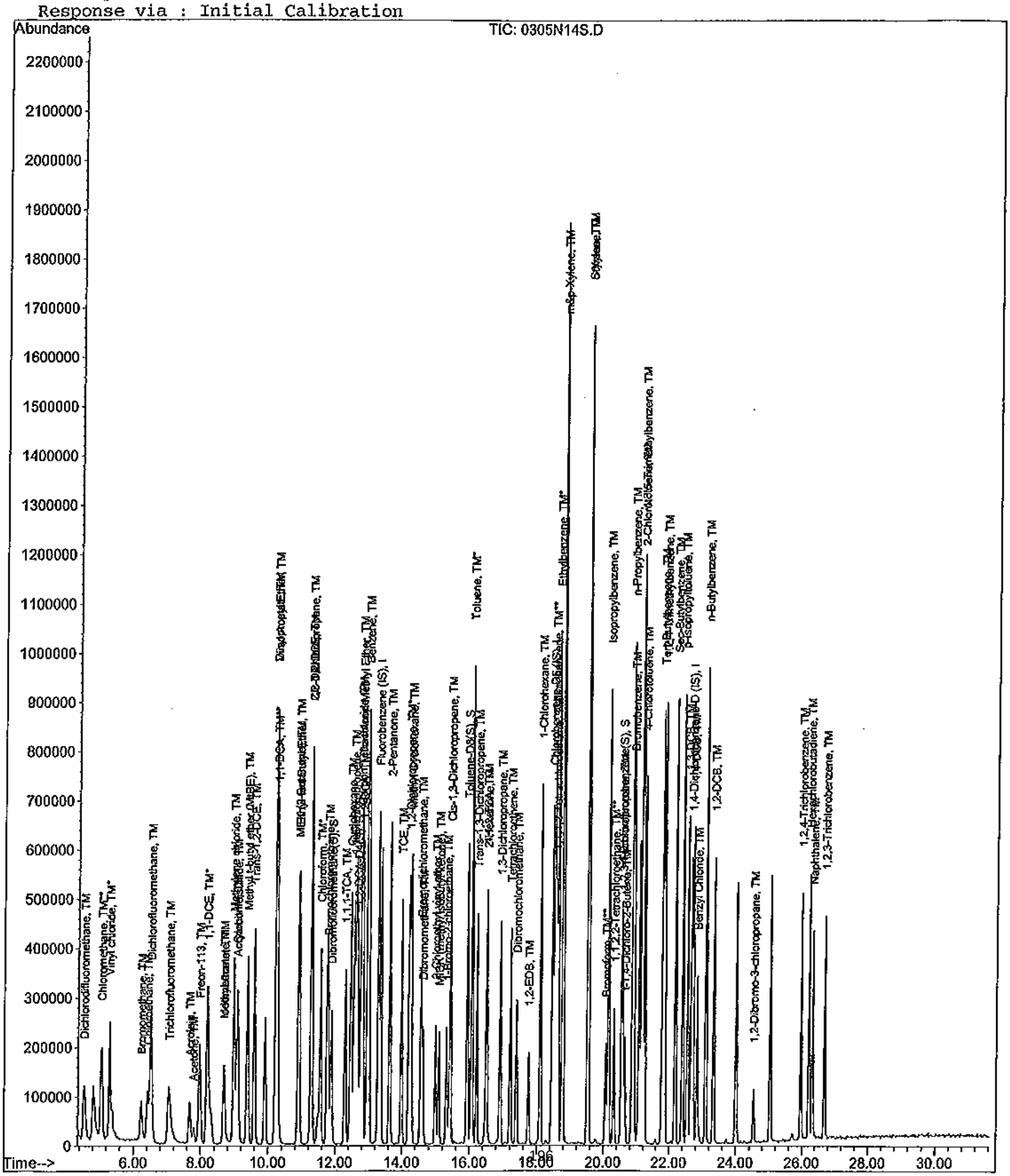
(#) = qualifier out of range (m) = manual integration
0305N14S.D NALLS.M Fri Mar 09 10:08:32 2012 Page 2

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N14S.D Vial: 1
Acq On : 5 Mar 12 19:08 Operator: SV,DG,RS
Sample : 50ug/kg Vol Std 03-05-12 Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 9:20 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



EPA METHOD 8260B
Volatile Organic Compounds
Raw Data

APPL, INC.

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0302S06W.D
Acq On : 2 Mar 12 12:58
Sample : 120302A BLK-1WS
Misc : Water 10mL w/IS:02-17-12

Vial: 7
Operator: DG,SV,RS
Inst : Sweetpea
Multiplr: 1.00

Quant Time: Mar 7 8:02 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.75	96	267712	25.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	14.79	117	191040	25.00000 ppb	-0.02
70) 1,4-Dichlorobenzene-D (IS)	18.88	152	99384	25.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	8.38	111	163826	20.34840 ppb	-0.02
Spiked Amount 20.857			Recovery =	97.558%	
36) 1,2-DCA-D4(S)	9.16	65	113359	20.39010 ppb	-0.02
Spiked Amount 20.981			Recovery =	97.183%	
56) Toluene-D8(S)	12.34	98	576918	21.22446 ppb	0.00
Spiked Amount 21.584			Recovery =	98.333%	
64) 4-Bromofluorobenzene(S)	16.84	95	182189	20.29801 ppb	0.00
Spiked Amount 21.472			Recovery =	94.532%	

Target Compounds Qvalue

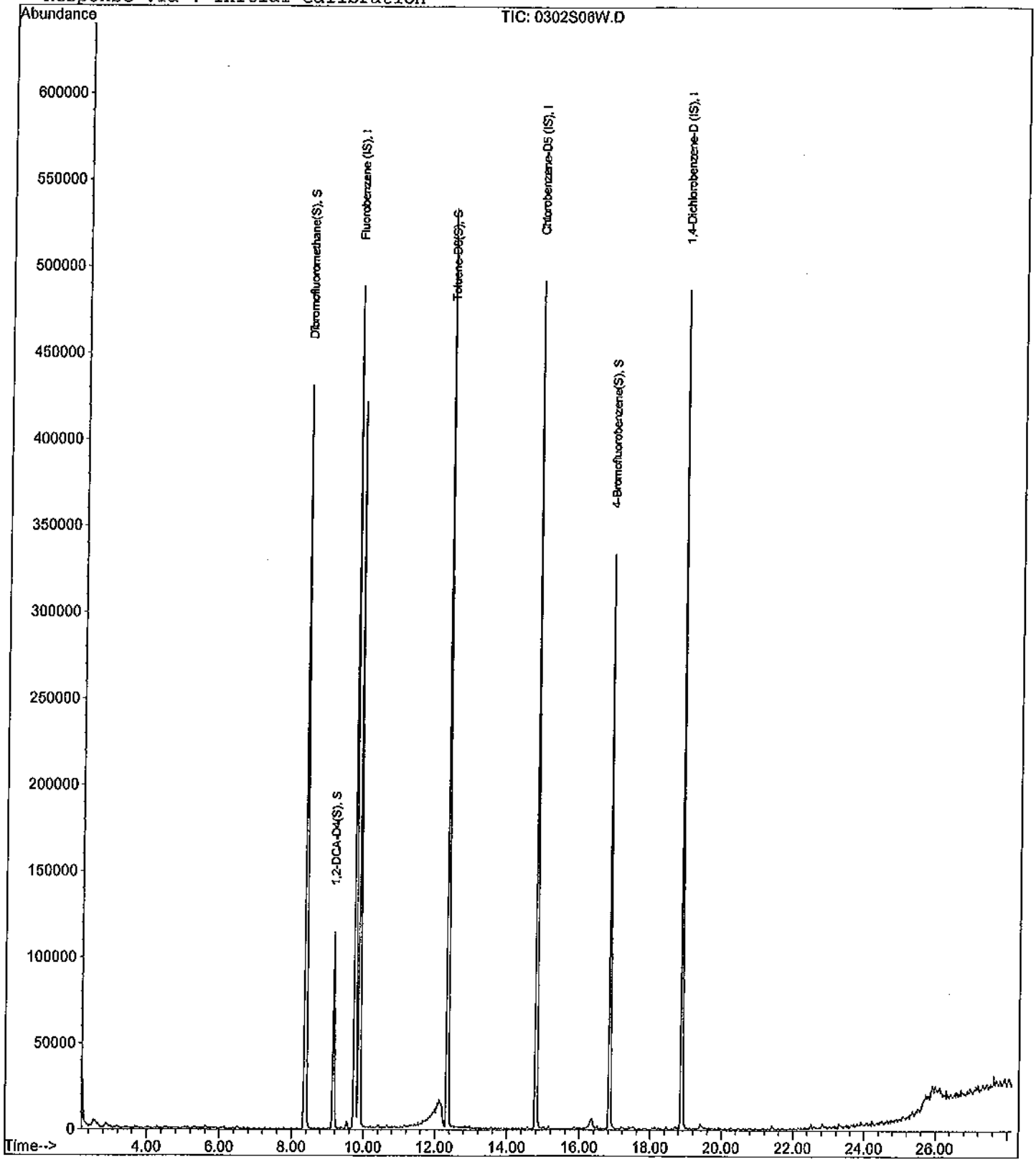
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S120229\0302S06W.D Vial: 7
Acq On : 2 Mar 12 12:58 Operator: DG,SV,RS
Sample : 120302A BLK-1WS Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:02 2012 Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120305\0305N19S.D Vial: 1
Acq On : 5 Mar 12 22:19 Operator: SV,DG,RS
Sample : 120305A BLK-1SN Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 10:06 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.29	96	326784	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.45	117	216448	50.00000 ppb	-0.01
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	97616	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.88	111	238379	37.64536 ppb	0.00
Spiked Amount 41.312			Recovery = 91.125%		
34) 1,2-DCA-D4(S)	12.68	65	260844	37.97711 ppb	0.00
Spiked Amount 41.649			Recovery = 91.185%		
52) Toluene-D8(S)	15.93	98	707482	37.81696 ppb	0.00
Spiked Amount 35.274			Recovery = 107.208%		
60) 4-Bromofluorobenzene(S)	20.52	95	244327	36.78762 ppb	0.00
Spiked Amount 35.584			Recovery = 103.385%		
Target Compounds					Qvalue
17) Methylene chloride	8.98	86	9258	1.49648 ppb /	81
57) m&p-Xylene	18.77	106	3656	0.43758 ppb /	79

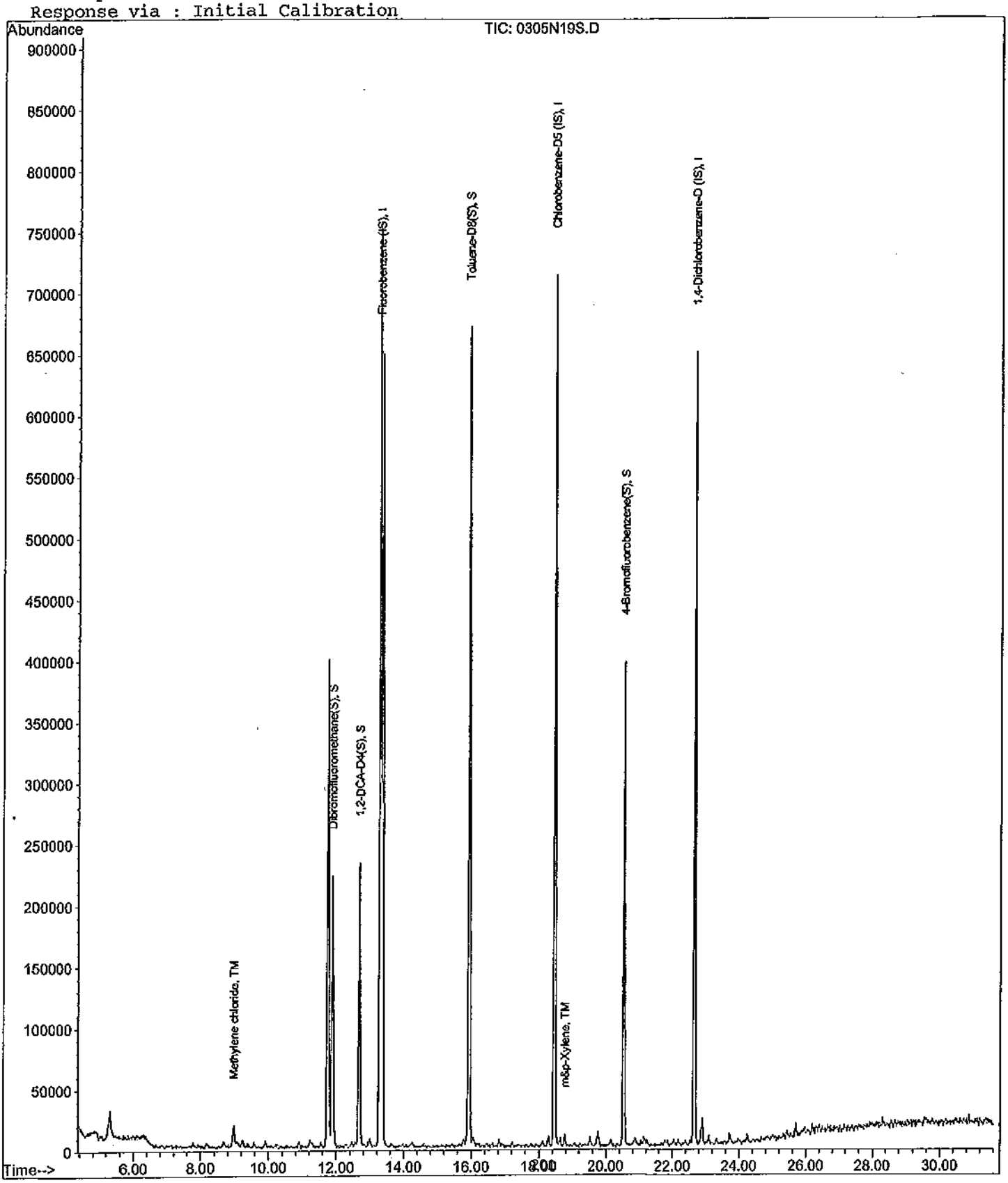
< RL
< RL
HWS 3/9/12

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N19S.D Vial: 1
Acq On : 5 Mar 12 22:19 Operator: SV,DG,RS
Sample : 120305A BLK-1SN Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 10:06 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N16S.D Vial: 1
Acq On : 5 Mar 12 20:24 Operator: SV,DG,RS
Sample : 120305A LCS-1SN (ss) Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 9:32 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	13.29	96	321344	50.00000 ppb		0.00
51) Chlorobenzene-D5 (IS)	18.46	117	209408	50.00000 ppb		0.00
67) 1,4-Dichlorobenzene-D (IS)	22.65	152	87496	50.00000 ppb		0.00
System Monitoring Compounds						
30) Dibromofluoromethane(S)	11.88	111	224234	36.01102 ppb		0.00
Spiked Amount 41.312			Recovery	= 87.169%		
34) 1,2-DCA-D4(S)	12.67	65	245270	36.31417 ppb		0.00
Spiked Amount 41.649			Recovery	= 87.192%		
52) Toluene-D8(S)	15.93	98	675554	37.32430 ppb		0.00
Spiked Amount 35.274			Recovery	= 105.811%		
60) 4-Bromofluorobenzene(S)	20.53	95	230123	35.79651 ppb		0.00
Spiked Amount 35.584			Recovery	= 100.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.54	85	335455	56.24657 ppb		87
3) Chloromethane	5.05	50	589631	56.38814 ppb		97
4) Vinyl chloride	5.29	62	126912	52.91497 ppb		100
5) Bromomethane	6.21	94	186170	53.74456 ppb		90
6) Chloroethane	6.42	64	248444	58.49311 ppb		93
7) Dichlorofluoromethane	6.51	67	766843	55.13758 ppb		98
8) Trichlorofluoromethane	7.05	101	340253	57.66144 ppb		100
9) Acrolein	7.67	56	175240	214.89046 ppb		94
10) Acetone	7.79	43	103272	47.43526 ppb		89
11) Freon-113	7.97	101	243228	54.86887 ppb		97
12) 1,1-DCE	8.19	96	245234	56.16417 ppb		92
14) Methyl Acetate	8.68	43	324525	44.85377 ppb		99
15) Iodomethane	8.69	142	203038	58.35031 ppb	#	93
16) Acrylonitrile	9.06	53	97677	45.05894 ppb		81
17) Methylene chloride	8.97	86	208087	52.30935 ppb		98
18) Carbon disulfide	9.08	76	983525	49.94762 ppb		96
19) Methyl t-butyl ether (MtBE	9.39	73	742651	47.14009 ppb		97
20) Trans-1,2-DCE	9.59	96	305791	53.90683 ppb		93
21) Diisopropyl Ether	10.22	45	1474089	50.78299 ppb		99
22) 1,1-DCA	10.27	63	658936	52.98238 ppb		99
23) Vinyl Acetate	10.22	43	1115657	48.52275 ppb		97
24) Ethyl tert Butyl Ether	10.91	59	1066830	49.92267 ppb		95
25) MEK (2-Butanone)	10.90	43	257024	49.24362 ppb		100
26) Cis-1,2-DCE	11.28	96	344420	53.99212 ppb		97
27) 2,2-Dichloropropane	11.27	77	454070	53.34357 ppb		100
28) Chloroform	11.56	83	568244	51.96064 ppb		97
29) Bromochloromethane	11.79	128	104068	46.78457 ppb		92
31) 1,1,1-TCA	12.30	97	459913	58.40539 ppb		93
32) Cyclohexane	12.46	56	515446	56.98736 ppb		97
33) 1,1-Dichloropropene	12.56	75	418844	55.46856 ppb		93
35) Carbon Tetrachloride	12.76	117	346583	57.80661 ppb		98
36) Tert Amyl Methyl Ether	12.79	73	816710	48.54221 ppb		96
37) 1,2-DCA	12.83	62	401913	49.20284 ppb		99
38) Benzene	12.96	78	1242802	51.67268 ppb		97
39) TCE	13.98	95	294836	53.45039 ppb		92
40) 2-Pentanone	13.63	43	1296770	224.28545 ppb		100
41) 1,2-Dichloropropane	14.20	63	373089	51.90957 ppb		100
42) Bromodichloromethane	14.55	83	435736	52.27935 ppb		97
43) Dibromomethane	14.61	93	191968	50.30598 ppb		97
44) Methyl Cyclohexane	14.27	83	389031	55.19992 ppb		92
45) 2-Chloroethyl vinyl ether	14.98	63	167288	47.52565 ppb		98

$\frac{126912 \times 50}{321344 \times 0.3732} = 52.91$

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

Quantitation Report (Not Reviewed)

Data File : M:\NEO\DATA\N120305\0305N16S.D Vial: 1
Acq On : 5 Mar 12 20:24 Operator: SV,DG,RS
Sample : 120305A LCS-1SN (ss) Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 9:32 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1-Bromo-2-chloroethane	15.32	63	411148	49.70315 ppb		100
47)	Cis-1,3-Dichloropropene	15.43	75	530236	51.04770 ppb		97
48)	Toluene	16.06	91	1205585	53.26409 ppb		99
49)	Trans-1,3-Dichloropropene	16.21	75	438758	50.50182 ppb		96
50)	1,1,2-TCA	16.50	83	205180	52.14894 ppb		92
53)	1,2-EDB	17.76	107	229023	48.70315 ppb	#	92
54)	Tetrachloroethene	17.22	129	187966	54.58323 ppb		93
55)	1-Chlorohexane	18.11	91	380392	53.82433 ppb		96
56)	1,1,1,2-Tetrachloroethane	18.58	131	242905	50.71719 ppb		96
57)	m&p-Xylene	18.77	106	867143	107.27563 ppb		98
58)	o-Xylene	19.52	106	418565	51.63688 ppb		93
59)	Styrene	19.53	78	432895	50.20864 ppb		93
61)	2-Hexanone	16.51	43	212617	42.45705 ppb		87
62)	1,3-Dichloropropane	16.91	76	422181	51.48649 ppb		99
63)	Dibromochloromethane	17.40	129	288454	52.16976 ppb		95
64)	Chlorobenzene	18.53	112	665282	50.54590 ppb		95
65)	Ethylbenzene	18.64	91	1281539	53.43677 ppb		96
66)	Bromoform	20.06	173	166539	49.68715 ppb		98
68)	MIBK (methyl isobutyl keto	15.08	43	321677	44.62852 ppb		98
69)	Isopropylbenzene	20.15	105	1069912	52.99259 ppb		98
70)	1,1,2,2-Tetrachloroethane	20.31	83	281012	47.18320 ppb		97
71)	1,2,3-Trichloropropane	20.56	110	61600	48.49258 ppb		97
72)	t-1,4-Dichloro-2-Butene	20.63	53	85409	46.47239 ppb		99
73)	Bromobenzene	20.90	156	243621	47.28890 ppb		91
74)	n-Propylbenzene	20.86	91	1444105	53.64680 ppb		98
75)	2-Chlorotoluene	21.15	91	986065	53.58438 ppb		99
76)	1,3,5-Trimethylbenzene	21.13	105	902568	54.09371 ppb		99
77)	4-Chlorotoluene	21.23	91	737425	45.45423 ppb		97
78)	Tert-Butylbenzene	21.78	119	808680	51.86856 ppb		98
79)	1,2,4-Trimethylbenzene	21.84	105	847006	49.73673 ppb		98
80)	Sec-Butylbenzene	22.18	105	1160049	53.48817 ppb		97
81)	p-Isopropyltoluene	22.39	119	825975	49.44794 ppb		100
82)	Benzyl Chloride	22.83	91	376690	39.02749 ppb		96
83)	1,3-DCB	22.54	146	420416	47.85082 ppb		96
84)	1,4-DCB	22.71	146	410437	46.19495 ppb		98
85)	n-Butylbenzene	23.09	91	897160	50.83819 ppb		98
86)	1,2-DCB	23.33	146	395545	49.13930 ppb		100
87)	1,2-Dibromo-3-chloropropan	24.53	155	35921	51.55985 ppb		75
88)	1,2,4-Trichlorobenzene	25.97	180	228769	43.48270 ppb		98
89)	Hexachlorobutadiene	26.21	225	170824	54.27756 ppb		91
90)	Naphthalene	26.31	128	501145	46.67934 ppb		100
91)	1,2,3-Trichlorobenzene	26.69	180	224049	52.24692 ppb		96

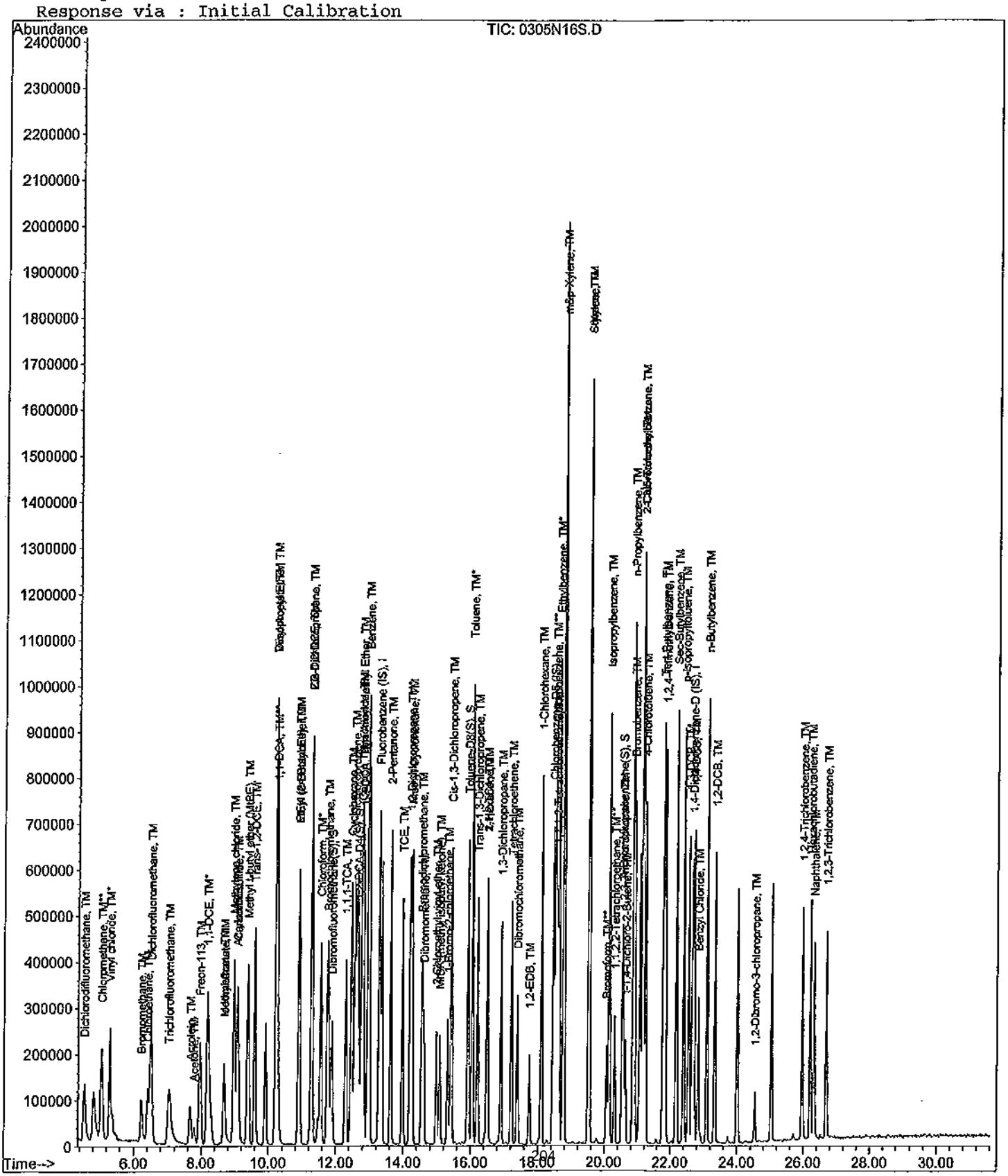
(#) = qualifier out of range (m) = manual integration
0305N16S.D NALLS.M Fri Mar 09 10:08:34 2012 Page 2

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N16S.D Vial: 1
Acq On : 5 Mar 12 20:24 Operator: SV,DG,RS
Sample : 120305A LCS-1SN (ss) Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 1.00

Quant Time: Mar 6 9:32 2012 Quant Results File: NALLS.RES

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0302S03W.D Vial: 3
Acq On : 2 Mar 12 11:07 Operator: DG,SV,RS
Sample : 120302A LCS-1WS Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 9:04 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Wed Mar 07 09:02:48 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.75	96	274816	25.00000 ppb	-0.01
55) Chlorobenzene-D5 (IS)	14.78	117	200768	25.00000 ppb	-0.02
70) 1,4-Dichlorobenzene-D (IS)	18.87	152	101808	25.00000 ppb	-0.01
System Monitoring Compounds					
31) Dibromofluoromethane(S)	8.37	111	164731	19.93189 ppb	-0.02
Spiked Amount 20.857			Recovery =	95.564%	
36) 1,2-DCA-D4(S)	9.15	65	113582	19.90209 ppb	-0.02
Spiked Amount 20.981			Recovery =	94.857%	
56) Toluene-D8(S)	12.34	98	591204	20.69616 ppb	-0.01
Spiked Amount 21.584			Recovery =	95.887%	
64) 4-Bromofluorobenzene(S)	16.83	95	192306	20.38703 ppb	-0.01
Spiked Amount 21.472			Recovery =	94.947%	

$\frac{36552 \times 25}{274816 \times 0.1002} = 8.30868$

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.45	85	40696	10.24523 ppb	95
3) Freon 114	2.60	85	74246	10.76379 ppb	95
4) Chloromethane	2.73	50	45040	8.05834 ppb	94
5) Vinyl chloride	2.88	62	36552	8.30859 ppb	96
6) Bromomethane	3.44	94	21944	9.79600 ppb	97
7) Chloroethane	3.56	64	67271	10.23673 ppb	90
8) Dichlorofluoromethane	3.64	67	206867	11.62427 ppb	97
9) Trichlorofluoromethane	4.02	101	115947	10.08701 ppb	98
10) Acrolein	4.50	56	16984	131.33787 ppb	90
11) Acetone	4.62	43	2556	12.53202 ppb	93
12) Freon-113	4.77	101	74989	10.71065 ppb	93
13) 1,1-DCE	4.93	96	89598	11.20166 ppb	92
14) t-Butanol	5.04	59	6703	137.04999 ppb	95
15) Methyl Acetate	5.41	43	28012	9.45118 ppb	88
16) Iodomethane	5.32	142	107560	10.63028 ppb	95
17) Acrylonitrile	5.73	53	12537	11.90656 ppb	96
18) Methylene chloride	5.63	84	97638	11.46799 ppb	97
19) Carbon disulfide	5.64	76	89664	11.13878 ppb	96
20) Methyl t-butyl ether (MtBE	6.02	73	126469	10.41812 ppb	95
21) Trans-1,2-DCE	6.19	96	102985	10.67488 ppb	97
22) Diisopropyl Ether	6.84	45	285133	10.73847 ppb	95
23) 1,1-DCA	6.82	63	175654	10.69626 ppb	98
24) Vinyl Acetate	6.86	43	142866	11.41840 ppb	98
25) Ethyl tert Butyl Ether	7.51	59	185152	10.87877 ppb	93
26) MEK (2-Butanone)	7.48	43	26784	10.33200 ppb	93
27) Cis-1,2-DCE	7.79	96	109029	11.18648 ppb	95
28) 2,2-Dichloropropane	7.79	77	131961	11.80884 ppb	98
29) Chloroform	8.05	83	155215	9.97364 ppb	99
30) Bromochloromethane	8.27	128	33594	11.42443 ppb	94
32) 1,1,1-TCA	8.76	97	133063	10.84446 ppb	91
33) Cyclohexane	8.89	56	150454	11.39514 ppb	98
34) 1,1-Dichloropropene	9.03	75	130300	11.15374 ppb	96
35) 2,2,4-Trimethylpentane	9.12	57	247351	11.03799 ppb	100
37) Carbon Tetrachloride	9.18	117	107496	11.28415 ppb	96
38) Tert Amyl Methyl Ether	9.31	73	158250	10.56714 ppb #	96
39) 1,2-DCA	9.30	62	73205	10.23835 ppb	94
40) Benzene	9.38	78	415484	10.63290 ppb	97
41) TCE	10.41	95	93767	10.08123 ppb	96
42) 2-Pentanone	10.16	43	288268	128.51785 ppb	99

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0302S03W.D Vial: 3
Acq On : 2 Mar 12 11:07 Operator: DG,SV,RS
Sample : 120302A LCS-1WS Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 9:04 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Wed Mar 07 09:02:48 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	10.63	63	87230	10.53333 ppb	#	94
44)	Bromodichloromethane	10.97	83	103601	10.66784 ppb		94
45)	Methyl Cyclohexane	10.66	83	128815	10.80642 ppb		97
46)	Dibromomethane	11.01	93	35806	10.14848 ppb	#	79
47)	2-Chloroethyl vinyl ether	11.72	106	914	11.09131 ppb		32
48)	MIBK (methyl isobutyl ket	11.62	43	28924	9.46844 ppb	#	96
49)	1-Bromo-2-chloroethane	11.71	63	82094	10.87337 ppb		98
50)	Cis-1,3-Dichloropropene	11.88	75	129258	10.62451 ppb		99
51)	Toluene	12.46	91	374140	10.67999 ppb		99
52)	Trans-1,3-Dichloropropene	12.68	75	89204	11.38537 ppb		99
53)	1,1,2-TCA	12.93	83	42205	10.18007 ppb		92
54)	2-Hexanone	13.03	43	18704	11.12980 ppb	#	74
57)	1,2-EDB	14.07	107	46810	10.00104 ppb	#	80
58)	Tetrachloroethene	13.57	166	103728	10.57021 ppb		93
59)	1-Chlorohexane	14.56	91	133665	11.06949 ppb		99
60)	1,1,1,2-Tetrachloroethane	14.93	131	79504	10.75918 ppb		88
61)	m&p-Xylene	15.14	106	340490	21.54541 ppb		100
62)	o-Xylene	15.85	106	163768	10.72985 ppb		93
63)	Styrene	15.88	104	256785	10.52149 ppb		98
65)	1,3-Dichloropropane	13.34	76	85124	10.69247 ppb		95
66)	Dibromochloromethane	13.73	129	65659	10.82765 ppb		95
67)	Chlorobenzene	14.85	112	238875	10.65889 ppb		99
68)	Ethylbenzene	14.99	91	423160	10.77088 ppb		93
69)	Bromoform	16.31	173	35339	10.70643 ppb		99
71)	Isopropylbenzene	16.50	105	384273	11.05514 ppb		97
72)	1,1,2,2-Tetrachloroethane	16.66	85	30586	10.84453 ppb		96
73)	1,2,3-Trichloropropane	16.91	110	10602	10.42813 ppb		87
74)	t-1,4-Dichloro-2-Butene	17.01	53	3475	10.22029 ppb		89
75)	Bromobenzene	17.13	156	97228	10.45248 ppb		94
76)	n-Propylbenzene	17.18	91	472790	10.77793 ppb		99
77)	4-Ethyltoluene	17.38	105	254979	10.41448 ppb		99
78)	2-Chlorotoluene	17.42	91	307402	10.41037 ppb		98
79)	1,3,5-Trimethylbenzene	17.46	105	298440	10.19733 ppb		90
80)	4-Chlorotoluene	17.51	91	265149	10.55341 ppb		98
81)	Tert-Butylbenzene	18.07	119	324229	10.53240 ppb		97
82)	1,2,4-Trimethylbenzene	18.12	105	299199	10.41386 ppb		95
83)	Sec-Butylbenzene	18.45	105	420295	10.50012 ppb		98
84)	p-Isopropyltoluene	18.69	119	341320	10.55419 ppb		94
85)	Benzyl Chloride	19.08	91	30984	11.01574 ppb		96
86)	1,3-DCB	18.75	146	184676	10.73835 ppb		98
87)	1,4-DCB	18.93	146	174752	10.33081 ppb		96
88)	n-Butylbenzene	19.40	91	294015	10.74841 ppb		93
89)	1,2-DCB	19.55	146	152208	10.75897 ppb		94
90)	Hexachloroethane	20.22	117	80184	10.79968 ppb		90
91)	1,2-Dibromo-3-chloropropan	20.84	157	8209	10.69887 ppb	#	77
92)	1,2,4-Trichlorobenzene	22.49	180	93431	11.09569 ppb		98
93)	Hexachlorobutadiene	22.82	225	23736	10.81724 ppb		88
94)	Naphthalene	22.86	128	48488	9.26706 ppb		100
95)	1,2,3-Trichlorobenzene	23.29	180	76846	10.45460 ppb		95

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

Quantitation Report

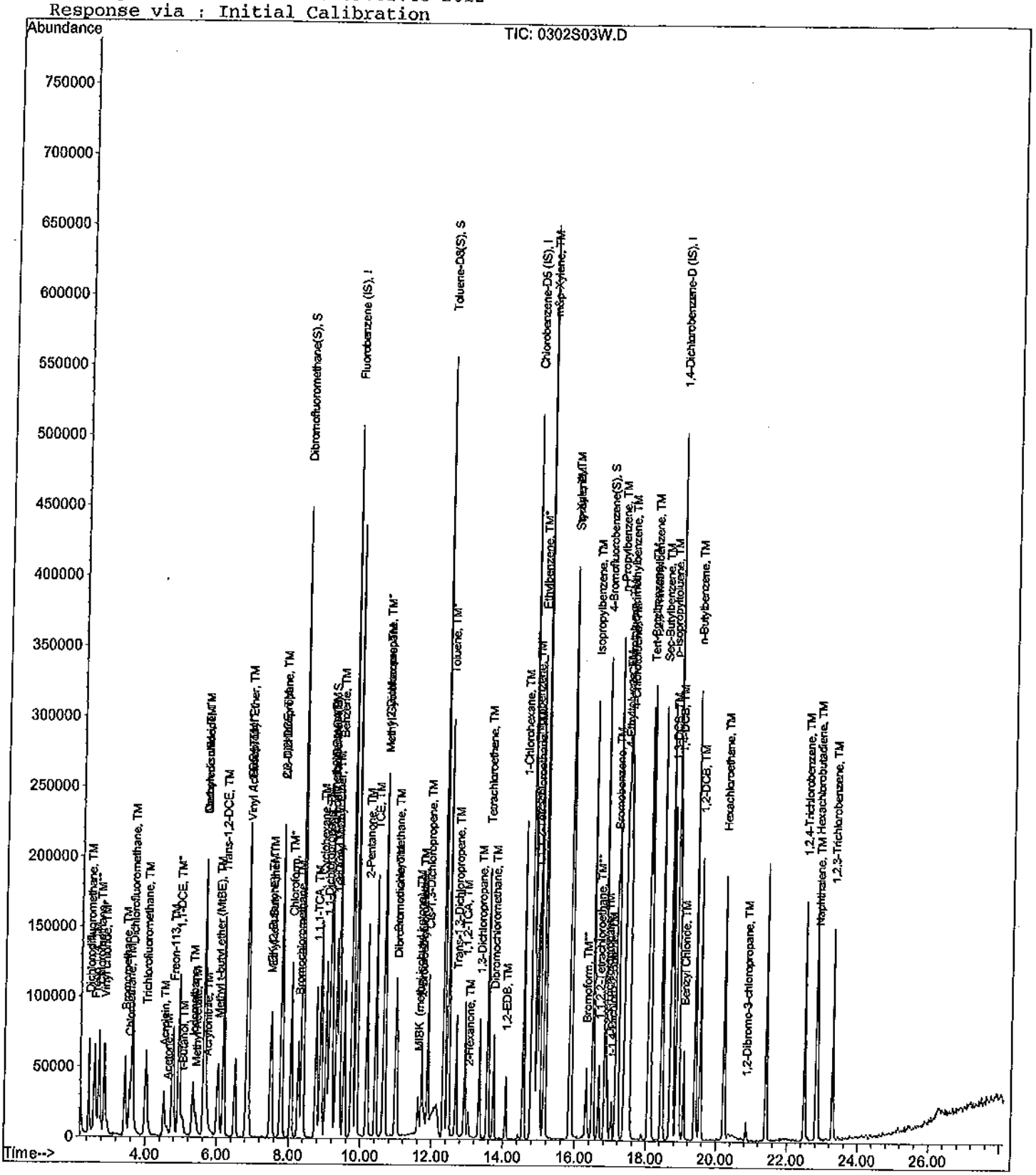
Data File : M:\SWEETPEA\DATA\S120229\0302S03W.D
Acq On : 2 Mar 12 11:07
Sample : 120302A LCS-1WS
Misc : Water 10mL w/IS:02-17-12

Vial: 3
Operator: DG,SV,RS
Inst : Sweetpea
Multiplr: 1.00

Quant Time: Mar 7 9:04 2012

Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Wed Mar 07 09:02:48 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S120229\0302S07W.D Vial: 8
Acq On : 2 Mar 12 13:35 Operator: DG,SV,RS
Sample : AY56026W02 Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:04 2012 Quant Results File: SALLRW.RES

Quant Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.75	96	269120	25.00000 ppb	-0.01
55) Chlorobenzene-D5 (IS)	14.79	117	196672	25.00000 ppb	-0.01
70) 1,4-Dichlorobenzene-D (IS)	18.88	152	94960	25.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	8.38	111	161868	20.00001 ppb	-0.01
Spiked Amount 20.857			Recovery = 95.890%		
36) 1,2-DCA-D4(S)	9.15	65	114771	20.53608 ppb	-0.02
Spiked Amount 20.981			Recovery = 97.879%		
56) Toluene-D8(S)	12.34	98	580584	20.74767 ppb	-0.01
Spiked Amount 21.584			Recovery = 96.128%		
64) 4-Bromofluorobenzene(S)	16.83	95	188076	20.35385 ppb	-0.01
Spiked Amount 21.472			Recovery = 94.793%		

Target Compounds Qvalue

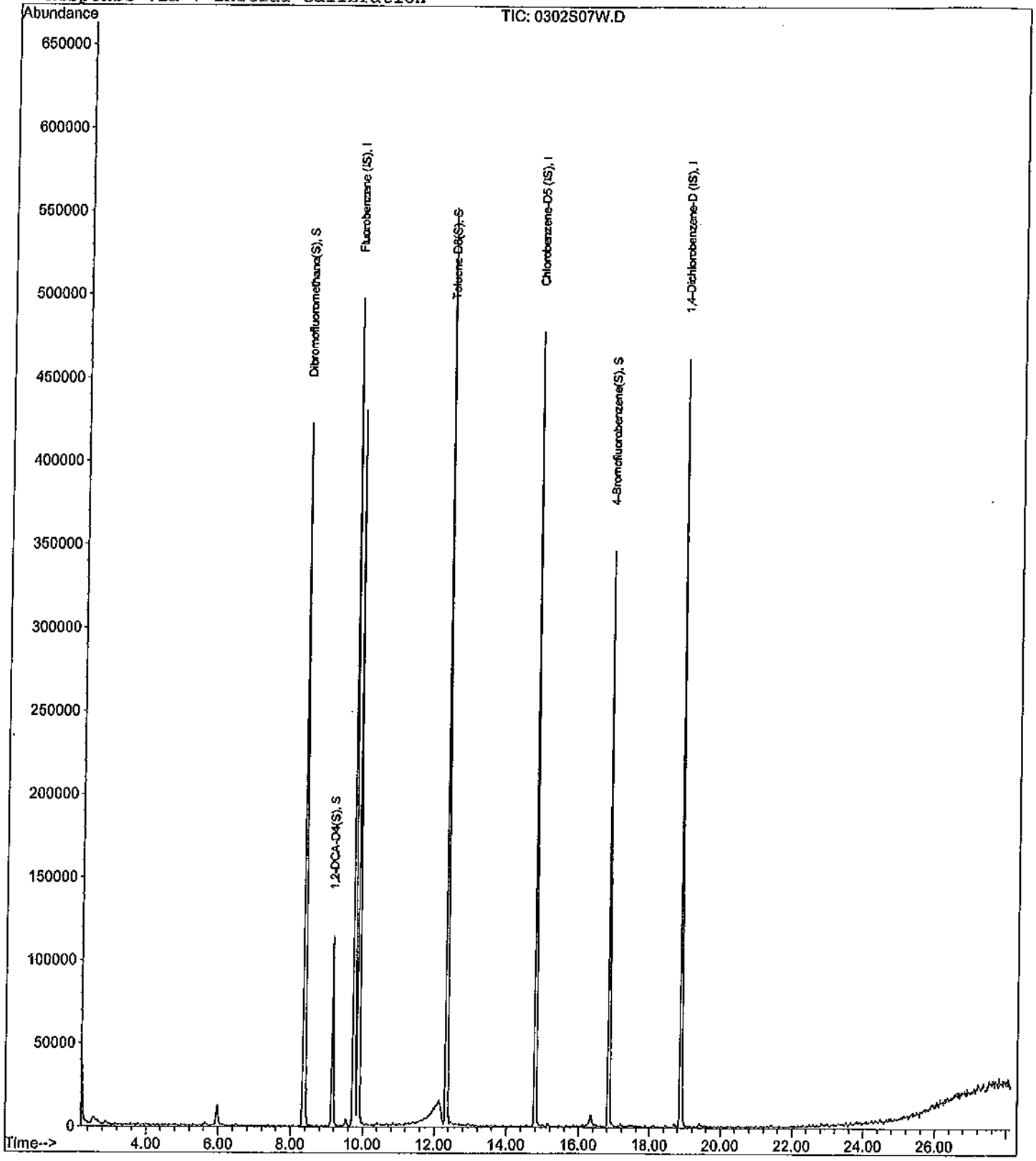
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S120229\0302S07W.D Vial: 8
Acq On : 2 Mar 12 13:35 Operator: DG,SV,RS
Sample : AY56026W02 Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Quant Time: Mar 7 8:04 2012 Quant Results File: SALLRW.RES

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Mon Mar 05 11:31:09 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\NEO\DATA\N120305\0305N20S.D Vial: 1
Acq On : 5 Mar 12 22:57 Operator: SV,DG,RS
Sample : AY56027S01 5.039 Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 0.99

Quant Time: Mar 6 10:17 2012 Quant Results File: NALLS.RES

Quant Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	13.28	96	263104	50.00000 ppb	0.00
51) Chlorobenzene-D5 (IS)	18.46	117	180416	50.00000 ppb	0.00
67) 1,4-Dichlorobenzene-D (IS)	22.64	152	68280	50.00000 ppb	0.00
System Monitoring Compounds					
30) Dibromofluoromethane(S)	11.89	111	198448	38.92454 ppb	0.00
Spiked Amount 41.312			Recovery = 94.223%		
34) 1,2-DCA-D4(S)	12.67	65	225012	40.68929 ppb	0.00
Spiked Amount 41.649			Recovery = 97.696%		
52) Toluene-D8(S)	15.93	98	598272	38.36617 ppb	0.00
Spiked Amount 35.274			Recovery = 108.765%		
60) 4-Bromofluorobenzene(S)	20.53	95	188209	33.94809 ppb	0.00
Spiked Amount 35.584			Recovery = 95.404%		
Target Compounds					Qvalue
17) Methylene chloride	8.97	86	5714	0.94644 ppb	# ✓ 49
57) m&p-Xylene	18.79	106	4765	0.67892 ppb	# ✓ 42

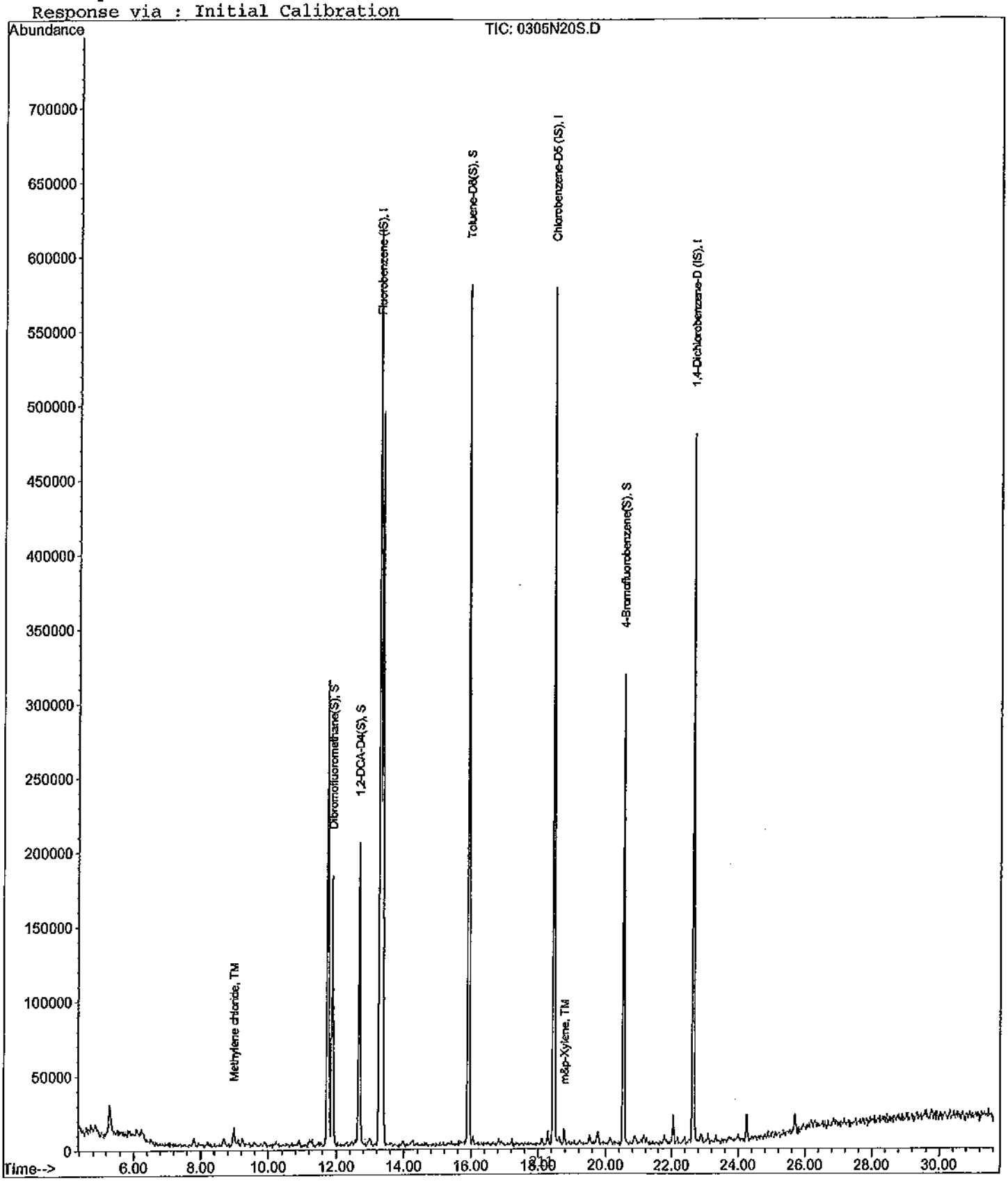
HW 3/9/12

Quantitation Report

Data File : M:\NEO\DATA\N120305\0305N20S.D Vial: 1
Acq On : 5 Mar 12 22:57 Operator: SV,DG,RS
Sample : AY56027S01 5.039 Inst : Neo
Misc : Soil 5mL w/IS&S:10-20-11 Multiplr: 0.99

Quant Time: Mar 6 10:17 2012 Quant Results File: NALLS.RES

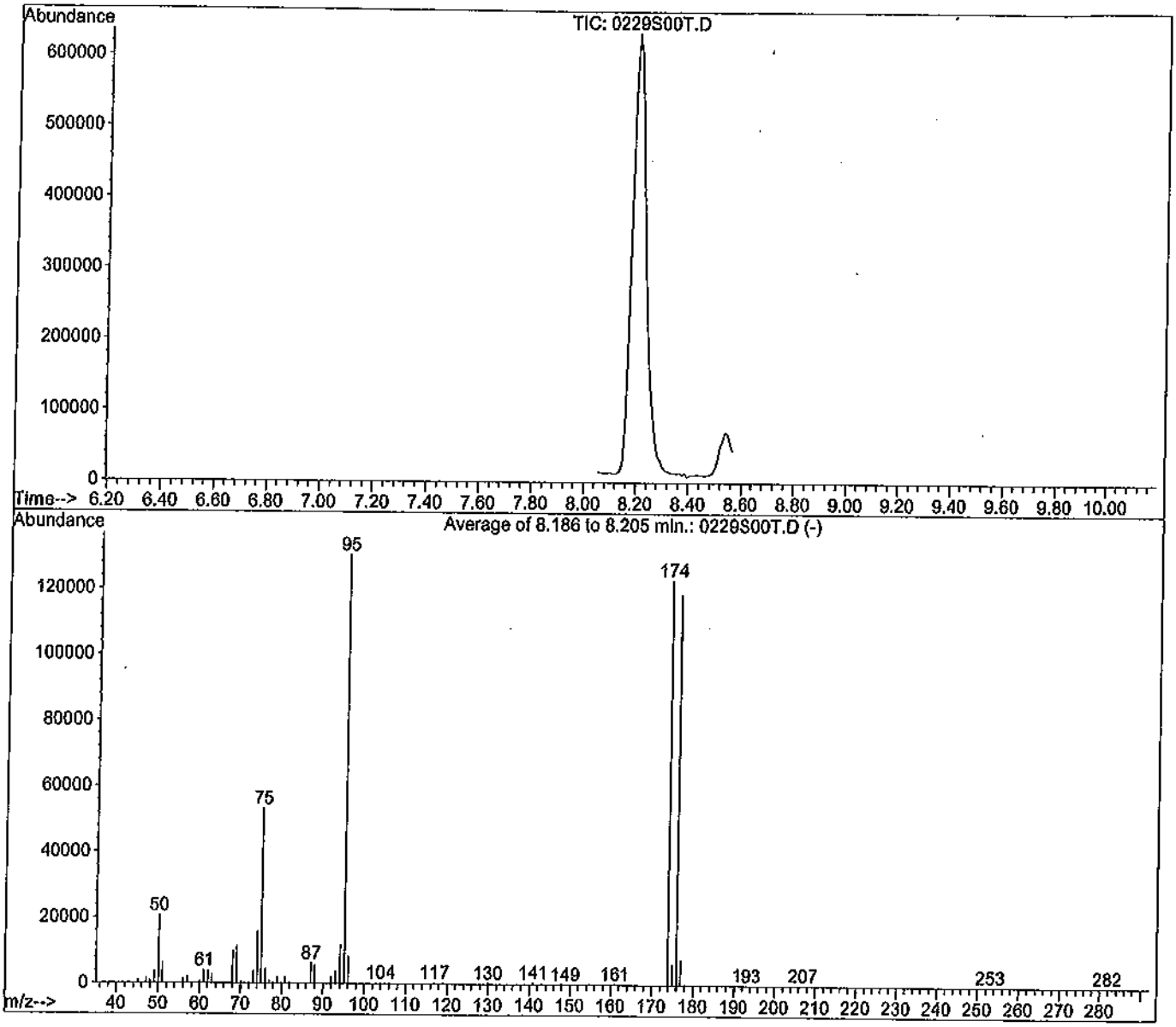
Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Mar 06 09:31:20 2012
Response via : Initial Calibration



Data File : M:\SWEETPEA\DATA\S120229\0229S00T.D
Acq On : 29 Feb 12 16:31
Sample : 25ug/mL BFB Std 11-16-11
Misc : 2uL

Vial: 1
Operator: DG,SV,RS
Inst : Sweetpea
Multiplr: 1.00

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260

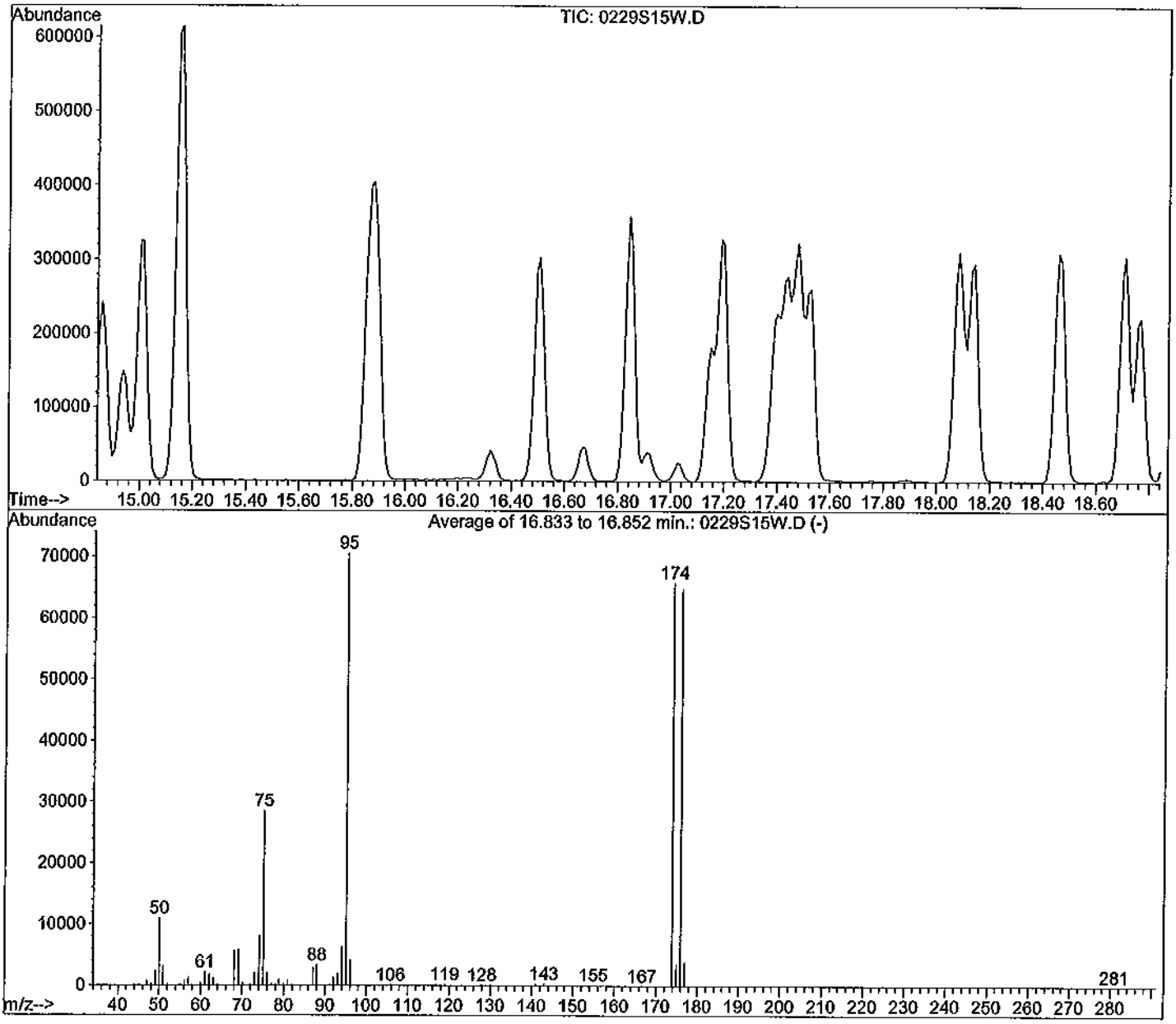


Spectrum Information: Average of 8.186 to 8.205 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.8	20643	PASS
75	95	30	60	40.9	53304	PASS
95	95	100	100	100.0	130403	PASS
96	95	5	9	6.5	8516	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	94.5	123235	PASS
175	174	5	9	5.0	6200	PASS
176	174	95	101	96.4	118768	PASS
177	176	5	9	6.6	7807	PASS

Data File : M:\SWEETPEA\DATA\S120229\0229S15W.D Vial: 15
Acq On : 1 Mar 12 2:04 Operator: DG,SV,RS
Sample : 25ug/mL BFB Std 11-16-11 Inst : Sweetpea
Misc : Water 10mL w/IS:02-17-12 Multiplr: 1.00

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260



AutoFind: Scans 1521, 1522, 1523; Background Corrected with Scan 1513

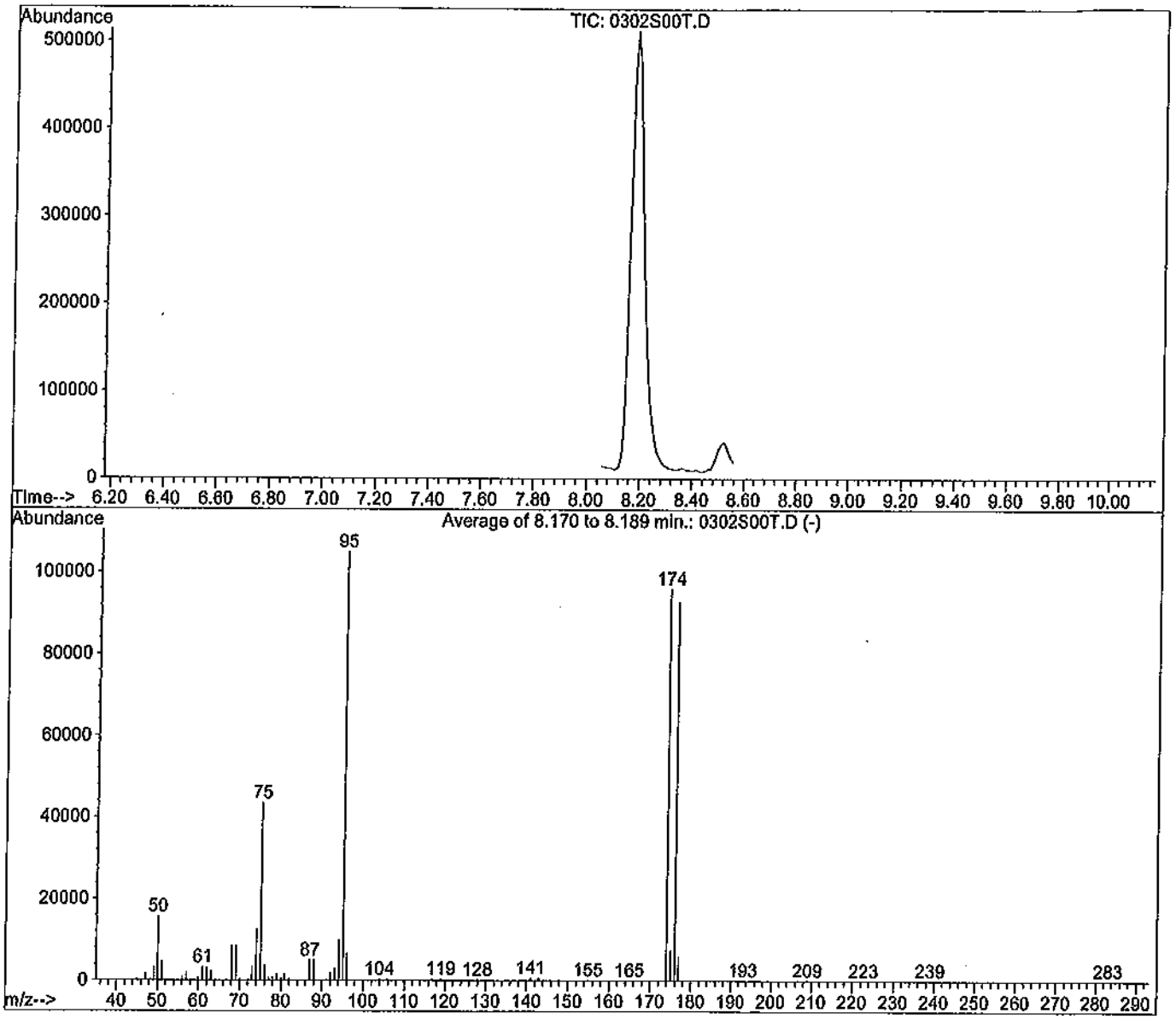
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.6	11030	PASS
75	95	30	60	40.5	28608	PASS
95	95	100	100	100.0	70611	PASS
96	95	5	9	6.0	4234	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	93.3	65899	PASS
175	174	5	9	5.5	3651	PASS
176	174	95	101	98.3	64811	PASS
177	176	5	9	6.0	3901	PASS

0229S15W.D SALLRW.M Fri Mar 09 15:24:43 2012

Data File : M:\SWEETPEA\DATA\S120229\0302S00T.D
Acq On : 2 Mar 12 9:21
Sample : 200ug/mL BFB Std 2-13-12
Misc : 2uL HW3PAIR

Vial: 1
Operator: DG,SV,RS
Inst : Sweetpea
Multiplr: 1.00

Method : M:\SWEETPEA\DATA\S120229\SALLRW.M (RTE Integrator)
Title : METHOD 8260



Spectrum Information: Average of 8.170 to 8.189 min.

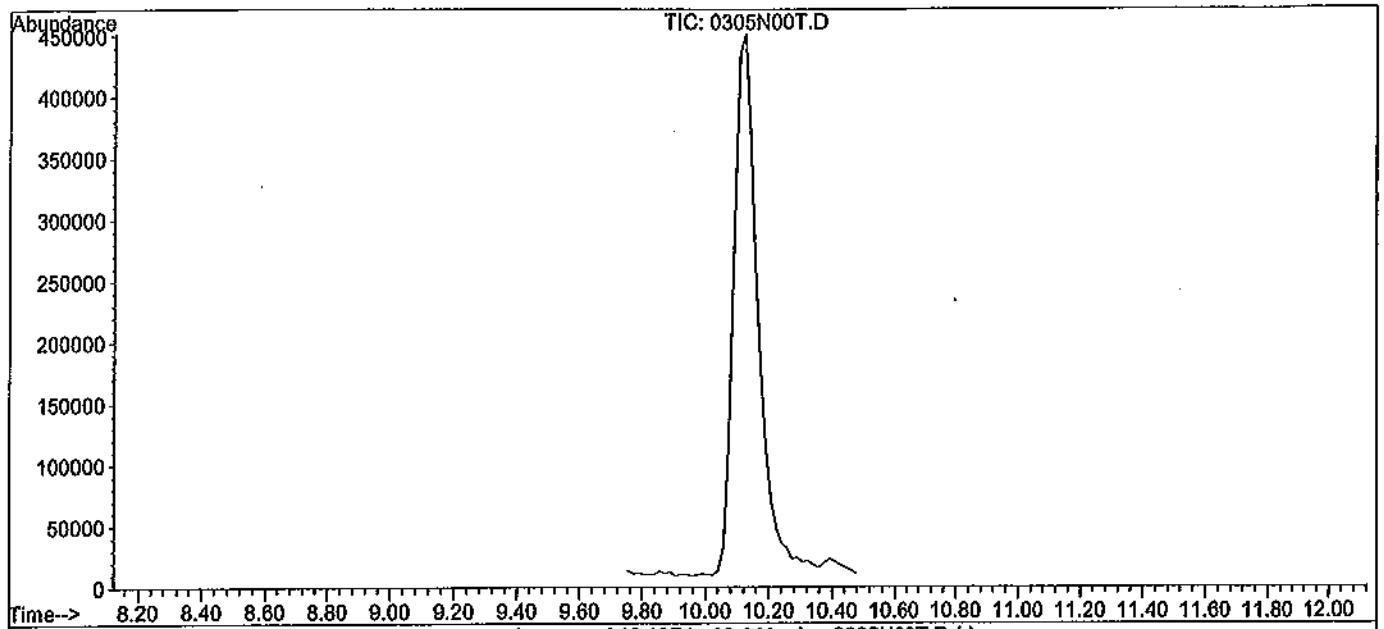
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	14.9	15658	PASS
75	95	30	60	41.5	43537	PASS
95	95	100	100	100.0	105011	PASS
96	95	5	9	6.4	6753	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.5	96099	PASS
175	174	5	9	7.7	7425	PASS
176	174	95	101	96.7	92883	PASS
177	176	5	9	6.4	5982	PASS

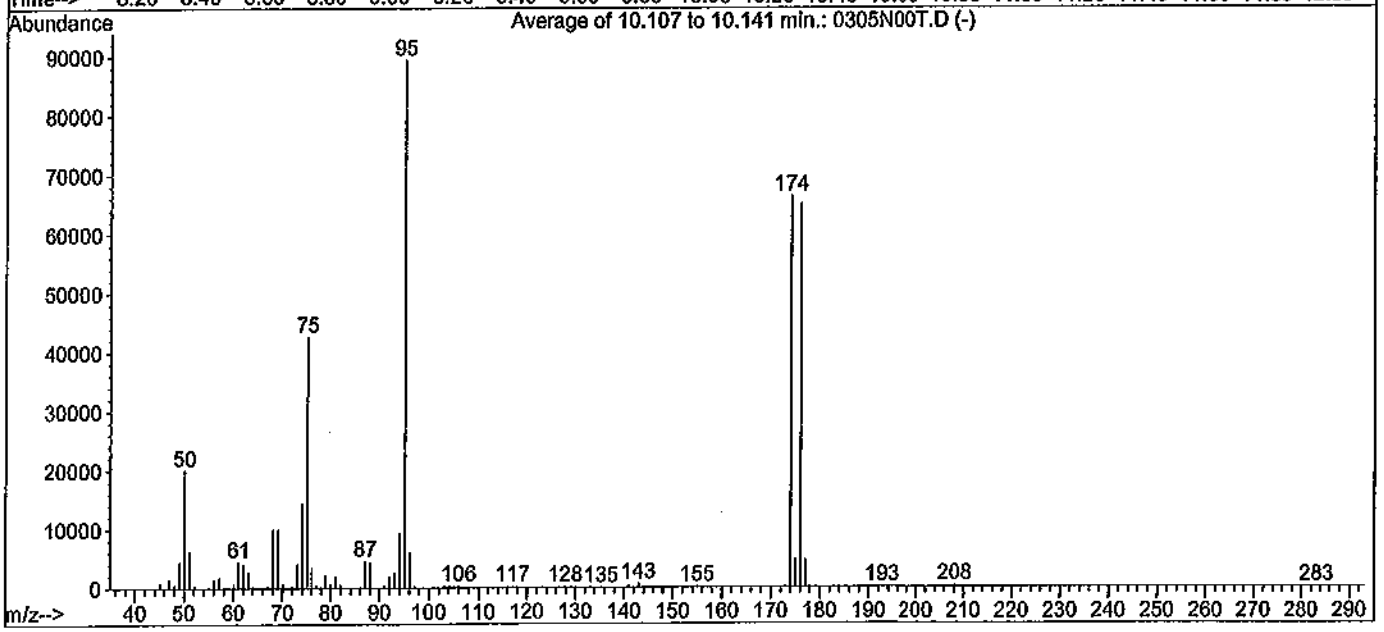
BFB

Data File : M:\NEO\DATA\N120305\0305N00T.D
Acq On : 5 Mar 12 10:17
Sample : 25ug/mL BFB Std 2-13-12
Misc : 2uL

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B





AutoFind: Scans 22, 23, 24; Background Corrected with Scan 14

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	20048	PASS
75	95	30	60	47.7	42704	PASS
95	95	100	100	100.0	89456	PASS
96	95	5	9	6.9	6137	PASS
173	174	0.00	2	0.4	275	PASS
174	95	50	100	74.1	66323	PASS
175	174	5	9	7.1	4686	PASS
176	174	95	101	98.1	65061	PASS
177	176	5	9	7.2	4660	PASS

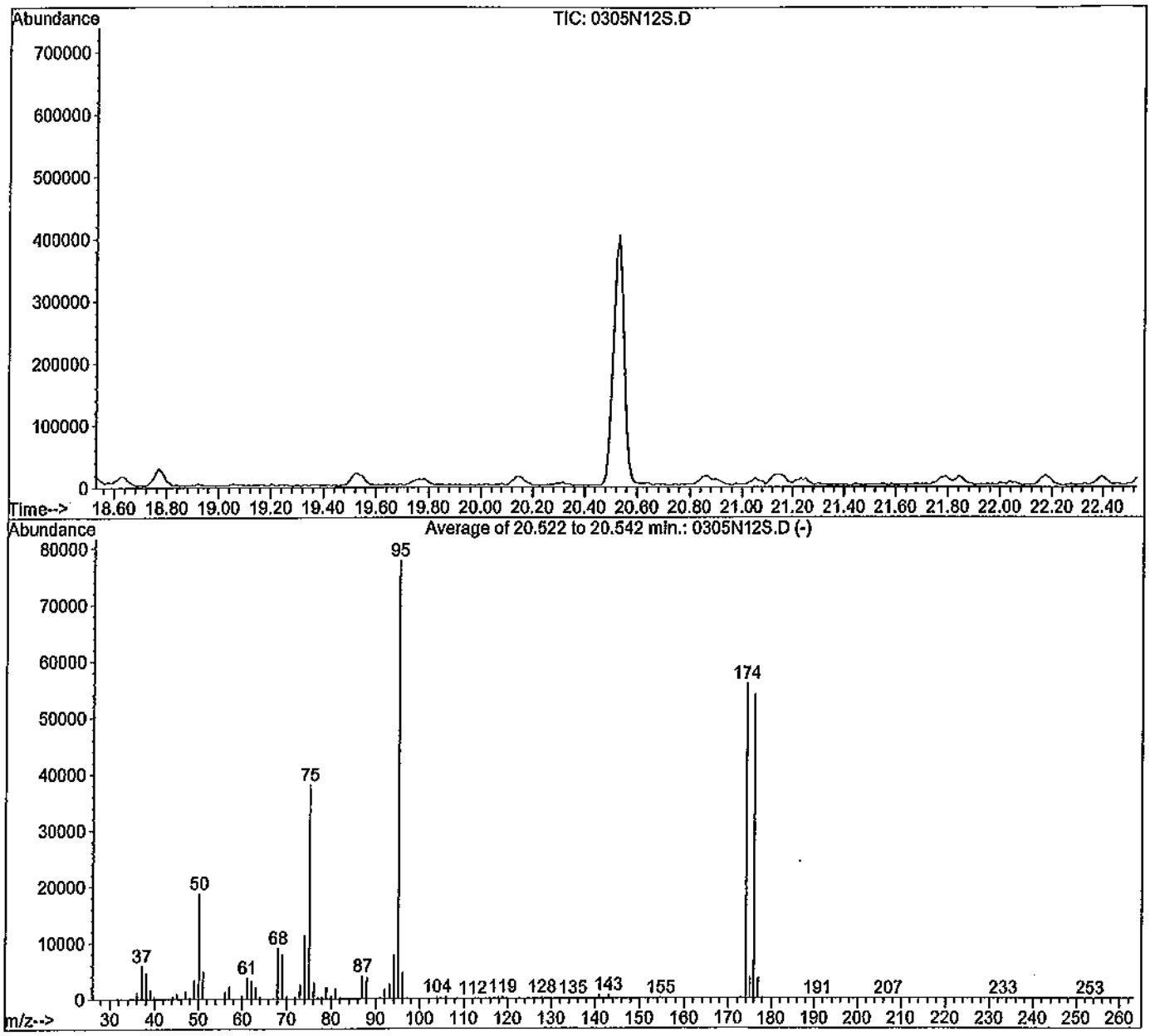
0305N00T.D NALLS.M Fri Mar 09 10:53:41 2012

BFB

Data File : M:\NEO\DATA\N120305\0305N12S.D
Acq On : 5 Mar 12 17:51
Sample : 25ug/mL BFB Std 2-13-12
Misc : Soil 5mL w/IS&S:10-20-11

Vial: 1
Operator: SV,DG,RS
Inst : Neo
Multiplr: 1.00

Method : M:\NEO\DATA\N120305\NALLS.M (RTE Integrator)
Title : METHOD 8260B



AutoFind: Scans 1644, 1645, 1646; Background Corrected with Scan 1635

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.2	18855	PASS
75	95	30	60	48.9	38101	PASS
95	95	100	100	100.0	77843	PASS
96	95	5	9	5.9	4604	PASS
173	174	0.00	2	0.4	205	PASS
174	95	50	100	71.9	55965	PASS
175	174	5	9	6.9	3848	PASS
176	174	95	101	96.5	54021	PASS
177	176	5	9	6.8	3654	PASS

0305N12S.D NALLS.M Fri Mar 09 10:55:07 2012

Date:	Time	Initial	Sample ID		Weight (g)	Volume (ml)	Method	Balance
03/05/12	2:42	RS	AY56027	S01	5.039	5 ml of P&T H2O	8260	V-BALANCE

2/02/12 K-
RS

Hexachloroethane (Second Source) Solution, 1000 mg/L, 1 ml
020049-02-SS

Lot #	Storage	Expiry
183795	≤-10 Degrees C	1/1/14

Solv: P/T Methanol

Hexachloroethane (SS)
Lot #: 183795 - 30198
Rec: 1/10/12 MFR exp. 01/03/14

RS

2/02/12 L-
RS

VOC Mix 4-3 (second source), 2,000 mg/L, 1 ml
120166-01-SS

Lot #	Storage	Expiry
183778	<= 6 Degrees	9/9/12

Solv: P/T Methanol

VOC Mix 4-3 (SS)
Lot #: 163778 - 29836
Rec: 10/24/11 MFR exp. 09/09/12

RS

RS

02-02-12M							
50ug/ml Vol Work Std #7							
Exp:02/08/12							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	120016-03	Gas Mix	2000	167931-28287	02-02-12A	02/08/12	100
02SI	020049-02	HEXACHLOROETHANE	1000	164816-29160	02-02-12B	04/07/12	200
02SI	020228-02	Benzyl Chloride	1000	176701-29774	02-02-12C	04/07/12	200
J&T Brand		Purge & Trap MeOH		K07E34-00574	02/02/12	06/08/12	3500
02-02-12N							
50ug/ml Vol Work Std #1							
Exp:02/08/12							
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	020145-02-02	2-CEVE	2000	160092-26641	01-25-12K	04/07/12	50
J&T Brand		Purge & Trap MeOH		K07E34-00574	02/02/12	06/08/12	1950
02-02-12O							
50ug/ml Vol Work Std #6							
Exp:02/08/12							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	122039-02	Volatile Mix, 20-29	2000	176771-29198	02-02-12D	04/07/12	100
02SI	120023-03	VOC'S-54 COMP	2000	164454-27876	02-02-12E	04/07/12	100
02SI	020232-02	Vinyl Acetate	2000	182701-30110	01-18-12C	03/11/12	100
02SI	020620-02	n-Hexane	1000	163378-29232	01-25-12L	04/07/12	200
02SI	020546-02	Heptane	1000	169174-28326	01-25-12N	04/07/12	200
J&T Brand		Purge & Trap MeOH		K07E34-00574	02/02/12	06/08/12	3300
02-02-12P							
50ug/ml Vol Work Std #2							
Exp:02/08/12							
Supplier	ID #	ID	ug/ml				
02SI	121020-05	HSL'S-Ketone Solution	2000	169173-29214	02-02-12F	02/08/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00574	02/02/12	06/08/12	3900
		02-02-12Q	Exp:	02/08/12			
		5ug/ml Vol Work Std #9					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #7		02-02-12H	02/08/12	200	
		50ug/ml Vol Work Std #8		02-02-12O	02/08/12	200	
		J&T Brand		02/02/12	06/08/12	1600	
		02-02-12R	Exp:	02/08/12			
		5ug/ml Vol Work Std #10					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #1		02-02-12N	02/08/12	200	
		J&T Brand		02/02/12	06/08/12	1800	

2/02/12
RS

Volatile Standard Curve Preparation for 10mL Purge (8260 water)-MAX

	Expiration Date:	5µg/mL Vol Std #9	5µg/mL Surr	50µg/mL Vol Std #7	50µg/mL Vol Std #8	50µg/mL Surr	5µg/mL Vol Std #10	50µg/mL Vol Std #1	50µg/mL Vol Std #2	5µg/mL Vol Std #12
	Conc:	02-09-12K	02-09-12O	02-09-12G	02-09-12I	02-09-12N	02-09-12L	02-09-12H	02-09-12J	02-09-12M
Date	µg/L	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12
Code										
02-17-12L	0.1	1	1	n/a	n/a	n/a	1	n/a	n/a	1
02-17-12M	0.3	3	6	n/a	n/a	n/a	3	n/a	n/a	3
02-17-12N	0.5	5	10	n/a	n/a	n/a	5	n/a	n/a	5
02-17-12O	1	10	20	n/a	n/a	n/a	10	n/a	n/a	10
02-17-12P	5	n/a	n/a	5	5	10	n/a	5	5	n/a
02-17-12Q	10	n/a	n/a	10	10	25	n/a	10	10	n/a
02-17-12R	20	n/a	n/a	20	20	40	n/a	20	20	n/a
02-17-12S	40	n/a	n/a	40	40	80	n/a	40	40	n/a
02-17-12T	100	n/a	n/a	100	100	100	n/a	100	100	n/a
02-17-12U	200	n/a	n/a	200	200	125	n/a	200	200	n/a

2/17/12 RS

250µg/mL TAPD	Final Vol
02-09-12P	w/P&T H2O
Exp:02-16-12	mL
3	50
3	50
5	50
10	50
20	50
25	50
30	50
35	50
40	50
45	50

2/20/12 RS A-

Method 8260 Gases, 2,000 mg/L, 2 X 0.6 ml

120016-03

Lot #	Storage	Expiry
180013	≤ -10 Degrees C	10/17/14

Solv: P/T Methanol

Method 8260 Gases

Lot #: 180013 - 29758

Rec: 10/24/11 MFR exp. 10/17/14

RS

RS&D only, not human consump. Made in the USA

2/20/12 RS B-

Hexachloroethane Solution, 1000 mg/L, 1 ml

010049-02

Lot #	Storage	Expiry
176700	≤ -10 Degrees C	7/31/13

Solv: P/T Methanol

Hexachloroethane

Lot #: 176700 - 29155

Rec: 8/5/11 MFR exp. 07/31/13

RS

RS&D only, not human consump. Made in the USA

2/20/12 RS C-

Benzyl Chloride Solution, 1000 mg/L, 1 ml

020223-02

Lot #	Storage	Expiry
176701	≤ -10 Degrees C	7/31/13

Solv: P/T Methanol

Benzyl Chloride

Lot #: 176701 - 29780

Rec: 10/24/11 MFR exp. 07/31/13

RS

RS&D only, not human consump. Made in the USA

2/20/12 RS D-

Vinyl Acetate Solution, 2,000 mg/L, 1 ml

070732-02

Lot #	Storage	Expiry
182701	≤ -10 Degrees C	3/11/12

Solv: P/T Methanol

Vinyl Acetate

Lot #: 182701 - 30111

Rec: 12/15/11 MFR exp. 03/11/12

RS

		02-09-12X	Exp:	02/16/12			
		5ug/ml Vol Work Std #9					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #7		02-09-12T	02/16/12	200	
		50ug/ml Vol Work Std #8		02-09-12V	02/16/12	200	
		J&T Brand		02/04/12	06/08/12	1600	
		02-09-12Y	Exp:	02/16/12			
		5ug/ml Vol Work Std #10					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #1		02-09-12U	02/16/12	200	
		J&T Brand		02/04/12	06/08/12	1800	
		02-09-12Z	Exp:	02/16/12			
		5ug/ml Vol Work Std #12					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #2		02-09-12W	02/16/12	200	
		J&T Brand		02/04/12	06/08/12	1800	
02-09-12AA							
50ug/ml 8260 Surrogate			Conc.		Date	Exp.	
Exp:02/16/12			ug/ml	Lot #	Code	Date	uL
O2SI	120002-01	8260B Surr Solution	2000	178653-29566	02-09-12E	04/16/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00579	02/04/12	06/26/12	3900
02-09-12B			Exp:	02/16/12			
5.0ug/ml 8260 Surrogate			Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml 8260 Surrogate		02-09-12AA	02/16/12	200	
J&T Brand		Purge & Trap MeOH		02/04/12	06/08/12	1800	
02-09-12AB							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P							
Exp:02/16/12			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
O2SI	120166-01	Volatile Mix 4-3	2000	178651-29803	02-09-12C	04/07/12	500
O2SI	020229-09	Acrolein	10000	184364-30245	02-02-12I	02/25/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00579	02/04/12	06/08/12	3400

Volatile Standard Curve Preparation for 5mL Purge (8260 soil)-NEO

	Expiration Date:		02/11/12							
		5µg/mL Vol Std #9	5µg/mL Surr	50µg/mL Vol Std #7	50µg/mL Vol Std #8	50µg/mL Surr	5µg/mL Vol Std #10	50µg/mL Vol Std #1	5µg/mL Vol Std #2	50µg/mL Vol Std #12
Date	Conc.	02-09-12K	02-09-12O	02-09-12G	02-09-12I	02-09-12N	02-09-12L	02-09-12H	02-09-12J	02-09-12M
Code	µg/L	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12	Exp:02-16-12
02-10-12A	2	2	2	n/a	n/a	n/a	2	n/a	2	n/a
02-10-12B	5	5	5	n/a	n/a	n/a	5	n/a	5	n/a
02-10-12C	10	10	10	n/a	n/a	n/a	10	n/a	10	n/a
02-10-12D	20	20	20	n/a	n/a	n/a	20	n/a	20	n/a
02-10-12E	50	n/a	n/a	5	5	5	n/a	5	n/a	5
02-10-12F	100	n/a	n/a	10	10	10	n/a	10	n/a	10
02-10-12G	200	n/a	n/a	20	20	20	n/a	20	n/a	20

250µg/mL TBA	Final Vol
02-09-12P	w/P&T H2O
Exp:02-16-12	mL
1	5
2	5
3	5
4	5
5	5
6	5
7	5

02-13-12A							
25ug/ml BFB STD			Conc.		Date	EXP:	
EXP:03-13-12			ug/ml	Lot#	CODE	Date	ul
O2SI	020135-03	4-Bromofluorobenzene	2500	163173-29053	01-12-12A	12/11/12	20
J&T Baker		Purge & Trap MeOH		K07E34-00574	02/02/12	09/28/12	1980
02-13-12B							
25ug/ml BFB STD			Conc.		Date	EXP:	
EXP:03-13-12			ug/ml	Lot#	CODE	Date	ul
O2SI	020135-03	4-Bromofluorobenzene	2500	163173-29053	01-12-12A	12/11/12	20
J&T Baker		Purge & Trap MeOH		K07E34-00574	02/02/12	09/28/12	1980

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Neo 524

02-22-12A

2/22/12 RS.

10ug/ml Neo-524 Internal Standard w/ Surrogate

			Conc. ug/ml	Lot #	Date Code	Exp. Date	uL
02SI	122450-02	524 Fortification Sol	1000	176776-29297	01-31-12A	07/10/12	200
J.T.Baker		Purge & Trap MeOH		K07E34-00621	02/15/12	10/12/12	19800

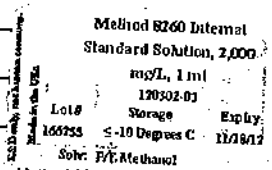
Volatile Standard Curve Preparation for 10mL Purge (524 water)-NEO

Expiration Date: 02/23/12

Date Code	Conc. µg/L	5µg/mL Vol Std #9 02-20-12N Exp:02-27-12	5µg/mL Vol Std #12 02-20-12P Exp:02-27-12	50µg/mL Vol Std #7 02-20-12J Exp:02-27-12	50µg/mL Vol Std #6 02-20-12L Exp:02-27-12	50µg/mL Vol Std #2 02-20-12M Exp:02-27-12	250µg/mL TAPD 02-20-12S Exp:02-27-12	Final Vol w/P&T H2O mL
02-22-12B	0.2	2	2	n/a	n/a	n/a	2	50
02-22-12C	0.5	5	5	n/a	n/a	n/a	5	50
02-22-12D	1	10	10	n/a	n/a	n/a	10	50
02-22-12E	5	n/a	n/a	5	5	5	20	50
02-22-12F	10	n/a	n/a	10	10	10	25	50
02-22-12G	20	n/a	n/a	20	20	20	30	50
02-22-12H	40	n/a	n/a	40	40	40	35	50
02-22-12I	100	n/a	n/a	100	100	100	40	50

2/22/12 RS.

2/23/12 RS A-

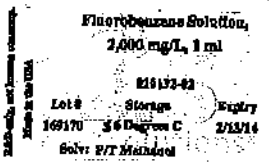


Method 8260 Internal Standard
Lot #: 166255 - 29842
Rec: 10/24/11 MFR exp. 11/18/12

RS

RS 2/23/12

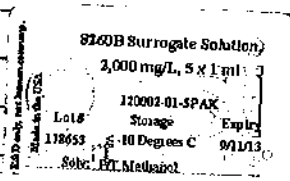
2/23/12 RS B-



Fluorobenzene
Lot #: 169170 - 28868
Rec: 5/25/11 MFR exp. 02/13/14

RS

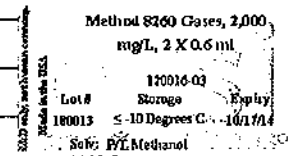
2/23/12 RS C-



8260B Surrogate Solution
Lot #: 178653 - 29563
Rec: 9/22/11 MFR exp. 09/11/13

RS

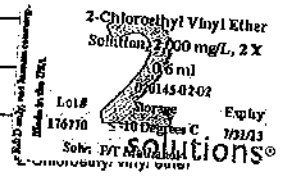
2/28/12 RS. A-



Method 8260 Gases
Lot #: 180013 - 29757
Rec: 10/24/11 MFR exp. 10/17/14

RS

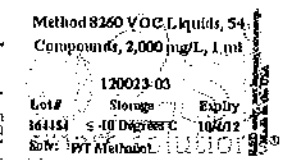
2/28/12 RS B-



Lot #: 176770 - 29813
Rec: 10/24/11 MFR exp. 07/31/13

RS

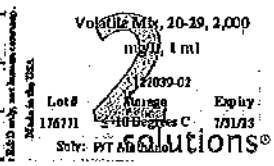
2/28/12 RS. C-



8260 VOC Liquids, 54 Comp.
Lot #: 164454 - 27877
Rec: 12/15/10 MFR exp. 10/04/12

RS

2/28/12 RS. D-

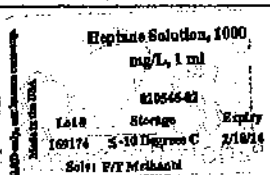


Volatile Mix, 20-29
Lot #: 176771 - 29199
Rec: 8/5/11 MFR exp. 07/31/13

RS

E-

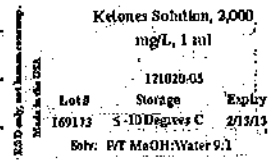
2/28/12 RS.



Heptane Solution
Lot #: 169174 - 29251
Rec: 8/5/11 MFR exp. 02/18/14

RS

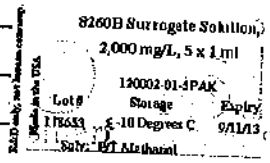
2/28/12 F-
RS



Ketones
Lot #: 169173 - 29215
Rec: 8/5/11 MFR exp. 02/13/13

RS

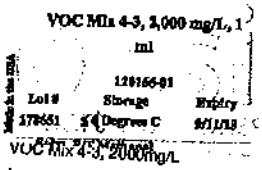
2/28/12 G-
RS



8260B Surrogate Solution
Lot #: 178653 - 29561
Rec: 9/22/11 MFR exp. 09/11/13

RS

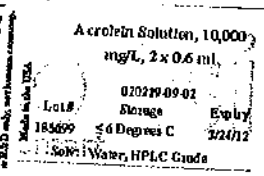
2/28/12 H-
RS



VOC Mix 4-3, 2000mg/L
Lot #: 178651 - 29810
Rec: 10/24/11 MFR exp. 09/11/13

RS

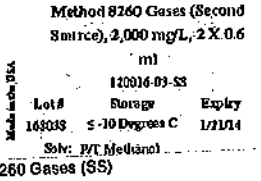
2/28/12 I-
RS.



Acrolein
Lot #: 165699 - 30346
Rec: 2/20/12 MFR exp. 03/24/12

RS

2/28/12 J-
RS.



8260 Gases (SS)
Lot #: 168038 - 28747
Rec: 4/20/11 MFR exp. 01/21/14

RS.

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2/28/12 K-
RS.

Acrolein Solution (Second Source), 10,000 mg/L, 2 x 0.6 ml
020219-09-02-SS
Lot # 185700 | Storage ≤6 Degrees C | Expiry 3/24/12
Solvent Water, HPLC Grade

Acrolein Solution SS
Lot #: 185700 - 30348
Rec: 2/20/12 MFR exp. 03/24/12

RS.

RS

02-28-12L							
50ug/ml Vol Work Std #7							
Exp:03/06/12							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	120016-03	Gas Mix	2000	180013-29757	02-28-12A	03/06/12	100
02SI	020049-02	HEXACHLOROETHANE	1000	176700-29155	02-20-12B	04/07/12	200
02SI	020228-02	Benzyl Chloride	1000	176701-29780	02-20-12C	04/07/12	200
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/08/12	3500
02-28-12M							
50ug/ml Vol Work Std #1							
Exp:03/06/12							
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	020145-02-02	2-CEVE	2000	176770-29813	02-28-12B	07/27/12	50
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/08/12	1950
02-28-12N							
50ug/ml Vol Work Std #8							
Exp:03/06/12							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	122039-02	Volatile Mix, 20-29	2000	176771-29199	02-28-12D	04/07/12	100
02SI	120023-03	VOC'S-54 COMP	2000	164454-27877	02-28-12C	04/07/12	100
02SI	020232-02	Vinyl Acetate	2000	182701-30111	02-20-12D	03/11/12	100
02SI	020620-02	n-Hexane	1000	176773-29792	02-20-12E	04/07/12	200
02SI	020546-02	Heptane	1000	169174-29251	02-28-12E	04/07/12	200
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/08/12	3300
02-28-12O							
50ug/ml Vol Work Std #2							
Exp:03/06/12							
Supplier	ID #	ID	ug/ml				
02SI	121020-05	HSL'S-Ketone Solution	2000	169173-29215	02-28-12F	02/08/12	100
J&T Brand		Purge & Trap MeOH		02/26/12	02/26/12	06/08/12	3900
		02-28-12P	Exp:	03/06/12			
		5ug/ml Vol Work Std #9					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #7		02-28-12L	02/27/12	200	
		50ug/ml Vol Work Std #8		02-28-12N	02/27/12	200	
		J&T Brand		02/26/12	06/08/12	1600	
		02-28-12Q	Exp:	03/06/12			
		5ug/ml Vol Work Std #10					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #1		02-28-12M	02/27/12	200	
		J&T Brand		02/26/12	06/08/12	1800	
		02-28-12R	Exp:	03/06/12			
		5ug/ml Vol Work Std #12					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #2		02-28-12O	02/27/12	200	
		J&T Brand		02/26/12	06/08/12	1800	
02-28-12S							
50ug/ml 8260 Surrogate			Conc.		Date	Exp.	
Exp:03/06/12			ug/ml	Lot #	Code	Date	ul
02SI	120002-01	8260B Surr Solution	2000	178653-29561	02-28-12G	04/16/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/26/12	3900
02-28-12T			Exp:	03/06/12			
5.0ug/ml 8260 Surrogate			Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml 8260 Surrogate		02-28-12S	02/27/12	200	
J&T Brand		Purge & Trap MeOH		02/26/12	06/08/12	1800	

2/28/12
RS.

02-28-12U							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P							
Exp:03/06/12			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
02SI	120166-01	Volatile Mix 4-3	2000	178651-29810	02-28-12H	04/07/12	500
02SI	020229-09	Acrolein	10000	185699-30346	02-28-12I	03/24/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/08/12	3400

2/28/12 RS

02-28-12V							
50ug/ml VOC Std#5							
Exp:03/06/12							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	120016-03-SS	8260 Gases(SS)	2000	168038-28747	02-28-12J	02/27/12	50
02SI	020145-02-02-	2-CEVE	2000	181404-30009	02-20-12I	02/14/12	50
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/08/12	1900
02-28-12W							
50ug/ml VOC Std#6							
Exp:03/06/12							
	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	120023-03-SS	VOC'S 54 COMP.	2000	163271-27775	01-09-12I	05/14/12	50
02SI	120296-01	Custom 8260 Solution	2000	166038-27771	01-09-12J	05/18/12	50
02SI	020232-02-SS	Vinyl Acetate(SS)	2000	178905-29558	01-25-12D	04/05/11	50
02SI	020620-02-SS	n-HEXANE	1000	179199-29612	01-25-12F	06/14/12	100
02SI	020049-02-SS	HEXACHLOROETHANE	1000	183795-30198	02-02-12K	03/29/12	100
02SI	020546-02-SS	Heptane(SS)	1000	142276-23578	01-25-12J	05/19/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/08/12	1550
02-28-12W							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P							
Exp:03/06/12			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
02SI	120166-01-SS	VOC Mix 4-3 (SS)	2000	163778-29836	02-02-12L	06/14/12	250
02SI	020229-09-SS	Acrolein SOLUTION (SS)	10000	185700-30348	02-28-12K	03/24/12	50
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/08/12	1700

02-28-12X							
50ug/ml Vol Work Std #7							
Exp:03/06/12							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	120016-03	Gas Mix	2000	180013-29757	02-28-12A	03/06/12	100
02SI	020049-02	HEXACHLOROETHANE	1000	176700-29155	02-20-12B	04/07/12	200
02SI	020228-02	Benzyl Chloride	1000	176701-29780	02-20-12C	04/07/12	200
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/08/12	3500
02-28-12Y							
50ug/ml Vol Work Std #1							
Exp:03/06/12							
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	020145-02-02	2-CEVE	2000	176770-29813	02-28-12B	07/27/12	50
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/08/12	1950
02-28-12Z							
50ug/ml Vol Work Std #8							
Exp:03/06/12							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	122039-02	Volatile Mix, 20-29	2000	176771-29199	02-28-12D	04/07/12	100
02SI	120023-03	VOC'S-54 COMP	2000	164454-27877	02-28-12C	04/07/12	100
02SI	020232-02	Vinyl Acetate	2000	182701-30111	02-20-12D	03/11/12	100
02SI	020620-02	n-Hexane	1000	176773-29792	02-20-12E	04/07/12	200
02SI	020546-02	Heptane	1000	169174-29251	02-28-12E	04/07/12	200
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/08/12	3300
02-28-12AA							
50ug/ml Vol Work Std #2							
Exp:03/06/12							
Supplier	ID #	ID	ug/ml				
02SI	121020-05	HSL'S-Ketone Solution	2000	169173-29215	02-28-12F	02/08/12	100
J&T Brand		Purge & Trap MeOH		02/26/12	02/26/12	06/08/12	3900

2/28/12 RS

		02-28-12AB	Exp:	03/06/12			
		5ug/ml Vol Work Std #9					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #7		02-28-12X	02/27/12	200	
		50ug/ml Vol Work Std #8		02-28-12Z	02/27/12	200	
		J&T Brand		02/26/12	06/08/12	1600	
		02-28-12AC	Exp:	03/06/12			
		5ug/ml Vol Work Std #10					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #1		02-28-12Y	02/27/12	200	
		J&T Brand		02/26/12	06/08/12	1800	
		02-28-12AD	Exp:	03/06/12			
		5ug/ml Vol Work Std #12					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #2		02-28-12AA	02/27/12	200	
		J&T Brand		02/26/12	06/08/12	1800	

2/28/12 RS.

02-28-12AE							
50ug/ml 8260 Surrogate			Conc.		Date	Exp.	
Exp:03/06/12			ug/ml	Lot #	Code	Date	uL
O2SI	120002-01	8260B Surr Solution	2000	178653-29561	02-28-12G	04/16/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/26/12	3900
02-28-12AF			Exp:	03/06/12			
5.0ug/ml 8260 Surrogate			Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml 8260 Surrogate		02-28-12AE	02/27/12	200	
J&T Brand		Purge & Trap MeOH		02/26/12	06/08/12	1800	
02-28-12AG							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P							
Exp:03/06/12			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
O2SI	120166-01	Volatile Mix 4-3	2000	178651-29810	02-28-12H	04/07/12	500
O2SI	020229-09	Acrolein	10000	185699-30346	02-28-12I	03/24/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00603	02/26/12	06/08/12	3400

2/29/12 RS.

02-29-12A							
50ug/ml 8260B Surrogate- Neo			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
O2SI	8260B Surr	Surrogate Standards	2000	178653-29563	01-28-12C	06/14/12	500
J.T Baker		Purge & Trap MeOH		K07E34-00603	02/26/12	10/10/12	19500

2/29/12 RS

Volatile Standard Curve Preparation for 5mL Purge (8260 soil)-NEO

		Expiration Date:	03/01/12							
		5µg/mL Vol Std #9	5µg/mL Surr	50µg/mL Vol Std #7	50µg/mL Vol Std #8	50µg/mL Surr	5µg/mL Vol Std #10	50µg/mL Vol Std #1	5µg/mL Vol Std #2	50µg/mL Vol Std
Date	Conc.	02-28-12P	02-28-12T	02-28-12L	02-28-12N	02-28-12S	02-28-12Q	02-28-12M	02-28-12O	02-28-12R
Code	µg/L	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12
02-29-12B	2	2	2	n/a	n/a	n/a	2	n/a	2	n/a
02-29-12C	5	5	5	n/a	n/a	n/a	5	n/a	5	n/a
02-29-12D	10	10	10	n/a	n/a	n/a	10	n/a	10	n/a
02-29-12E	20	20	20	n/a	n/a	n/a	20	n/a	20	n/a
02-29-12F	50	n/a	n/a	5	5	5	n/a	5	n/a	5
02-29-12G	100	n/a	n/a	10	10	10	n/a	10	n/a	10
02-29-12H	200	n/a	n/a	20	20	20	n/a	20	n/a	20

250µg/mL TBA	Final Vol
02-28-12U	w/P&T H2O
Exp:03-06-12	mL
1	5
2	5
3	5
4	5
5	5
6	5
7	5

Volatile Standard Curve Preparation for 10mL Purge (8260 water)-Sweetpea

	Expiration Date:		03/01/12							
		5µg/mL Vol Std #9	5µg/mL Surr	50µg/mL Vol Std #7	50µg/mL Vol Std #8	50µg/mL Surr	5µg/mL Vol Std #10	50µg/mL Vol Std #1	50µg/mL Vol Std #2	5µg/mL Vol Std #12
Date	Conc.	02-28-12AB	02-28-12AF	02-28-12X	02-28-12Z	02-28-12AE	02-28-12AC	02-28-12Y	02-28-12AA	02-28-12AD
Code	µg/L	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12
02-28-12I	0.3	3	6	n/a	n/a	n/a	3	n/a	n/a	3
02-28-12J	0.5	5	10	n/a	n/a	n/a	5	n/a	n/a	5
02-28-12K	1	10	20	n/a	n/a	n/a	10	n/a	n/a	10
02-28-12L	5	n/a	n/a	5	5	10	n/a	5	5	n/a
02-28-12M	10	n/a	n/a	10	10	25	n/a	10	10	n/a
02-28-12N	40	n/a	n/a	40	40	80	n/a	40	40	n/a
02-28-12O	100	n/a	n/a	100	100	100	n/a	100	100	n/a
02-28-12P	200	n/a	n/a	200	200	125	n/a	200	200	n/a

250µg/mL TAPD 02-28-12AG Exp:03-06-12	Final Vol w/P&T H2O mL
3	50
5	50
10	50
20	50
25	50
35	50
40	50
45	50

Neo

03-02-12A

50ug/ml 8260 Internal Standard			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
O2SI	120302-03	Internal Standard Mix	2000	166255-29842	02-23-12A	05/14/12	500
O2SI	020132-02	Fluorobenzene Standard	2000	169170-28866	02-23-12B	05/14/12	500
J.T Baker		Purge & Trap MeOH		K07E34-00603	02/26/12	10/10/12	19000

3/02/12 RS

CHICO

03-02-12B

50ug/ml 524 Internal Standard w/ Surrogate			Conc.		Date	Exp.	
			ug/ml	Lot #	Code	Date	uL
O2SI	122450-02	524 Fortification Sol	1000	176776-29297	01-31-12A	03/10/12	200
J&T Baker		Purge & Trap MeOH		K14E06-00603	02/26/11	10/22/12	3800

3/02/12 RS

Volatile Standard Curve Preparation for 5mL Purge (8260 soil)-NEO

	Expiration Date:		03/03/12							
		5µg/mL Vol Std #9	5µg/mL Surr	50µg/mL Vol Std #7	50µg/mL Vol Std #8	50µg/mL Surr	5µg/mL Vol Std #10	50µg/mL Vol Std #1	5µg/mL Vol Std #2	50µg/mL Vol Std #12
Date	Conc.	02-28-12P	02-28-12T	02-28-12L	02-28-12N	02-28-12S	02-28-12Q	02-28-12M	02-28-12O	02-28-12R
Code	µg/L	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12
03-02-12C	2	2	2	n/a	n/a	n/a	2	n/a	2	n/a
03-02-12D	5	5	5	n/a	n/a	n/a	5	n/a	5	n/a
03-02-12E	10	10	10	n/a	n/a	n/a	10	n/a	10	n/a
03-02-12F	20	20	20	n/a	n/a	n/a	20	n/a	20	n/a
03-02-12G	50	n/a	n/a	5	5	5	n/a	5	n/a	5
03-02-12H	100	n/a	n/a	10	10	10	n/a	10	n/a	10
03-02-12I	200	n/a	n/a	20	20	20	n/a	20	n/a	20

250µg/mL TBA 02-28-12U Exp:03-06-12	Final Vol w/P&T H2O mL
1	5
2	5
3	5
4	5
5	5
6	5
7	5

Volatile Standard Curve Preparation for 10mL Purge (8260 water)-MAX

	Expiration Date:		03/06/12							
		5µg/mL Vol Std #9	5µg/mL Surr	50µg/mL Vol Std #7	50µg/mL Vol Std #8	50µg/mL Surr	5µg/mL Vol Std #10	50µg/mL Vol Std #1	50µg/mL Vol Std #2	5µg/mL Vol Std #12
Date MAX	Conc.	02-28-12AB	02-28-12AF	02-28-12X	02-28-12Z	02-28-12AE	02-28-12AC	02-28-12Y	02-28-12AA	02-28-12AD
Code	µg/L	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12	Exp:03-06-12
02-05-12A	0.3	3	6	n/a	n/a	n/a	3	n/a	n/a	3
02-05-12B	0.5	5	10	n/a	n/a	n/a	5	n/a	n/a	5
02-05-12C	1	10	20	n/a	n/a	n/a	10	n/a	n/a	10
02-05-12D	5	n/a	n/a	5	5	10	n/a	5	5	n/a
02-05-12E	10	n/a	n/a	10	10	25	n/a	10	10	n/a
02-05-12F	20	n/a	n/a	20	20	40	n/a	20	20	n/a
02-05-12G	40	n/a	n/a	40	40	80	n/a	40	40	n/a
02-05-12H	100	n/a	n/a	100	100	100	n/a	100	100	n/a
02-05-12I	200	n/a	n/a	200	200	125	n/a	200	200	n/a

250µg/mL TAPD 02-28-12AG Exp:03-06-12	Final Vol w/P&T H2O mL
3	50
5	50
10	50
20	50
25	50
30	50
35	50
40	50
45	50

EPA METHOD 8330B
Explosives

APPL, INC.

EPA METHOD 8330B
Explosives

Summary Forms

APPL, INC.

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 8330
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120302A-164472
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-SW1	AY56027

Comments: ARF: 67099

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

Signature: _____ Name: Diane Anderson

Date: 3-12-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 120302A-164472
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW1 Lab Sample ID: AY56027 Matrix: Soil
% Solids: 89.8 Initial Calibration ID: 120130
Date Received: 01-Mar-12 Date Prepared: 02-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
M-NITROTOLUENE	0.08	0.60	0.08	1		U
METHYL-2,4,6-TRINITROPHENYLNIT	0.075	0.65	0.075	1		U
NITROBENZENE	0.075	0.26	0.075	1		U
O-NITROTOLUENE	0.075	0.25	0.075	1		U
P-NITROTOLUENE	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	100	65-135	

Comments:

ARF: 67099

AFCEE FORM O-2

Form 6
Initial Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: G7099
Initial Cal. Date: 01/30/12
Instrument: Waldorf

Initials: HM

0130_0000004.D 0130_0000005.D 0130_0000006.D 0130_0000007.D 0130_0000008.D 0130_0000009.D 0130_0000010.D 0130_0000011.D 0130_0000013.D

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD		
1	TML	NITROGLYCERIN		78.4	153	145	131	129	130	129	128		128	17	TML	1.00
2	TM	PETN			117	108	105	106	112	114	114		111	4.1	TM	
		Signal #2														
1	TM	HMX #2	749	754	746	746	755	736	711	708	675		731	3.8		
2	TM	RDX #2	478	483	476	481	484	486	450	450	440		470	3.8		
3	TM	1,3,5-TRINITROBENZENE #2	815	802	789	795	802	802	767	765	752		788	2.7		
4	S	1,2-DINITROBENZENE #2	356	352	349	349	354	349	347	348	346		350	0.98		
5	TM	1,3-DINITROBENZENE #2	766	758	751	756	766	760	745	745	735		753	1.4		
6	TM	3,5-DINITROANILINE #2	798	615	648	623	624	641	610	609	603		641	9.5		
7	TM	NITROBENZENE #2	358	348	344	350	353	347	347	348	342		349	1.4		
8	TM	TETRYL #2	257	258	249	254	255	247	255	257	258		254	1.6		
9	TM	2,4,6-TRINITROTOLUENE #2	334	322	320	324	329	319	330	329	324		326	1.6		
10	TM	2-AMINO-4,6-DINITROTOLUENE	304	297	298	303	308	298	309	310	305		304	1.6		
11	TM	4-AMINO-2,6-DINITROTOLUENE	238	239	235	241	243	235	244	242	238		239	1.4		
12	TM	2,4-DINITROTOLUENE #2	328	308	306	311	315	307	318	318	314		314	2.3		
13	TM	2,6-DINITROTOLUENE #2	191	175	173	175	176	171	177	178	174		177	3.2		
14	TM	2-NITROTOLUENE #2	120	125	122	125	126	121	128	129	126		125	2.6		
15	TM	4-NITROTOLUENE #2	120	120	119	122	123	118	125	127	125		122	2.4		
16	TM	3-NITROTOLUENE #2	138	146	144	147	148	142	151	153	150		147	3.2		

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 67099
Date Analyzed: 30-Jan-2012, 17:57:25
Instrument: Waldorf
Initial Cal. Date: 01/30/12
Data File: 0130_0000014.D

		Compound	MEAN	CCRF	%D		%Drift
1	TML	NITROGLYCERIN	128	138	8.0	TML	7.4
2	TM	PETN	111	111	0.51	TM	
	Signal #2						
1	TM	HMX	731	737	0.79	TM	
2	TM	RDX	470	460	2.2	TM	
3	TM	1,3,5-TRINITROBENZENE	788	758	3.8	TM	
4	S	1,2-DINITROBENZENE	350	352	0.50	S	
5	TM	1,3-DINITROBENZENE	753	764	1.4	TM	
6	TM	3,5-DINITROANILINE	641	658	2.6	TM	
7	TM	NITROBENZENE	349	348	0.14	TM	
8	TM	TETRYL	254	221	13	TM	
9	TM	2,4,6-TRINITROTOLUENE	326	318	2.5	TM	
10	TM	2-AMINO-4,6-DINITROTOLUEN	304	317	4.5	TM	
11	TM	4-AMINO-2,6-DINITROTOLUEN	239	261	9.1	TM	
12	TM	2,4-DINITROTOLUENE	314	333	6.1	TM	
13	TM	2,6-DINITROTOLUENE	177	176	0.39	TM	
14	TM	2-NITROTOLUENE	125	129	3.9	TM	
15	TM	4-NITROTOLUENE	122	126	3.2	TM	
16	TM	3-NITROTOLUENE	147	157	6.7	TM	
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 67099
Date Analyzed: 05-Mar-2012, 20:51:44
Instrument: Waldorf
Initial Cal. Date: 01/30/12
Data File: 0305_0000018.D

		Compound	MEAN	CCRF	%D		%Drift
1	TML	NITROGLYCERIN	128	126	1.6	TML	2.1
2	TM	PETN	111	113	2.2	TM	
	Signal #2						
1	TM	HMX	731	705	3.6	TM	
2	TM	RDX	470	449	4.4	TM	
3	TM	1,3,5-TRINITROBENZENE	788	766	2.8	TM	
4	S	1,2-DINITROBENZENE	350	345	1.6	S	
5	TM	1,3-DINITROBENZENE	753	739	1.9	TM	
6	TM	3,5-DINITROANILINE	641	600	6.4	TM	
7	TM	NITROBENZENE	349	344	1.4	TM	
8	TM	TETRYL	254	284	12	TM	
9	TM	2,4,6-TRINITROTOLUENE	326	328	0.65	TM	
10	TM	2-AMINO-4,6-DINITROTOLUEN	304	320	5.3	TM	
11	TM	4-AMINO-2,6-DINITROTOLUEN	239	250	4.6	TM	
12	TM	2,4-DINITROTOLUENE	314	317	0.89	TM	
13	TM	2,6-DINITROTOLUENE	177	178	0.80	TM	
14	TM	2-NITROTOLUENE	125	128	3.0	TM	
15	TM	4-NITROTOLUENE	122	127	3.9	TM	
16	TM	3-NITROTOLUENE	147	153	3.9	TM	
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 67099
Date Analyzed: 06-Mar-2012, 04:56:16
Instrument: Waldorf
Initial Cal. Date: 01/30/12
Data File: 0305_0000032.D

		Compound	MEAN	CCRF	%D		%Drift
1	TML	NITROGLYCERIN	128	127	0.74	TML	1.3
2	TM	PETN	111	113	2.2	TM	
	Signal #2						
1	TM	HMX	731	707	3.3	TM	
2	TM	RDX	470	447	4.9	TM	
3	TM	1,3,5-TRINITROBENZENE	788	764	3.0	TM	
4	S	1,2-DINITROBENZENE	350	348	0.73	S	
5	TM	1,3-DINITROBENZENE	753	745	1.1	TM	
6	TM	3,5-DINITROANILINE	641	599	6.6	TM	
7	TM	NITROBENZENE	349	338	3.0	TM	
8	TM	TETRYL	254	281	10	TM	
9	TM	2,4,6-TRINITROTOLUENE	326	329	0.87	TM	
10	TM	2-AMINO-4,6-DINITROTOLUEN	304	319	5.2	TM	
11	TM	4-AMINO-2,6-DINITROTOLUEN	239	249	4.2	TM	
12	TM	2,4-DINITROTOLUENE	314	320	1.8	TM	
13	TM	2,6-DINITROTOLUENE	177	180	1.7	TM	
14	TM	2-NITROTOLUENE	125	126	0.98	TM	
15	TM	4-NITROTOLUENE	122	125	2.4	TM	
16	TM	3-NITROTOLUENE	147	150	2.3	TM	
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

AFCEE
ORGANIC ANALYSES DATA SHEET 6
BLANK

Analytical Method: EPA 8330
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: 120130

AAB #: 120302A-164472
Contract #: *G012
Method Blank ID: 120302S-BLK1A
np 3-12-12

Analyte	Method Blank	RL	Q
1,3,5-TNB	< RL	0.25	U
1,3-DNB	< RL	0.25	U
2,4,6-TNT	< RL	0.25	U
2,4-DNT	< RL	0.50	U
2,6-DNT	< RL	0.26	U
HMX	< RL	2.2	U
M-NITROTOLUENE	< RL	0.60	U
METHYL-2,4,6-TRINITROPHENYLNITRAMINE	< RL	0.65	U
NITROBENZENE	< RL	0.26	U
O-NITROTOLUENE	< RL	0.25	U
P-NITROTOLUENE	< RL	0.50	U
RDX	< RL	1.0	U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE	103	65-135	

Comments: ARF: 67099, Sample: AY56027

AFCEE
ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 8330
Lab Name: APPL, Inc
LCS ID: 120302A-LCS 1A
Concentration Units: mg/kg

AAB #: 120302A-164472
Contract #: *G012
Initial Calibration ID: 120130

Analyte	Expected	Found	% R	Control Limits	Q
1,3,5-TNB	2.000	2.012	101	65-152	
1,3-DNB	2.000	1.974	98.7	65-135	
2,4,6-TNT	2.000	2.087	104	65-138	
2,4-DNT	2.00	2.06	103	65-135	
2,6-DNT	2.000	2.049	102	65-139	
HMX	2.00	2.11	106	64-147	
M-NITROTOLUENE	2.00	2.11	106	50-144	
METHYL-2,4,6-TRINITROPHENYLNIT	2.000	2.378	119	34-152	
NITROBENZENE	2.000	1.936	96.8	25-144	
O-NITROTOLUENE	2.000	2.066	103	65-139	
P-NITROTOLUENE	2.00	2.10	105	32-160	
RDX	2.00	1.87	93.5	65-142	

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DINITROBENZENE (S	100	65-135	

Comments: ARF: 67099, QC Sample ID: AY56027

AFCEE
ORGANIC ANALYSES DATA SHEET 9
HOLDING TIMES

Analytical Method: EPA 8330 AAB#: 120302A-164472

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time Ext	Time Held Ext	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
B4-NT1-SW1	29-Feb-12	01-Mar-12	02-Mar-12	14	2	05-Mar-12	40	3	

Comments: ARF: 67099

Injection Log

Directory: H:\WALDORF\CHEM32\1\DATA\120130

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	0	0130_0000004.D		8830B_CB 0.005 PPM 01/30/12		01/30/2012 11:43
2	0	0130_0000005.D		8830B_CB 0.01 PPM 01/30/12		01/30/2012 12:20
3	0	0130_0000006.D		8830B_CB 0.02 PPM 01/30/12		01/30/2012 12:57
4	0	0130_0000007.D		8830B_CB 0.05 PPM 01/30/12		01/30/2012 13:35
5	0	0130_0000008.D		8830B_CB 0.1 PPM 01/30/12		01/30/2012 14:12
6	0	0130_0000009.D		8830B_CB 0.2 PPM 01/30/12		01/30/2012 14:50
7	0	0130_0000010.D		8830B_CB 0.5 PPM 01/30/12		01/30/2012 15:27
8	0	0130_0000011.D		8830B_CB 1.0 PPM 01/30/12		01/30/2012 16:05
9	0	0130_0000012.D		8830B_MX-A 2.0 PPM 01/30/12		01/30/2012 16:42
10	0	0130_0000013.D		8830B_MX-B 2.0 PPM 01/30/12		01/30/2012 17:19
11	0	0130_0000014.D		8830B_SS 1.0 PPM 01/30/12		01/30/2012 17:57
12	0	0305_0000018.D		8330_CCV 1.0 PPM 03/05/12		03/05/2012 20:51
13	0	0305_0000020.D	7.99201	120302SLCS1A 7.992 DF 03/02/12	soil	03/05/2012 21:56
14	0	0305_0000021.D	7.98403	120302SBLK1A 7.984 DF 03/02/12	soil	03/05/2012 22:24
15	0	0305_0000022.D	7.94439	AY56027S03 7.944 DF 03/02/12	soil	03/05/2012 22:51
16	0	0305_0000032.D		8330_CCV 1.0 PPM 03/05/12		03/06/2012 04:56

EPA METHOD 8330B
Explosives

Calibration Data

APPL, INC.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000004.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 11:43:00
Operator : mp
Sample : 8830B_CB 0.005 PPM 01/30/12
Misc :
ALS Vial : 4096 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:10 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.748	0	71209	N.D.	5.981	#
	Spiked Amount 62.500			Recovery	=	0.00%	9.57%	
	Target Compounds							
1)	TM HMX	0.000	0.949	0	149898	N.D.	6.203	#
2)	TM RDX	0.000	1.801	0	95658	N.D.	5.999	#
3)	TM 1,3,5-TRI...	0.000	2.913	0	162972	N.D.	5.952	#
5)	TM 1,3-DINIT...	0.000	3.885	0	153184	N.D.	5.906	#
6)	TM 3,5-DINIT...	0.000	4.144	0	159607	N.D.	8.138	#
7)	TM NITROBENZENE	0.000	5.273	0	71653	N.D.	5.956	#
8)	TM NITROGLYC...	6.100	0.000	40040	0	8.476	N.D.	#
9)	TM TETRYL	6.650	6.643	115206	51363	NoCal	5.877	#
10)	TM 2,4,6-TRI...	7.108	7.104	82684	66880	NoCal	5.989	#
11)	TM 2-AMINO-4...	7.504	7.500	108410	60749	NoCal	6.239	#
12)	TM 4-AMINO-2...	7.790	7.790	102045	47503	NoCal	6.038	#
13)	TM 2,4-DINIT...	8.964	8.977	52864	65596	NoCal	6.204	#
14)	TM 2,6-DINIT...	9.301	9.309	54314	38163	NoCal	6.253	#
15)	TM 2-NITROTO...	0.000	12.704	0	23922	N.D.	5.650	#
16)	TM 4-NITROTO...	0.000	13.311	0	23981	N.D.	5.750	#
17)	TM 3-NITROTO...	0.000	14.175	0	27687	N.D.	5.574	#
18)	TM PETN	0.000	0.000	0	0	N.D.	N.D.	

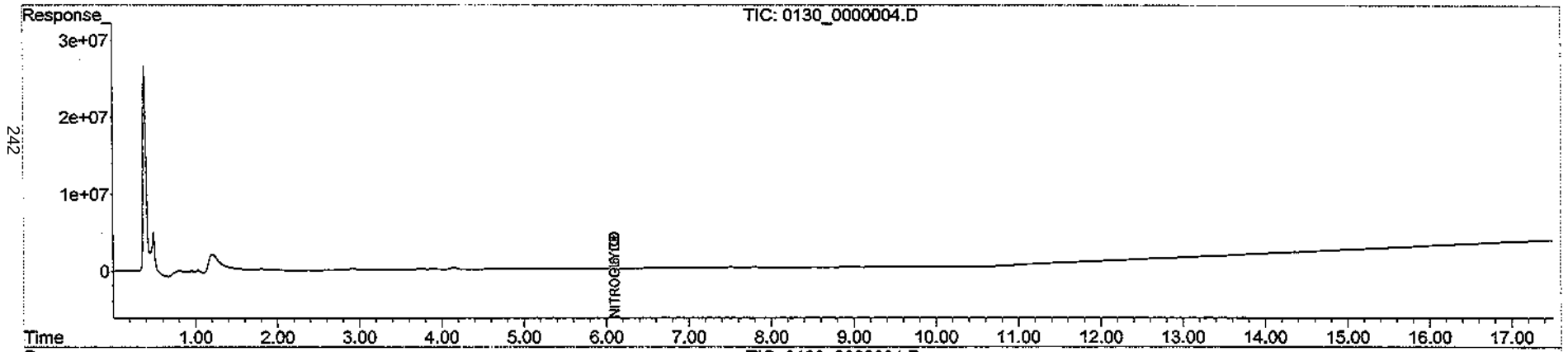
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

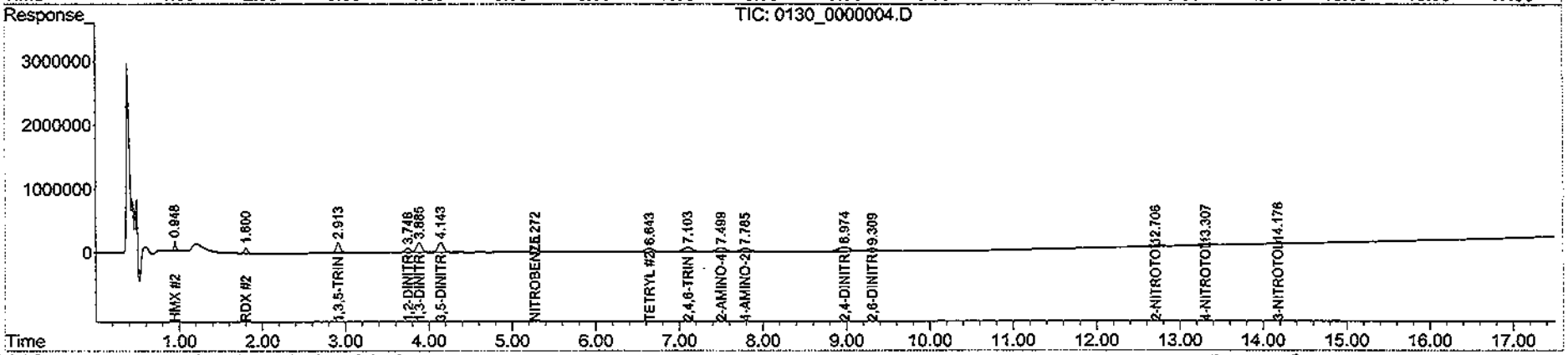
Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000004.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 11:43:00
Operator : mp
Sample : 8830B_CB 0.005 PPM 01/30/12
Misc :
ALS Vial : 4096 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:10 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron





Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000005.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 12:20:27
Operator : mp
Sample : 8830B_CB 0.01 PPM 01/30/12
Misc :
ALS Vial : 4097 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:12 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.750	0	140918	N.D.	11.837	#
	Spiked Amount 62.500			Recovery	=	0.00%	18.94%	
	Target Compounds							
1)	TM HMX	0.000	0.949	0	301606	N.D.	12.481	#
2)	TM RDX	0.000	1.801	0	193163	N.D.	12.115	#
3)	TM 1,3,5-TRI...	0.000	2.914	0	320678	N.D.	11.711	#
5)	TM 1,3-DINIT...	0.000	3.886	0	303142	N.D.	11.687	#
6)	TM 3,5-DINIT...	0.000	4.145	0	245821	N.D.	12.534	#
7)	TM NITROBENZENE	0.000	5.275	0	139226	N.D.	11.573	#
8)	TM NITROGLYC...	6.126	0.000	31348	0	6.636	N.D.	#
9)	TM TETRYL	6.649	6.648	182753	103086	NoCal	11.796	#
10)	TM 2,4,6-TRI...	7.108	7.108	185164	128609	NoCal	11.516	#
11)	TM 2-AMINO-4...	7.503	7.505	215636	118897	NoCal	12.211	#
12)	TM 4-AMINO-2...	7.796	7.795	197591	95447	NoCal	12.132	#
13)	TM 2,4-DINIT...	8.976	8.981	84481	123174	NoCal	11.650	#
14)	TM 2,6-DINIT...	9.318	9.314	113243	70115	NoCal	11.489	#
15)	TM 2-NITROTO...	0.000	12.706	0	50185	N.D.	11.854	#
16)	TM 4-NITROTO...	0.000	13.316	0	48175	N.D.	11.550	#
17)	TM 3-NITROTO...	0.000	14.175	0	58409	N.D.	11.759	#
18)	TM PETN	0.000	0.000	0	0	N.D.	N.D.	

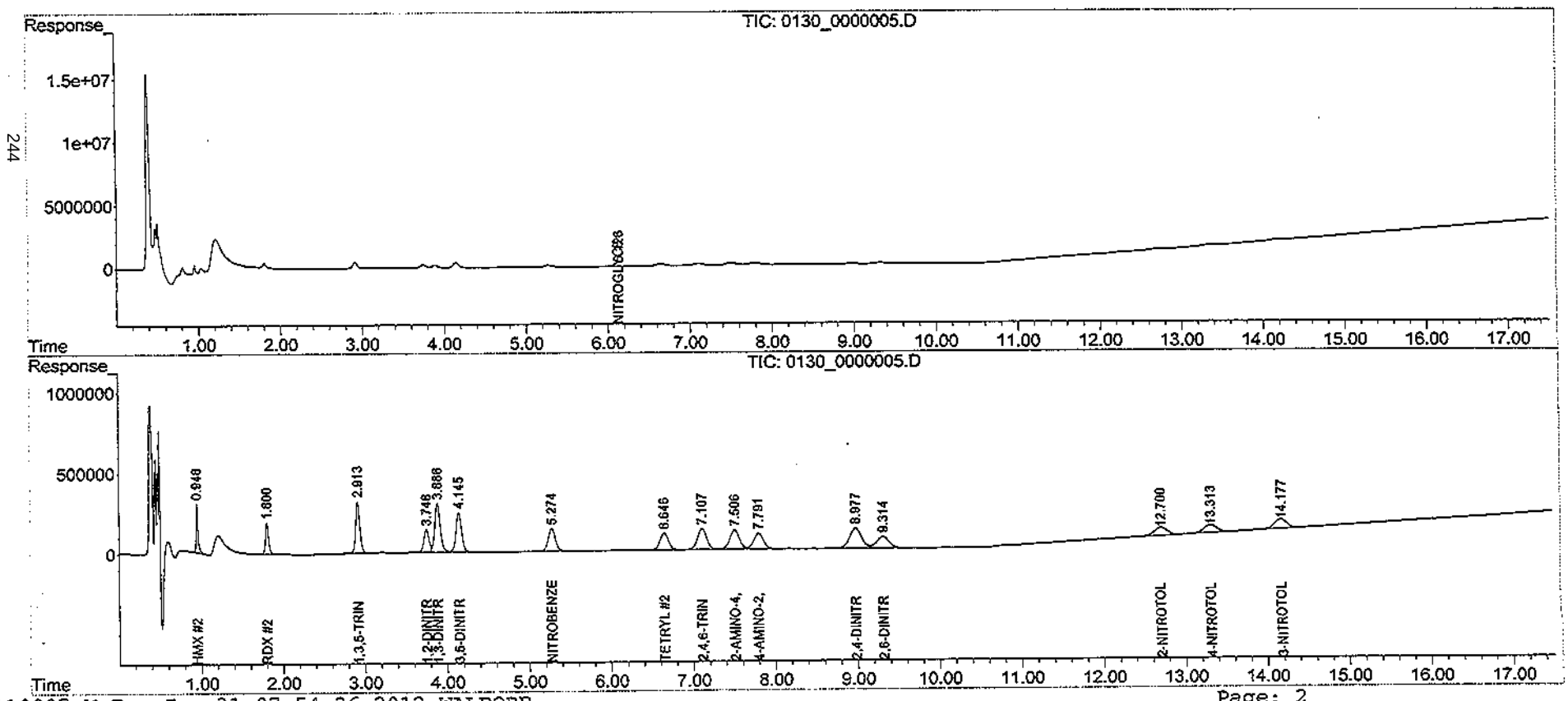
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000005.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 12:20:27
Operator : mp
Sample : 8830B_CB 0.01 PPM 01/30/12
Misc :
ALS Vial : 4097 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:12 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000006.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 12:57:53
Operator : mp
Sample : 8830B_CB 0.02 PPM 01/30/12
Misc :
ALS Vial : 4098 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:14 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.749	0	279070	N.D.	23.442	#
	Spiked Amount 62.500			Recovery	=	0.00%	37.51%	
	Target Compounds							
1)	TM HMX	0.000	0.949	0	596801	N.D.	24.697	#
2)	TM RDX	0.000	1.801	0	380739	N.D.	23.879	#
3)	TM 1,3,5-TRI...	0.000	2.914	0	631470	N.D.	23.061	#
5)	TM 1,3-DINIT...	0.000	3.886	0	600521	N.D.	23.153	#
6)	TM 3,5-DINIT...	0.000	4.145	0	518340	N.D.	26.429	#
7)	TM NITROBENZENE	0.000	5.273	0	275313	N.D.	22.885	#
8)	TM NITROGLYC...	6.130	0.000	122485	0	25.928	N.D.	#
9)	TM TETRYL	6.645	6.645	340045	199123	NoCal	22.785	#
10)	TM 2,4,6-TRI...	7.105	7.105	336670	256284	NoCal	22.948	#
11)	TM 2-AMINO-4...	7.502	7.502	375202	238771	NoCal	24.522	#
12)	TM 4-AMINO-2...	7.793	7.793	366649	188074	NoCal	23.906	#
13)	TM 2,4-DINIT...	8.970	8.979	163706	244455	NoCal	23.122	#
14)	TM 2,6-DINIT...	9.313	9.311	211367	138600	NoCal	22.711	#
15)	TM 2-NITROTO...	0.000	12.702	0	97207	N.D.	22.961	#
16)	TM 4-NITROTO...	0.000	13.311	0	95057	N.D.	22.791	#
17)	TM 3-NITROTO...	0.000	14.171	0	115073	N.D.	23.167	#
18)	TM PETN	16.008	0.000	93499	0	24.179	N.D.	#

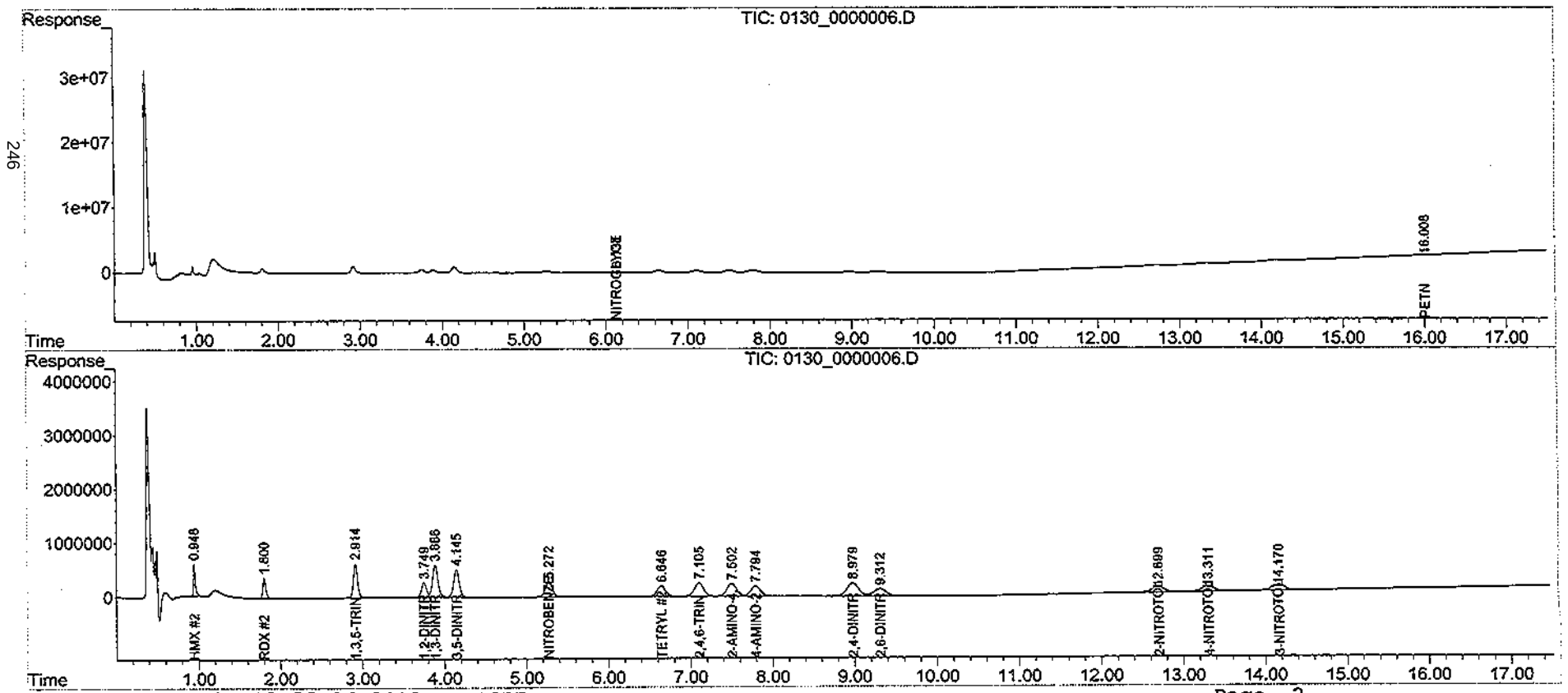
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000006.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 12:57:53
Operator : mp
Sample : 8830B_CB 0.02 PPM 01/30/12
Misc :
ALS Vial : 4098 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:14 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000007.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 13:35:20
Operator : mp
Sample : 8830B_CB 0.05 PPM 01/30/12
Misc :
ALS Vial : 4099 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:16 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4) S	1,2-DINIT...	0.000	3.747	0	698329	N.D.	58.659	#
Spiked Amount	62.500			Recovery	=	0.00%	93.85%	
	Target Compounds							
1) TM	HMX	0.000	0.949	0	1491883	N.D.	61.738	#
2) TM	RDX	0.000	1.800	0	961454	N.D.	60.300	#
3) TM	1,3,5-TRI...	0.000	2.912	0	1589883	N.D.	58.061	#
5) TM	1,3-DINIT...	0.000	3.884	0	1511468	N.D.	58.274	#
6) TM	3,5-DINIT...	0.000	4.143	0	1245058	N.D.	63.482	#
7) TM	NITROBENZENE	0.000	5.270	0	699618	N.D.	58.155	#
8) TM	NITROGLYC...	6.125	0.000	289762	0	61.337	N.D.	#
9) TM	TETRYL	6.643	6.643	849283	507538	NoCal	58.076	#
10) TM	2,4,6-TRI...	7.103	7.103	847679	648090	NoCal	58.031	#
11) TM	2-AMINO-4...	7.498	7.498	926970	606794	NoCal	62.319	#
12) TM	4-AMINO-2...	7.789	7.788	907539	481877	NoCal	61.250	#
13) TM	2,4-DINIT...	8.970	8.974	450562	622938	NoCal	58.920	#
14) TM	2,6-DINIT...	9.306	9.306	493266	350689	NoCal	57.465	#
15) TM	2-NITROTO...	0.000	12.692	0	250448	N.D.	59.158	#
16) TM	4-NITROTO...	0.000	13.299	0	243523	N.D.	58.387	#
17) TM	3-NITROTO...	0.000	14.160	0	294798	N.D.	59.351	#
18) TM	PETN	15.994	0.000	216730	0	56.048	N.D.	#

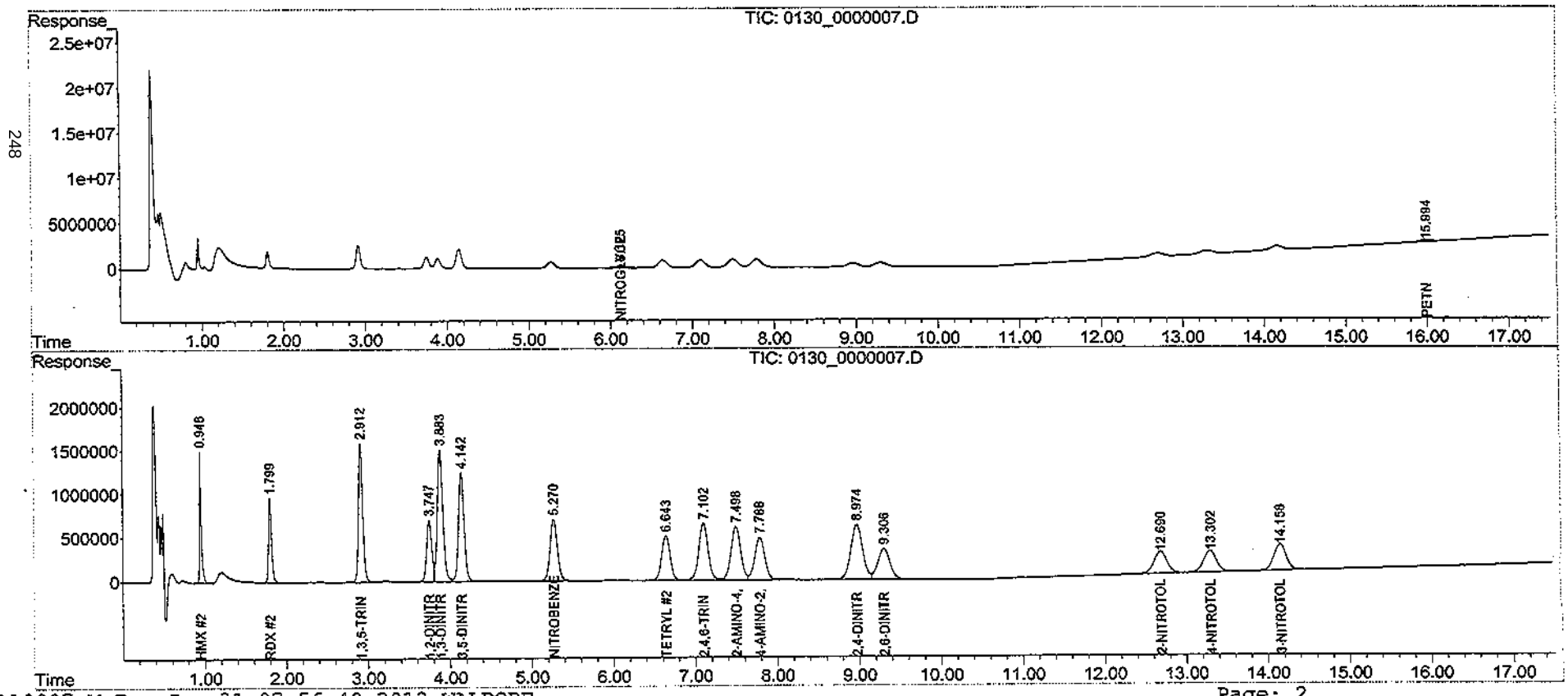
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000007.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 13:35:20
Operator : mp
Sample : 8830B_CB 0.05 PPM 01/30/12
Misc :
ALS Vial : 4099 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:16 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000008.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 14:12:46
Operator : mp
Sample : 8830B_CB 0.1 PPM 01/30/12
Misc :
ALS Vial : 4100 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:18 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4) S	1,2-DINIT...	0.000	3.747	0	1417131	N.D.	119.038	#
Spiked Amount	62.500			Recovery	=	0.00%	190.46%	
	Target Compounds							
1) TM	HMX	0.000	0.950	0	3020082	N.D.	124.979	#
2) TM	RDX	0.000	1.801	0	1935079	N.D.	121.363	#
3) TM	1,3,5-TRI...	0.000	2.913	0	3208656	N.D.	117.177	#
5) TM	1,3-DINIT...	0.000	3.884	0	3063543	N.D.	118.113	#
6) TM	3,5-DINIT...	0.000	4.142	0	2496522	N.D.	127.291	#
7) TM	NITROBENZENE	0.000	5.269	0	1413859	N.D.	117.526	#
8) TM	NITROGLYC...	6.125	0.000	525028	0	111.138	N.D.	#
9) TM	TETRYL	6.640	6.640	1668109	1021061	NoCal	116.837	#
10) TM	2,4,6-TRI...	7.102	7.102	1654609	1314563	NoCal	117.709	#
11) TM	2-AMINO-4...	7.495	7.494	1824013	1231831	NoCal	126.512	#
12) TM	4-AMINO-2...	7.786	7.786	1772002	971854	NoCal	123.530	#
13) TM	2,4-DINIT...	8.971	8.972	880676	1258388	NoCal	119.024	#
14) TM	2,6-DINIT...	9.306	9.305	959379	704858	NoCal	115.499	#
15) TM	2-NITROTO...	0.000	12.693	0	503647	N.D.	118.965	#
16) TM	4-NITROTO...	0.000	13.301	0	491719	N.D.	117.894	#
17) TM	3-NITROTO...	0.000	14.163	0	592330	N.D.	119.252	#
18) TM	PETN	15.996	0.000	419179	0	108.403	N.D.	#

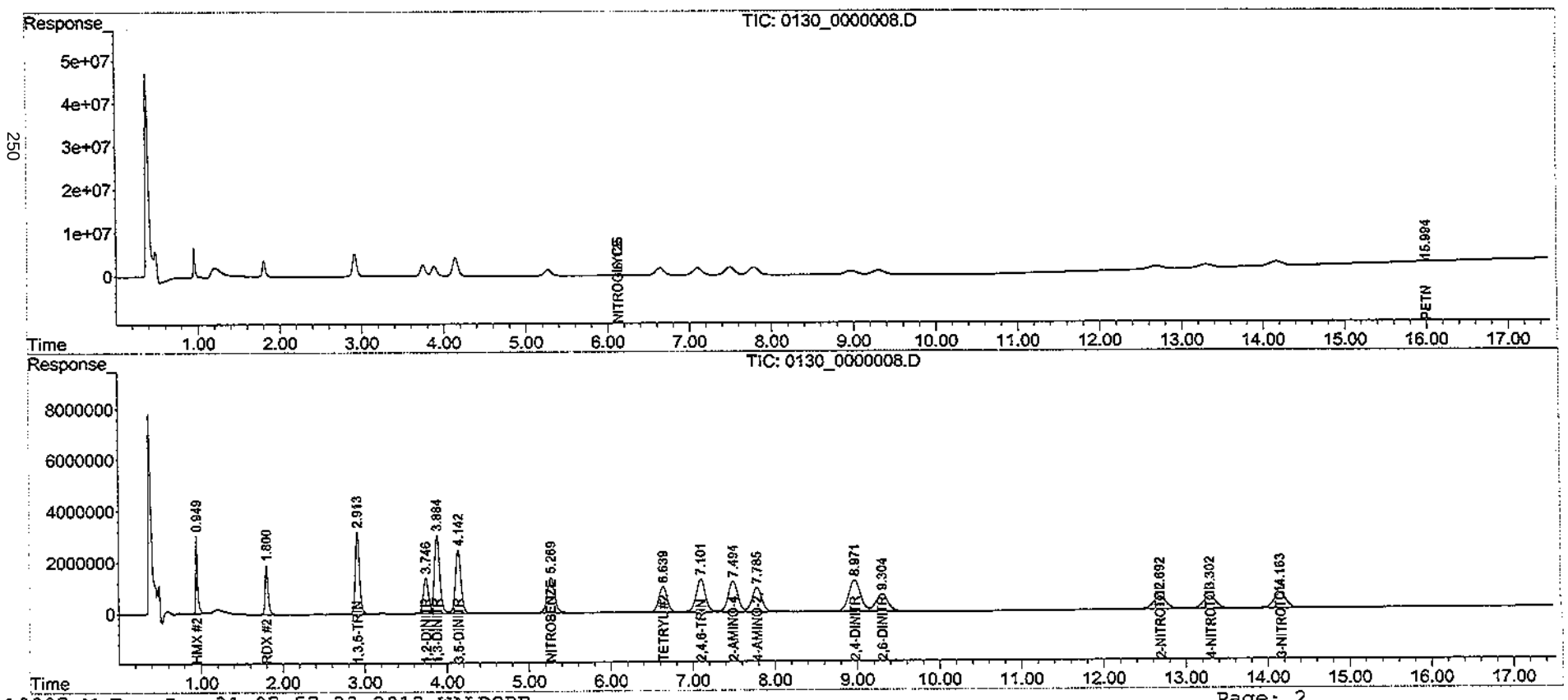
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000008.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 14:12:46
Operator : mp
Sample : 8830B_CB 0.1 PPM 01/30/12
Misc :
ALS Vial : 4100 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:18 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000009.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 14:50:12
Operator : mp
Sample : 8830B_CB 0.2 PPM 01/30/12
Misc :
ALS Vial : 4101 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:20 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.741	0	2790873	N.D.	234.432	#
	Spiked Amount 62.500			Recovery	=	0.00%	375.09%	
	Target Compounds							
1)	TM HMX	0.000	0.948	0	5888471	N.D.	243.681	#
2)	TM RDX	0.000	1.799	0	3884260	N.D.	243.611	#
3)	TM 1,3,5-TRI...	0.000	2.909	0	6416516	N.D.	234.325	#
5)	TM 1,3-DINIT...	0.000	3.879	0	6080171	N.D.	234.418	#
6)	TM 3,5-DINIT...	0.000	4.136	0	5125781	N.D.	261.350	#
7)	TM NITROBENZENE	0.000	5.266	0	2772476	N.D.	230.460	#
8)	TM NITROGLYC...	6.107	0.000	1028470	0	217.707	N.D.	#
9)	TM TETRYL	6.626	6.626	3221537	1972419	NoCal	225.698	#
10)	TM 2,4,6-TRI...	7.087	7.087	3224359	2549952	NoCal	228.328	#
11)	TM 2-AMINO-4...	7.482	7.482	3513966	2386952	NoCal	245.146	#
12)	TM 4-AMINO-2...	7.772	7.772	3413125	1881007	NoCal	239.089	#
13)	TM 2,4-DINIT...	8.957	8.957	1764865	2453692	NoCal	232.081	#
14)	TM 2,6-DINIT...	9.289	9.289	1886480	1370289	NoCal	224.538	#
15)	TM 2-NITROTO...	0.000	12.683	0	968566	N.D.	228.783	#
16)	TM 4-NITROTO...	0.000	13.291	0	946299	N.D.	226.884	#
17)	TM 3-NITROTO...	0.000	14.155	0	1139786	N.D.	229.469	#
18)	TM PETN	15.981	0.000	848667	0	219.471	N.D.	#

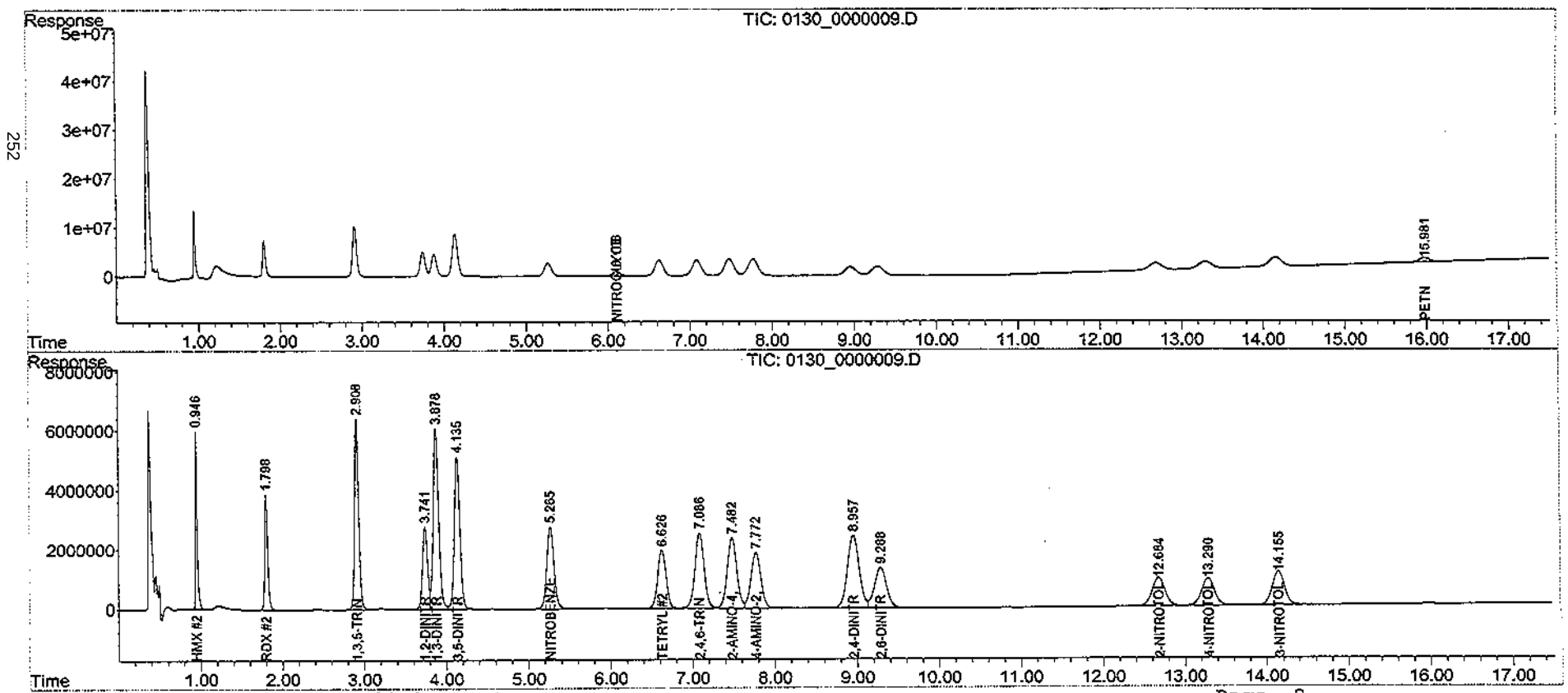
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000009.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 14:50:12
Operator : mp
Sample : 8830B_CB 0.2 PPM 01/30/12
Misc :
ALS Vial : 4101 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:20 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000010.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 15:27:39
Operator : mp
Sample : 8830B_CB 0.5 PPM 01/30/12
Misc :
ALS Vial : 4102 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:22 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4) S	1,2-DINIT...	0.000	3.743	0	6940646	N.D.	583.011	#
Spiked Amount	62.500			Recovery	=	0.00%	932.82%	
	Target Compounds							
1) TM	HMX	0.000	0.948	0	14217365	N.D.	588.355	#
2) TM	RDX	0.000	1.797	0	8996618	N.D.	564.245	#
3) TM	1,3,5-TRI...	0.000	2.909	0	15346795	N.D.	560.451	#
5) TM	1,3-DINIT...	0.000	3.879	0	14895805	N.D.	574.300	#
6) TM	3,5-DINIT...	0.000	4.139	0	12208006	N.D.	622.454	#
7) TM	NITROBENZENE	0.000	5.264	0	6934531	N.D.	576.428	#
8) TM	NITROGLYC...	6.126	0.000	2595124	0	549.338	N.D.	#
9) TM	TETRYL	6.643	6.643	8349482	5105934	NoCal	584.258	#
10) TM	2,4,6-TRI...	7.103	7.103	8334551	6606213	NoCal	591.535	#
11) TM	2-AMINO-4...	7.495	7.495	9125421	6187316	NoCal	635.452	#
12) TM	4-AMINO-2...	7.787	7.787	8852558	4870448	NoCal	619.069	#
13) TM	2,4-DINIT...	8.971	8.971	4556832	6361186	NoCal	601.670	#
14) TM	2,6-DINIT...	9.305	9.305	4880144	3549893	NoCal	581.691	#
15) TM	2-NITROTO...	0.000	12.688	0	2553602	N.D.	603.180	#
16) TM	4-NITROTO...	0.000	13.295	0	2502848	N.D.	600.082	#
17) TM	3-NITROTO...	0.000	14.160	0	3028315	N.D.	609.680	#
18) TM	PETN	15.996	0.000	2249019	0	581.612	N.D.	#

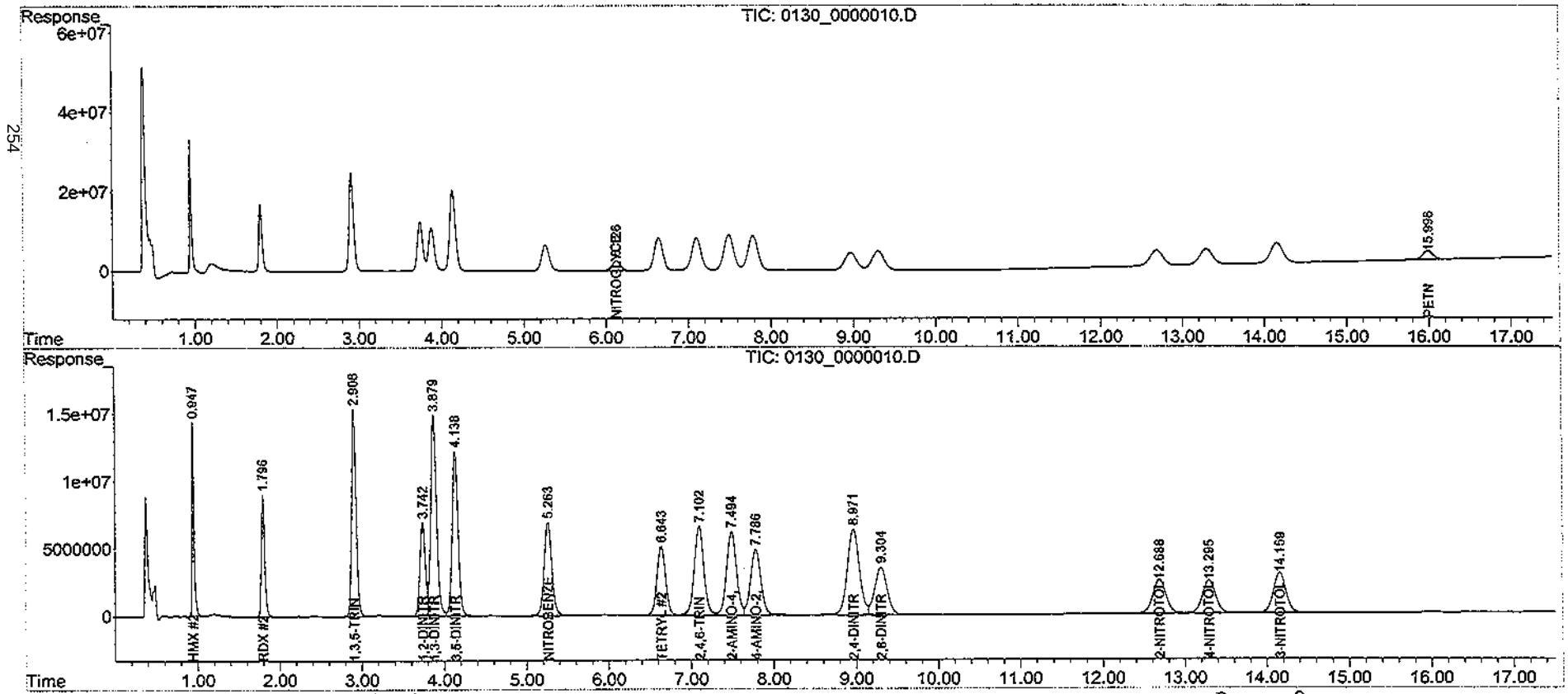
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000010.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 15:27:39
Operator : mp
Sample : 8830B_CB 0.5 PPM 01/30/12
Misc :
ALS Vial : 4102 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:22 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000011.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 16:05:06
Operator : mp
Sample : 8830B_CB 1.0 PPM 01/30/12
Misc :
ALS Vial : 4103 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:24 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4) S	1,2-DINIT...	0.000	3.752	0	13933702	N.D.	1170.425	#
Spiked Amount	62.500			Recovery	=	0.00%	1872.68%	
	Target Compounds							
1) TM	HMX	0.000	0.949	0	28319958	N.D.	1171.959	#
2) TM	RDX	0.000	1.800	0	17990471	N.D.	1128.316	#
3) TM	1,3,5-TRI...	0.000	2.917	0	30614228	N.D.	1118.004	#
5) TM	1,3-DINIT...	0.000	3.889	0	29817153	N.D.	1149.585	#
6) TM	3,5-DINIT...	0.000	4.149	0	24351428	N.D.	1241.615	#
7) TM	NITROBENZENE	0.000	5.278	0	13910609	N.D.	1156.309	#
8) TM	NITROGLYC...	6.145	6.143	5157923	106270	1091.834	NoCal	#
9) TM	TETRYL	6.671	6.671	16762076	10268073	NoCal	1174.946	#
10) TM	2,4,6-TRI...	7.133	7.133	16607140	13173668	NoCal	1179.600	#
11) TM	2-AMINO-4...	7.520	7.520	18209141	12380128	NoCal	1271.469	#
12) TM	4-AMINO-2...	7.815	7.815	17630086	9697138	NoCal	1232.576	#
13) TM	2,4-DINIT...	9.006	9.005	9156912	12737799	NoCal	1204.800	#
14) TM	2,6-DINIT...	9.341	9.341	9784688	7111957	NoCal	1165.377	#
15) TM	2-NITROTO...	0.000	12.728	0	5159271	N.D.	1218.660	#
16) TM	4-NITROTO...	0.000	13.334	0	5061551	N.D.	1213.557	#
17) TM	3-NITROTO...	0.000	14.197	0	6118470	N.D.	1231.809	#
18) TM	PETN	16.033	0.000	4551781	0	1177.123	N.D.	#

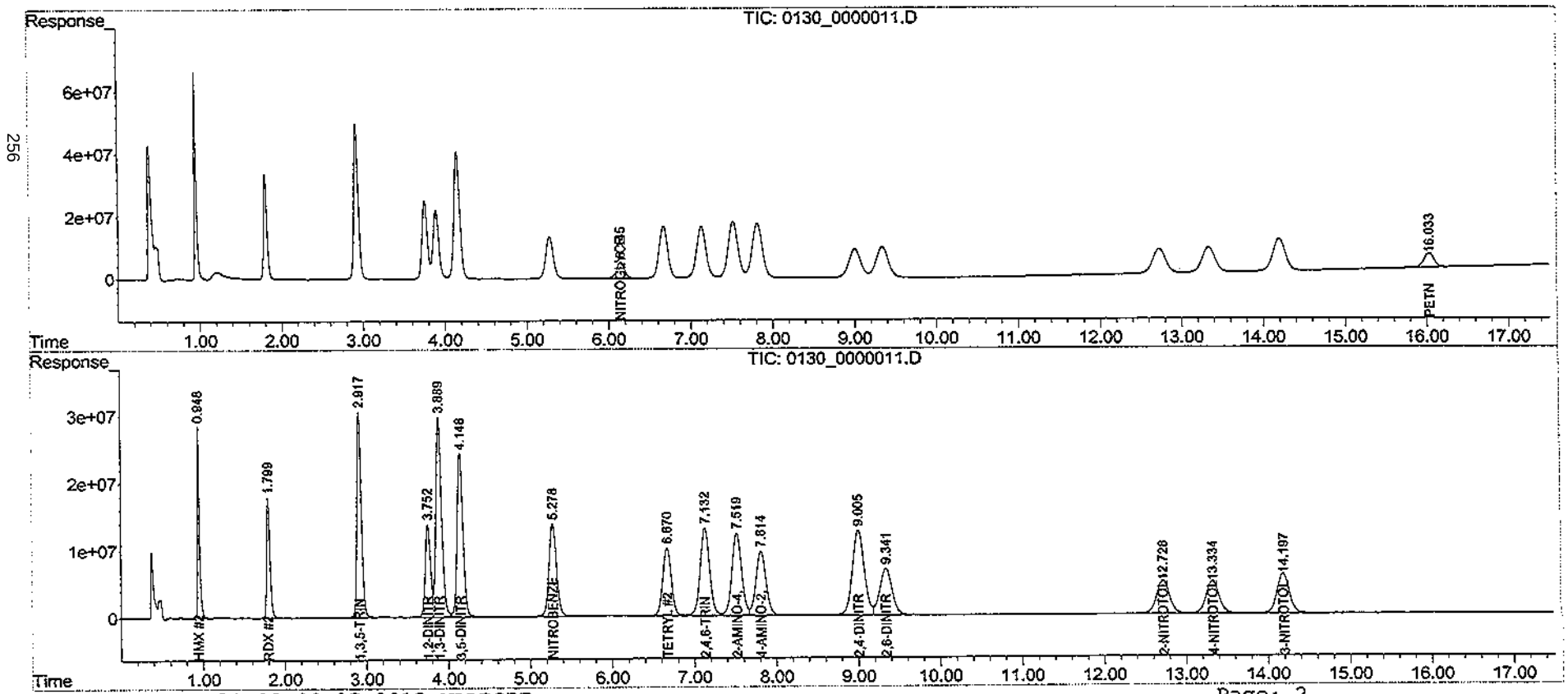
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000011.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 16:05:06
Operator : mp
Sample : 8830B_CB 1.0 PPM 01/30/12
Misc :
ALS Vial : 4103 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 07:52:24 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000012.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 16:42:32
Operator : mp
Sample : 8830B_MX-A 2.0 PPM 01/30/12
Misc :
ALS Vial : 4104 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 08:00:35 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.753	0	27650957	N.D.	2322.669	#
	Spiked Amount 62.500			Recovery	=	0.00%	3716.27%	
	Target Compounds							
1)	TM HMX	0.000	0.950	0	53966062	N.D.	2233.267	#
2)	TM RDX	0.000	1.801	0	35237652	N.D.	2210.015	#
3)	TM 1,3,5-TRI...	0.000	2.919	0	60179768	N.D.	2197.711	#
5)	TM 1,3-DINIT...	0.000	3.891	0	58810916	N.D.	2267.424	#
6)	TM 3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.	
7)	TM NITROBENZENE	0.000	5.278	0	27371528	N.D.	2275.237	#
8)	TM NITROGLYC...	0.000	6.243	0	66577	N.D. d	NoCal	
9)	TM TETRYL	6.673	6.673	33726477	20667366	NoCal	2364.908	#
10)	TM 2,4,6-TRI...	7.137	7.137	32657891	25937519	NoCal	2322.504	#
11)	TM 2-AMINO-4...	7.517	7.517	35865113	24412298	NoCal	2507.202	#
12)	TM 4-AMINO-2...	7.814	7.814	34629131	19016229	NoCal	2417.100	#
13)	TM 2,4-DINIT...	9.006	9.006	18140454	25138453	NoCal	2377.710	#
14)	TM 2,6-DINIT...	9.343	9.343	19058611	13887490	NoCal	2275.627	#
15)	TM 2-NITROTO...	0.000	12.727	0	10099759	N.D.	2385.641	#
16)	TM 4-NITROTO...	0.000	13.332	0	9960450	N.D.	2388.116	#
17)	TM 3-NITROTO...	0.000	14.196	0	12039075	N.D.	2423.783	#
18)	TM PETN	0.000	0.000	0	0	N.D.	N.D.	

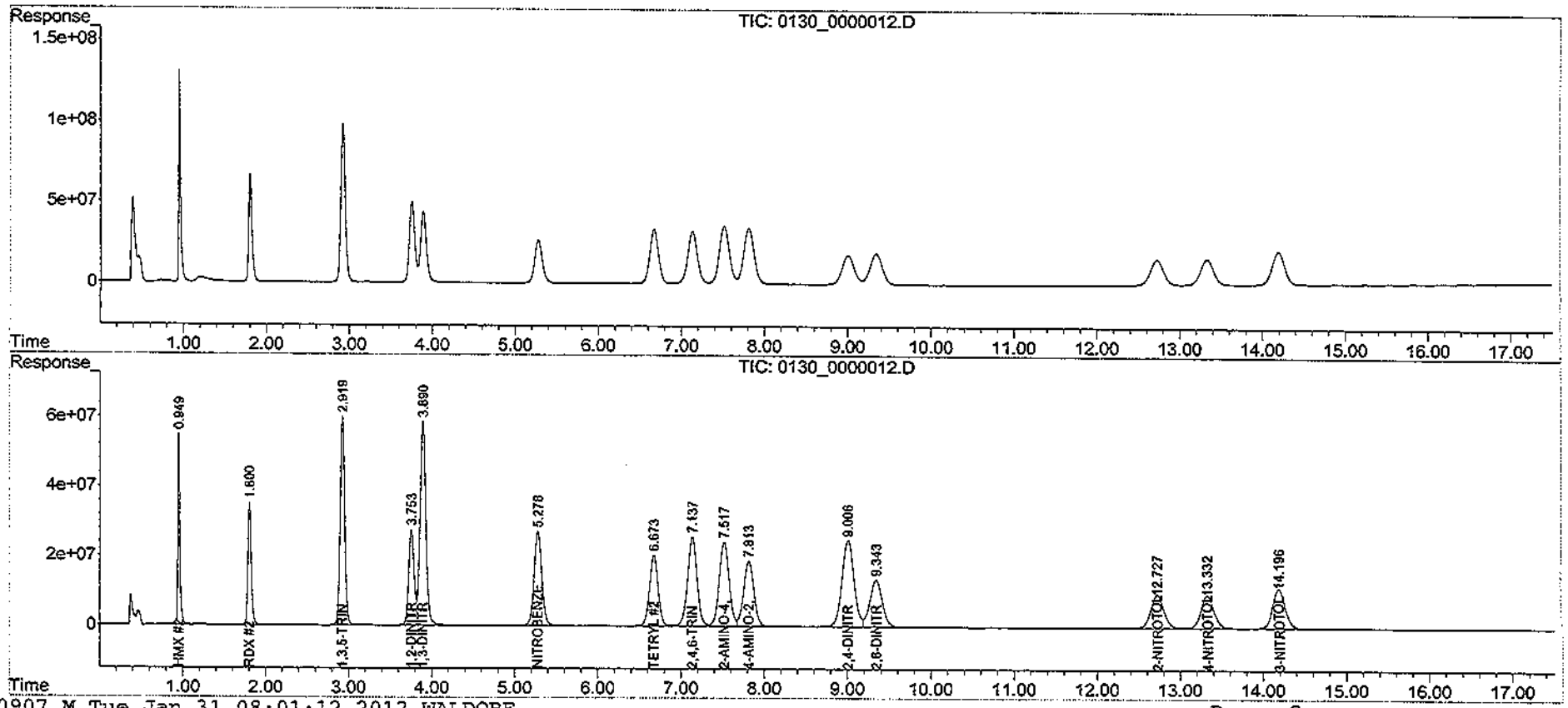
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000012.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 16:42:32
Operator : mp
Sample : 8830B_MX-A 2.0 PPM 01/30/12
Misc :
ALS Vial : 4104 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 08:00:35 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000013.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 17:19:58
Operator : mp
Sample : 8830B_MX-B 2.0 PPM 01/30/12
Misc :
ALS Vial : 4160 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 08:01:50 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4) S	1,2-DINIT...	0.000	0.000	0	0	N.D.	N.D.	
Spiked Amount	62.500			Recovery	=	0.00%	0.00%	
	Target Compounds							
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.	
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D.	
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.	d
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.	d
6) TM	3,5-DINIT...	0.000	4.150	0	48267489	N.D.	2461.031	#
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.	
8) TM	NITROGLYC...	6.148	6.149	10264447	185815	2172.787	NoCal	#
9) TM	TETRYL	6.699	0.000	17554	0	NoCal	N.D.	
10) TM	2,4,6-TRI...	7.056	0.000	41082	0	NoCal	N.D.	
11) TM	2-AMINO-4...	7.500	0.000	34133	0	NoCal	N.D.	
12) TM	4-AMINO-2...	7.822	0.000	44265	0	NoCal	N.D.	
13) TM	2,4-DINIT...	8.915	0.000	31430	0	NoCal	N.D.	
14) TM	2,6-DINIT...	9.344	0.000	223500	0	NoCal	N.D.	d
15) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.	d
16) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.	
17) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.	d
18) TM	PETN	16.037	0.000	9104187	0	2354.407	N.D.	#

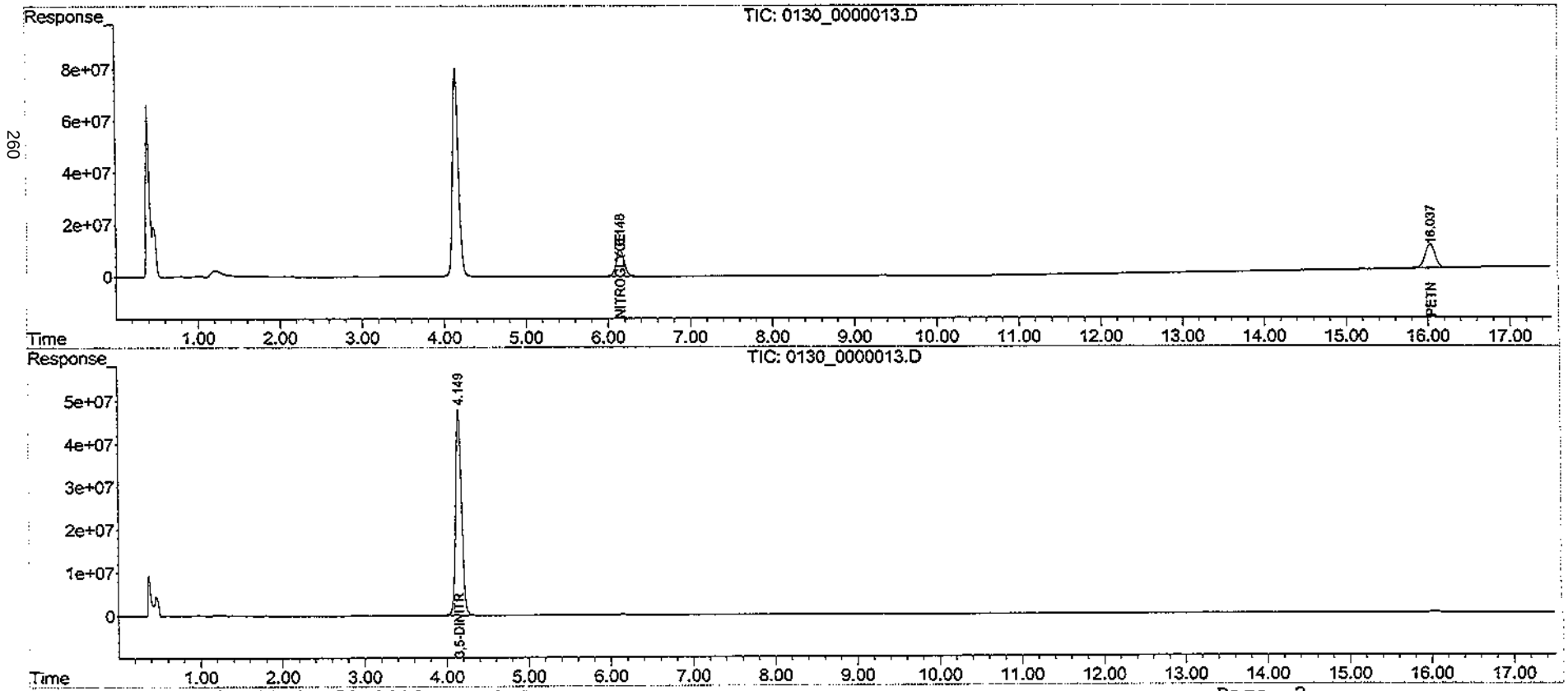
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000013.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 17:19:58
Operator : mp
Sample : 8830B_MX-B 2.0 PPM 01/30/12
Misc :
ALS Vial : 4160 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 08:01:50 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Fri Jan 06 08:13:57 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000014.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 17:57:25
Operator : mp
Sample : 8830B_SS 1.0 PPM 01/30/12
Misc :
ALS Vial : 4161 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 08:12:57 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.756	0	14072144	N.D.	1004.996	#
	Spiked Amount 62.500			Recovery =		0.00%	1607.99%	
	Target Compounds							
1)	TM HMX	0.000	0.952	0	29476143	N.D.	1007.927	#
2)	TM RDX	0.000	1.803	0	18380279	N.D.	978.319	#
3)	TM 1,3,5-TRI...	0.000	2.921	0	30304728	N.D.	961.715	#
5)	TM 1,3-DINIT...	0.000	3.893	0	30551565	N.D.	1013.666	#
6)	TM 3,5-DINIT...	0.000	4.153	0	26323499	N.D.	1026.404	#
7)	TM NITROBENZENE	0.000	5.281	0	13922535	N.D.	998.607	#
8)	TM NITROGLYC...	6.148	6.145	5522927	117796	1073.842	NoCal	#
9)	TM TETRYL	6.676	6.676	14430548	8845938	NoCal	869.385	#
10)	TM 2,4,6-TRI...	7.138	7.138	16006768	12700385	NoCal	974.760	#
11)	TM 2-AMINO-4...	7.524	7.524	18660616	12690628	NoCal	1044.707	#
12)	TM 4-AMINO-2...	7.819	7.819	18986754	10443669	NoCal	1090.959	#
13)	TM 2,4-DINIT...	9.010	9.010	9563215	13319976	NoCal	1060.884	#
14)	TM 2,6-DINIT...	9.347	9.347	9656064	7043586	NoCal	996.054	#
15)	TM 2-NITROTO...	0.000	12.731	0	5178966	N.D.	1038.845	#
16)	TM 4-NITROTO...	0.000	13.336	0	5037825	N.D.	1032.033	#
17)	TM 3-NITROTO...	0.000	14.198	0	6263188	N.D.	1066.683	#
18)	TM PETN	16.035	0.000	4457865	0	1005.104	N.D.	#

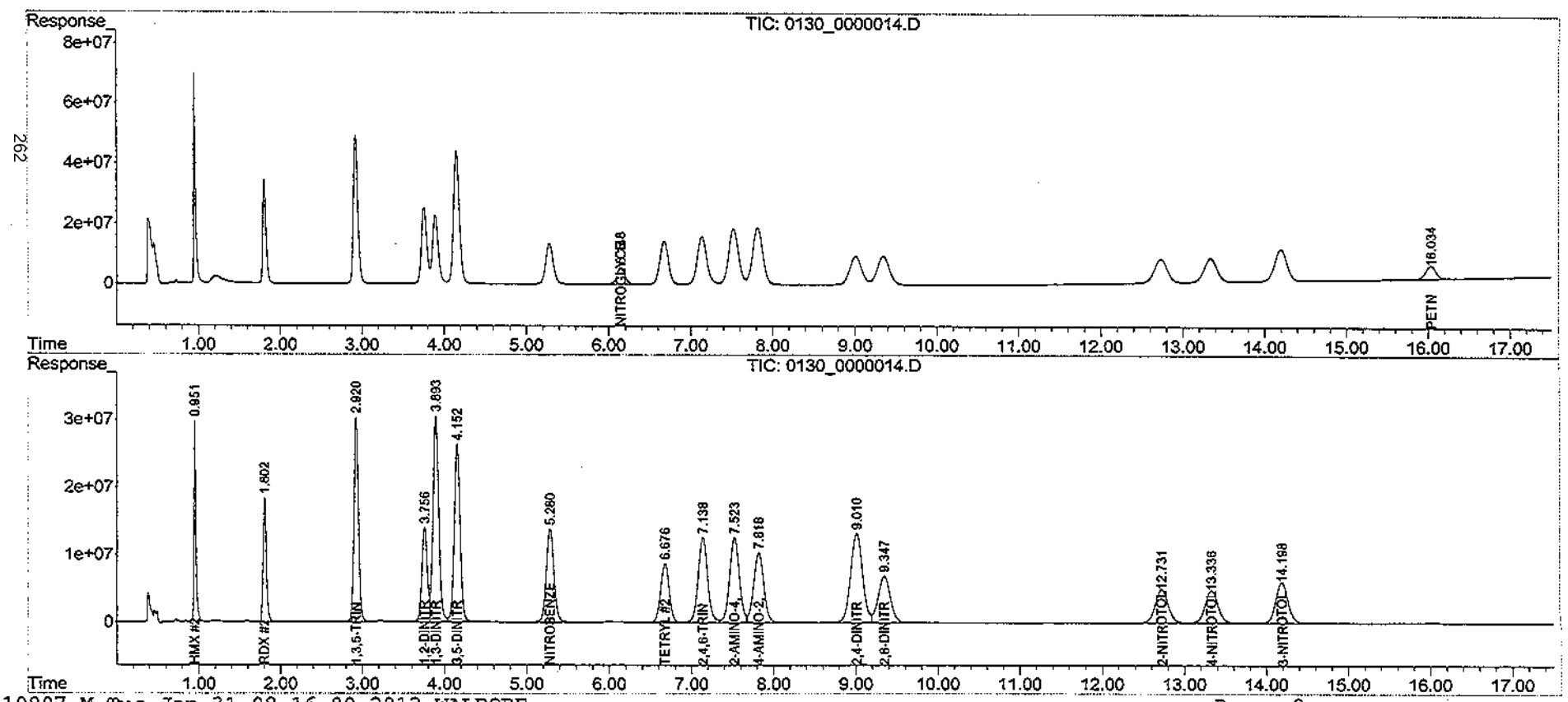
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : H:\WALDORF\CHEM32\1\DATA\120130\
Data File : 0130_0000014.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 30-Jan-2012, 17:57:25
Operator : mp
Sample : 8830B_SS 1.0 PPM 01/30/12
Misc :
ALS Vial : 4161 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Jan 31 08:12:57 2012
Quant Method : H:\WALDORF\CHEM32\1\DATA\120130\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120305\
Data File : 0305_0000018.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 05-Mar-2012, 20:51:44
Operator : mp
Sample : 8330_CCV 1.0 PPM 03/05/12
Misc :
ALS Vial : 4424 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 06 08:14:05 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120305\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.767	0	13784380	N.D.	984.444	#
	Spiked Amount 62.500			Recovery =		0.00%	1575.11%	
	Target Compounds							
1)	TM HMX	0.000	0.954	0	28197065	N.D.	964.190	#
2)	TM RDX	0.000	1.810	0	17955416	N.D.	955.705	#
3)	TM 1,3,5-TRI...	0.000	2.938	0	30623137	N.D.	971.820	#
5)	TM 1,3-DINIT...	0.000	3.911	0	29574820	N.D.	981.259	#
6)	TM 3,5-DINIT...	0.000	4.159	0	24015573	N.D.	936.414	#
7)	TM NITROBENZENE	0.000	5.293	0	13744960	N.D.	985.870	#
8)	TM NITROGLYC...	6.198	6.198	5036405	112012	979.014	NoCal	#
9)	TM TETRYL	6.704	6.704	18546150	11360296	NoCal	1116.498	#
10)	TM 2,4,6-TRI...	7.180	7.180	16500045	13114354	NoCal	1006.532	#
11)	TM 2-AMINO-4...	7.532	7.532	18808391	12796031	NoCal	1053.384	#
12)	TM 4-AMINO-2...	7.820	7.820	18183899	10009487	NoCal	1045.604	#
13)	TM 2,4-DINIT...	9.051	9.051	9130747	12667339	NoCal	1008.904	#
14)	TM 2,6-DINIT...	9.386	9.386	9809175	7128115	NoCal	1008.007	#
15)	TM 2-NITROTO...	0.000	12.752	0	5137215	N.D.	1030.470	#
16)	TM 4-NITROTO...	0.000	13.353	0	5071510	N.D.	1038.933	#
17)	TM 3-NITROTO...	0.000	14.215	0	6103197	N.D.	1039.435	#
18)	TM PETN	16.132	0.000	4534707	0	1022.430	N.D.	#

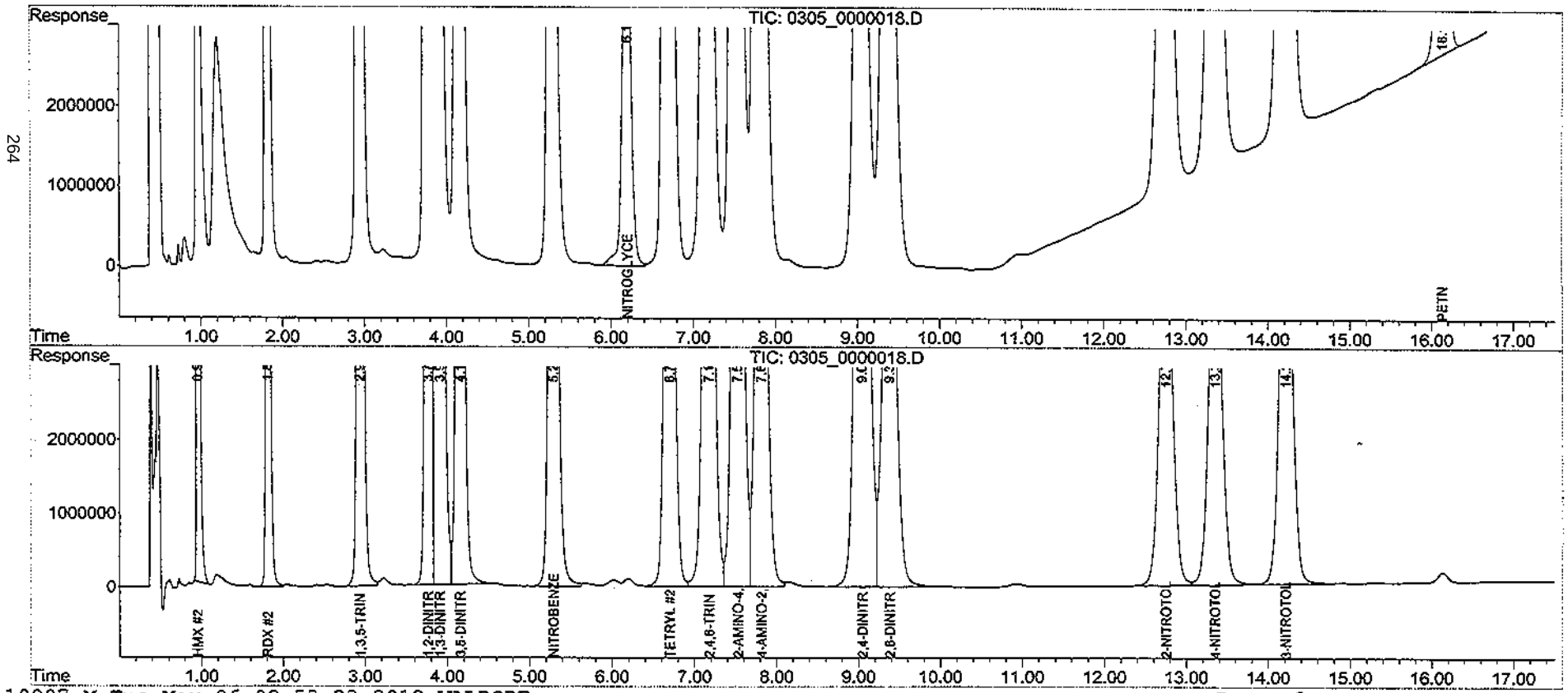
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120305\
Data File : 0305_0000018.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 05-Mar-2012, 20:51:44
Operator : mp
Sample : 8330_CCV 1.0 PPM 03/05/12
Misc :
ALS Vial : 4424 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 06 08:14:05 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120305\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120305\
Data File : 0305_0000032.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 06-Mar-2012, 04:56:16
Operator : mp
Sample : 8330_CCV 1.0 PPM 03/05/12
Misc :
ALS Vial : 4424 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 06 08:14:07 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120305\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4)	S 1,2-DINIT...	0.000	3.762	0	13900188	N.D.	992.715	#
	Spiked Amount 62.500			Recovery =		0.00%	1588.34%	
	Target Compounds							
1)	TM HMX	0.000	0.952	0	28266217	N.D.	966.554	#
2)	TM RDX	0.000	1.807	0	17862123	N.D.	950.739	#
3)	TM 1,3,5-TRI...	0.000	2.933	0	30563496	N.D.	969.927	#
5)	TM 1,3-DINIT...	0.000	3.906	0	29797433	N.D.	988.645	#
6)	TM 3,5-DINIT...	0.000	4.156	0	23940913	N.D.	933.503	#
7)	TM NITROBENZENE	0.000	5.286	0	13528061	N.D.	970.313	#
8)	TM NITROGLYC...	6.187	6.187	5078222	112279	987.165	NoCal	#
9)	TM TETRYL	6.696	6.696	18297671	11226117	NoCal	1103.311	#
10)	TM 2,4,6-TRI...	7.169	7.169	16523986	13143071	NoCal	1008.736	#
11)	TM 2-AMINO-4...	7.528	7.528	18799997	12777123	NoCal	1051.827	#
12)	TM 4-AMINO-2...	7.815	7.815	18167582	9978746	NoCal	1042.393	#
13)	TM 2,4-DINIT...	9.041	9.041	9194147	12780335	NoCal	1017.904	#
14)	TM 2,6-DINIT...	9.375	9.375	9867070	7191778	NoCal	1017.010	#
15)	TM 2-NITROTO...	0.000	12.743	0	5034317	N.D.	1009.830	#
16)	TM 4-NITROTO...	0.000	13.345	0	5000248	N.D.	1024.335	#
17)	TM 3-NITROTO...	0.000	14.208	0	6007493	N.D.	1023.136	#
18)	TM PETN	16.116	0.000	4533128	0	1022.074	N.D.	#

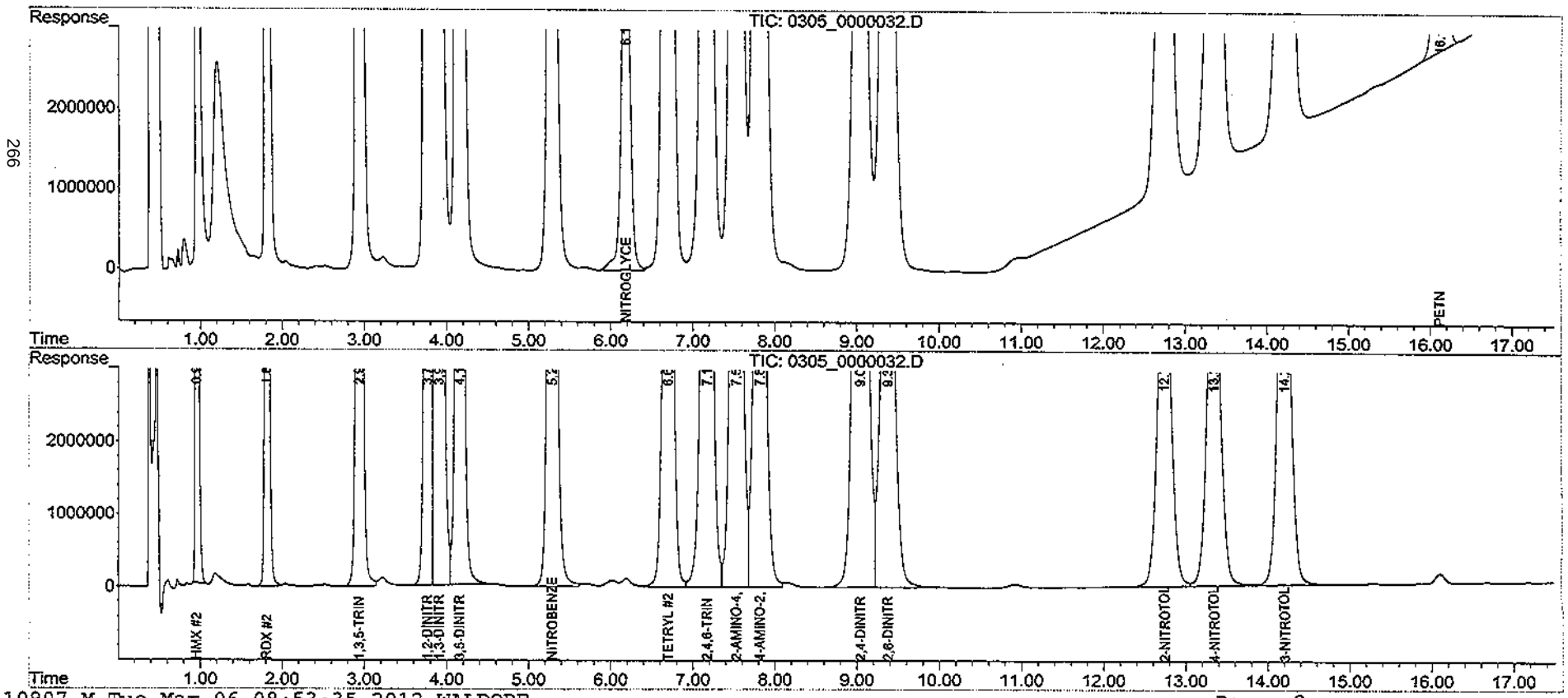
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120305\
Data File : 0305_0000032.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 06-Mar-2012, 04:56:16
Operator : mp
Sample : 8330_CCV 1.0 PPM 03/05/12
Misc :
ALS Vial : 4424 Sample Multiplier: 1

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 06 08:14:07 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120305\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



EPA METHOD 8330B
Explosives

Raw Data

APPL, INC.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120305\
Data File : 0305_0000022.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 05-Mar-2012, 22:51:42
Operator : mp
Sample : AY56027S03 7.944 DF 03/02/12
Misc : soil
ALS Vial : 8514 Sample Multiplier: 7.94439

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 06 08:54:48 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120305\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.766	0	1054294	N.D.	598.172 #
Spiked Amount	595.829			Recovery	=	0.00%	100.39%
	Target Compounds						
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D. dc MDL 3/6/12
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM	NITROGLYC...	6.130	0.000	9275	0	N.D.	N.D.
9) TM	TETRYL	6.686	0.000	16589	0	NoCal	N.D.
10) TM	2,4,6-TRI...	7.154	0.000	10611	0	NoCal	N.D.
11) TM	2-AMINO-4...	7.520	0.000	11879	0	NoCal	N.D.
12) TM	4-AMINO-2...	7.811	0.000	12032	0	NoCal	N.D.
13) TM	2,4-DINIT...	9.041	0.000	15728	0	NoCal	N.D.
14) TM	2,6-DINIT...	9.408	0.000	11856	0	NoCal	N.D.
15) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
16) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
17) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
18) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

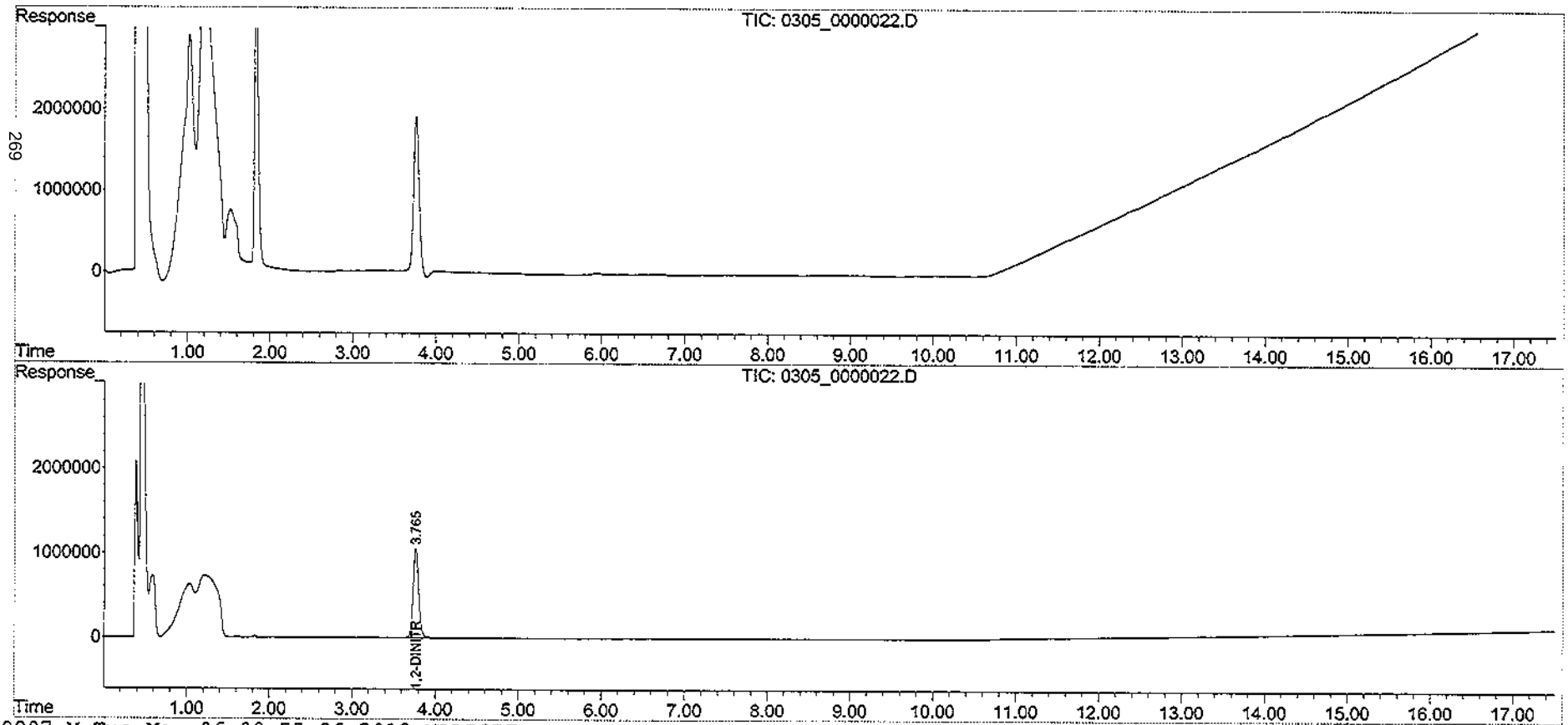
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120305\
Data File : 0305_0000022.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 05-Mar-2012, 22:51:42
Operator : mp
Sample : AY56027S03 7.944 DF 03/02/12
Misc : soil
ALS Vial : 8514 Sample Multiplier: 7.94439

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 06 08:54:48 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120305\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120305\
Data File : 0305_0000021.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 05-Mar-2012, 22:24:11
Operator : mp
Sample : 120302SBLK1A 7.984 DF 03/02/12
Misc : soil
ALS Vial : 8513 Sample Multiplier: 7.98403

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 06 08:54:08 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120305\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
4) S	1,2-DINIT...	0.000	3.767	0	1081583	N.D.	616.717 #
	Spiked Amount 598.802			Recovery	=	0.00%	102.99%
	Target Compounds						
1) TM	HMX	0.000	0.000	0	0	N.D.	N.D.
2) TM	RDX	0.000	0.000	0	0	N.D.	N.D. d<MDL nm 3/6/12
3) TM	1,3,5-TRI...	0.000	0.000	0	0	N.D.	N.D.
5) TM	1,3-DINIT...	0.000	0.000	0	0	N.D.	N.D.
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.
7) TM	NITROBENZENE	0.000	0.000	0	0	N.D.	N.D.
8) TM	NITROGLYC...	0.000	0.000	0	0	N.D.	N.D.
9) TM	TETRYL	0.000	0.000	0	0	N.D.	N.D.
10) TM	2,4,6-TRI...	0.000	0.000	0	0	N.D.	N.D.
11) TM	2-AMINO-4...	7.515	0.000	5096	0	NoCal	N.D.
12) TM	4-AMINO-2...	7.760	0.000	4810	0	NoCal	N.D.
13) TM	2,4-DINIT...	9.097	0.000	12824	0	NoCal	N.D.
14) TM	2,6-DINIT...	9.401	0.000	10688	0	NoCal	N.D.
15) TM	2-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
16) TM	4-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
17) TM	3-NITROTO...	0.000	0.000	0	0	N.D.	N.D.
18) TM	PETN	0.000	0.000	0	0	N.D.	N.D.

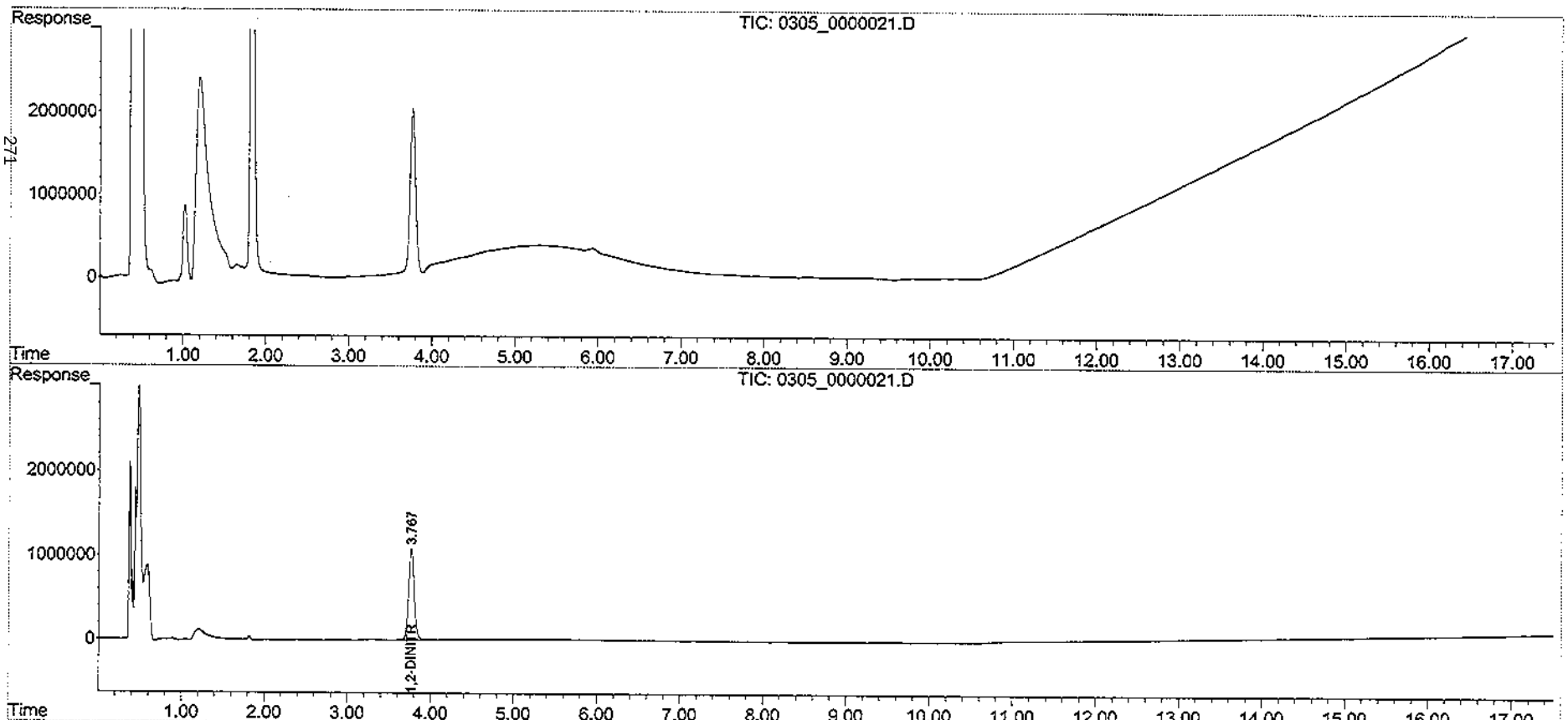
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120305\
Data File : 0305_0000021.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 05-Mar-2012, 22:24:11
Operator : mp
Sample : 120302SBLK1A 7.984 DF 03/02/12
Misc : soil
ALS Vial : 8513 Sample Multiplier: 7.98403

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 06 08:54:08 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120305\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120305\
Data File : 0305_0000020.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 05-Mar-2012, 21:56:44
Operator : mp
Sample : 120302SLCS1A 7.992 DF 03/02/12
Misc : soil
ALS Vial : 8512 Sample Multiplier: 7.99201

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 06 08:49:22 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120305\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
4) S	1,2-DINIT...	0.000	3.768	0	3504923	N.D.	2000.499	#
Spiked Amount	599.401			Recovery	=	0.00%	333.75%	
	Target Compounds							
1) TM	HMX	0.000	0.958	0	7716345	N.D.	2108.755	#
2) TM	RDX	0.000	1.810	0	4394304	N.D.	1869.281	#
3) TM	1,3,5-TRI...	0.000	2.939	0	→7932667	N.D.	2011.923	#
5) TM	1,3-DINIT...	0.000	3.911	0	7443512	N.D.	1973.766	#
6) TM	3,5-DINIT...	0.000	0.000	0	0	N.D.	N.D.	
7) TM	NITROBENZENE	0.000	5.291	0	3377617	N.D.	1936.166	#
8) TM	NITROGLYC...	6.189	6.023	5648	18841	N.D.	NoCal	
9) TM	TETRYL	6.704	6.704	4959176	3026987	NoCal	2377.579	#
10) TM	2,4,6-TRI...	7.176	7.176	4308873	3403009	NoCal	2087.372	#
11) TM	2-AMINO-4...	7.526	7.526	4784845	3232702	NoCal	2126.831	#
12) TM	4-AMINO-2...	7.813	7.813	4653211	2543935	NoCal	2123.818	#
13) TM	2,4-DINIT...	9.045	9.045	2338721	3235444	NoCal	2059.465	#
14) TM	2,6-DINIT...	9.378	9.378	2485344	1812836	NoCal	2048.818	#
15) TM	2-NITROTO...	0.000	12.751	0	1288514	N.D.	2065.630	#
16) TM	4-NITROTO...	0.000	13.355	0	1280397	N.D.	2096.289	#
17) TM	3-NITROTO...	0.000	14.216	0	1548084	N.D.	2107.127	#
18) TM	PETN	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

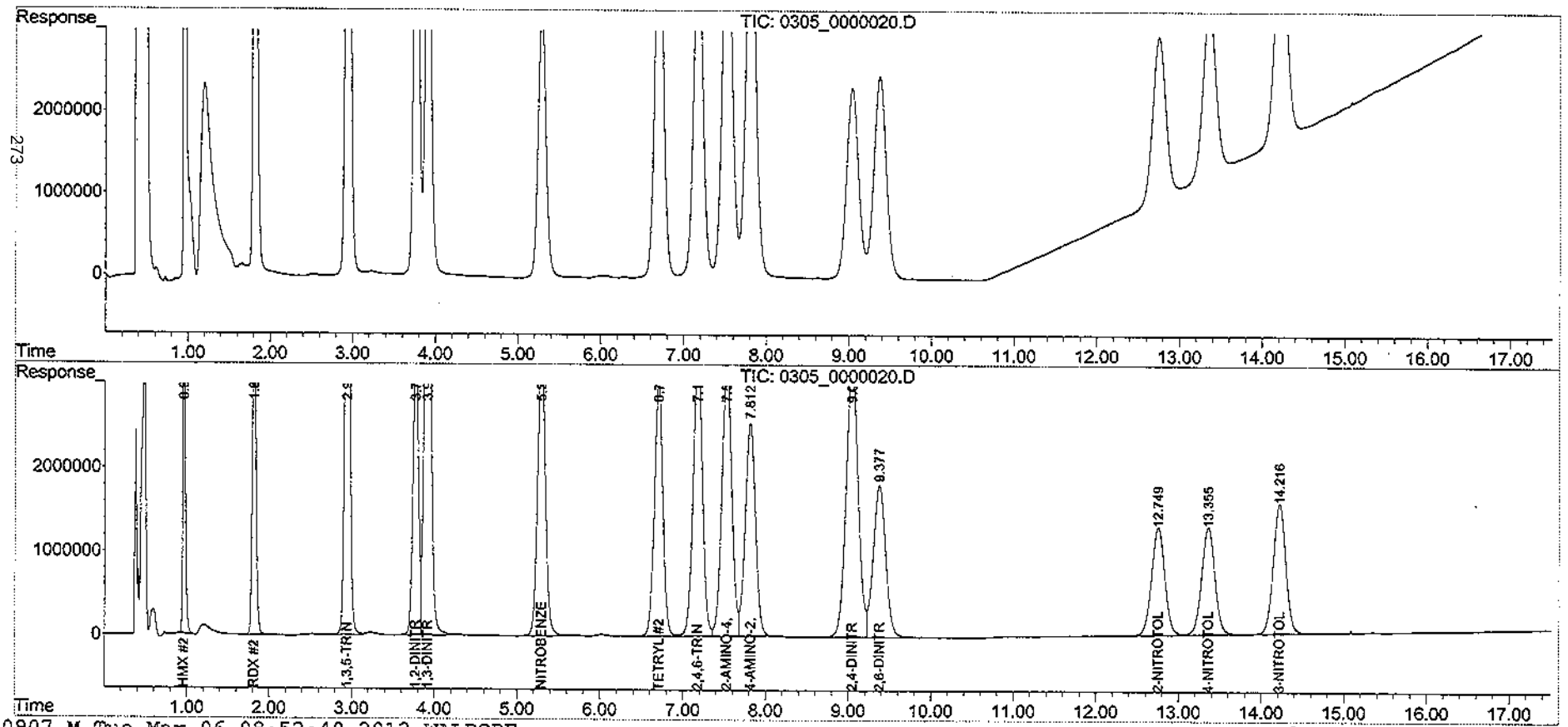
$$\text{Algo}\checkmark = \frac{(7932667)(20)(4)}{(10.01)(40)(788)} = 2011.356$$ HM 3/6/12

Quantitation Report (QT Reviewed)

Data Path : Y:\CHEM32\WALDORF\DATA\120130\120305\
Data File : 0305_0000020.D
Signal(s) : Signal #1: DAD1B.ch Signal #2: DAD1A.ch
Acq On : 05-Mar-2012, 21:56:44
Operator : mp
Sample : 120302SLCS1A 7.992 DF 03/02/12
Misc : soil
ALS Vial : 8512 Sample Multiplier: 7.99201

Integration File signal 1: Waldorf_Signal_1_110721.e
Integration File signal 2: Waldorf_Signal_2_110803.e
Quant Time: Mar 06 08:49:22 2012
Quant Method : Y:\CHEM32\WALDORF\DATA\120130\120305\W110907.M
Quant Title : 8330B - Soil - Waldorf
QLast Update : Tue Jan 31 08:12:41 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 40uL
Signal #1 Phase : 214nm Signal #2 Phase: 254nm
Signal #1 Info : ZORBAX Extend-C18 Signal #2 Info : ZORBAX Extend-C18 100x3.0mm 1.8-micron



Explosive by HPLC
Lot# B8120095-B9741 [illegible]
Rcvd 8/8/09 MFR exp. 12/09/10
[illegible]

125 Market Street
New Haven, CT 06513
USA

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

CATALOG NO: M-8330B-R-10X **EXPIRATION:** Dec 9, 2010
DESCRIPTION: Explosive by HPLC
LOT: B8120095 See reverse for additional certification information.
SOLVENT: MeOH:AcCN (1:1)

This product is guaranteed accurate to ±0.5% of the Certified Analyte concentration through the Expiration Date of the Lot.

Component	CAS #	Purity % (HPLC)	Prepared Concentration[1] (ug/mL)	Certified Analyte Concentration[2] (ug/mL)
Tetryl	479-45-8	99.4	1002	996
2,6-Dinitrotoluene	606-20-2	100	1005	1005
2-Nitrotoluene	88-72-2	99.0	1002	993
3-Nitrotoluene	99-08-1	98.7	1003	990
4-Nitrotoluene	99-99-0	99.2	1010	1003
2-Amino-4,6-dinitrotoluene	35572-78-2	97.8	1027*	1004
4-Amino-2,6-dinitrotoluene	19406-51-0	98.9	1005	[illegible]

7 Components

1. All weights are traceable through NIST, Test No. [illegible]

2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty calculated for this product is [illegible] which is the Combined Uncertainty [illegible]. It represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The Expanded Uncertainty is U which is U(y) * K value K is the coverage factor at the 95% confidence level (K=2).

3. A product with a suffix (-1A, -1B, etc) on its lot has its expiration date extended and is identical to the lot number without the suffix.

Weight compensated to 100% purity

Certified by: R. Cooper

AccuStandard is accredited to ISO/IEC 17025:2005 and certified to ISO 9001:2000

CR-ORGANIC-001 Rev. [illegible]

125 Market Street
New Haven, CT 06513
USA

Method 8330 - Mix A
Lot #: B2120217-30
Prep: 07/09 NPR exp. 10/2/09

Website AccuStandard.com

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

CATALOG NO: M-8330A-10X **EXPIRATION:** Oct 24, 2009

DESCRIPTION: Method 8330 - Mix A

LOT: B2120217-30 See reverse for additional certification information.

SOLVENT: MeOH:AcCN (1:1)

This product is supported documentation for 8.5 Hz of the Certified Analyte concentration through the Expiration Date on the Label.

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
1,3-Dinitrobenzene	99-65-0	97.0	1091*	1000
2,4-Dinitrotoluene	121-14-2	100	1001	1001
HMX	2691-41-0	98.7	1001	988
Nitrobenzene	98-95-3	99.8	1002	1000
RDX	121-82-4	95.0	1000	950
1,3,5-Trinitrobenzene	99-35-4	99.8	1001	999
TNT	118-96-7	99.9	1000	

7Compound is [illegible]

1. All weights are traceable through NIST, Test No. 822/272103-01

2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty calculated for this product is 0.4% which is the Combined Uncertainty (uc). It represents a calculated standard deviation equal to the positive square root of the total variance of the summation of components. The Expanded Uncertainty (U which is Uc) * Kvalue K is the coverage factor at the 95% confidence level (K=2).

3. A product with a purity (-1A, -2B, etc) can be used but has its expiration date extended and is identical to the same lot without the suffix.

Weight compensated to 100% purity

Certified by: R. Cooper

125 Market Street
New Haven, CT 06513 USA

AccuStandard, Inc.

Tel
We

PETN
Lot B7100188 - 2L434
Rec 7/24/09 KFR exp. 10/19/09

CERTIFICATE OF ANALYSIS

CATALOG NO. M-8330-ADD-2-10X

DESCRIPTION: Individual Explosives Solution

EXPIRATION: Oct 19, 2009

LOT: B7100188

SOLVENT: MeOH

This product is guaranteed accurate to ±0.5% of the Certified Analyte concentration through the Expiration Date on the label.

See reverse for additional certification information.

Component	CAS #	Purity % (HPLC)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
PETN	78-11-5	99.8	1009	998

Please note: AccuStandard follows the U.S. conventions in reporting numerical values, on both certificates and labels.

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No. 822/273108-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty calculated for this product is ±1% which is the Combined Uncertainty (uc). It is expressed as estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The Expanded Uncertainty is U which is U(c) x K where K is the coverage factor at the 95% confidence level (K=2).
3. A product with a suffix (-1A, -2B, etc) on its lot has had its expiration date extended and is identical to the same lot without the suffix.

Certified by: R. Cooper

AccuStandard is accredited to ISO/IEC 17025:2005

CR-ORG-INO-001
Rev 1/07

125 Market Street
New Haven, CT 06513 USA

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

CATALOG NO. M-8330-ADD-1-10X

DESCRIPTION: Individual Explosives Solution

EXPIRATION: Oct 18, 2009

LOT: B6040082-1A

SOLVENT: EtOH : MeOH (97:3)

This product is prepared pursuant to 40 CFR of the Certified Analytical reagent for use in the Explosives Drive and Label.

See reverse for additional certification information.

Component	CAS #	Purity % (HPLC)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Nitroglycerin	55-63-0	100	1000	1000

Please note: AccuStandard follows the U.S. conventions in reporting numerical values, on both certificates and labels.

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

Certified by: R. Cooper

AccuStandard is accredited to ISO/IEC 17025:2005

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Quality System
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Date Received: _____

Certificate of Analysis

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
010086-01	142799	<10 Degrees C	Acetonitrile	3-Feb-2012	1,2-Dinitrobenzene Solution, 1,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration, mg/L
1,2-dinitrobenzene	528-29-0	99	86138P	1002 +/- 14.02

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certified By: Lindsay E Edwards
Lindsay Edwards

00-368-1131
www.absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95093
Lot Number: 051208
Description: 8330 Mix A
9 components
Expiration Date: 051211

Lot #: E37818
Solvent(s): Acetonitrile

Formulated By: Justin Dippold 051208 DATE
Reviewed By: Pedro L. Rentas 051208 DATE

Nominal Concentration (µg/mL): 100

Volume(s) shown below were combined and diluted to: 10.0

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-)	CAS#	OSHA PEL (TWA)	LD50
1. 4-Amino-2,6-dinitrotoluene	79070	062707	0.10	1.00	0.002	1001.6	100.2	0.00444	00000-00-0	N/A	N/A
2. 3,5-Dinitroaniline	71772	101807	0.10	1.00	0.002	1003.5	100.4	0.00581	00618-87-1	N/A	N/A
3. 1,3-Dinitrobenzene	79071	071706	0.10	1.00	0.002	1001.1	100.1	0.00451	00099-65-0	1mg/m3 TWA (skin)	orl-rat 83mg/kg
4. 2,4-Dinitrotoluene	79072	110206	0.10	1.00	0.002	1002.8	100.3	0.00451	00121-14-2	1.5mg/m3 TWA (skin)	orl-rat 268mg/kg
5. HMX	79074	041808	0.10	1.00	0.002	1000.7	100.1	0.00451	02691-41-0	N/A	N/A
6. Nitrobenzene	79075	100306	0.10	1.00	0.002	1003.4	100.4	0.00416	00098-95-3	1 ppm (5mg/m3 TWA)(skin)	orl-rat 780mg/kg
7. 3-Nitrotoluene	79077	100506	0.10	1.00	0.002	1002.6	100.3	0.00417	00099-08-1	2 ppm (11mg/m3 TWA)(skin)	orl-rat 1072mg/kg
8. RDX	79079	060904	0.10	1.00	0.002	1000.7	100.1	0.00581	00121-82-4	N/A	N/A
9. Trinitroglycerin	79252	072804	0.10	1.00	0.002	1000.3	100.1	0.00581	00055-63-0	STEL 0.1mg/m3(skin)	N/A
10.											
11.											
12.											
13.											
14.											
15.											
16.											
17.											
18.											
19.											
20.											

MSDS Information (Solvent Safety Info. On Attached pg.)

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	95094	Lot #	Solvent(s):
Lot Number:	051208	E37618	Acetonitrile
Description:	8330 Mix B 8 components		
Expiration Date:	051211		

Formulated By: Justin Dippold — 051208 DATE

Reviewed By: Pedro L. Rentas — 051208 DATE

Nominal Concentration (µg/mL): 100

Volume(s) shown below were combined and diluted to: 10.0 — 5E-05 Balance Uncertainty; 0.001 Flask Uncertainty

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette	Initial Conc (µg/mL)	Final Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. 2-Amino-4,6-dinitrotoluene	79089	062707	0.10	1.00	0.002	1002.3	100.3	0.00417	35572-78-2	N/A	N/A
2. 1,2-Dinitrobenzene	79404	051208	0.10	1.00	0.002	1004.7	100.5	0.00565	00528-29-0	1mg/m3 TWA (skin)	N/A
3. 2,6-Dinitrotoluene	79073	100306	0.10	1.00	0.002	1002.2	100.3	0.00416	00606-20-2	1.5mg/m3 TWA (skin)	orl-rat 177mg/kg
4. 2-Nitrotoluene	79076	100306	0.10	1.00	0.002	1003.1	100.3	0.00416	00088-72-2	2ppm (11mg/m3 TWA)(skin)	orl-rat 891mg/kg
5. 4-Nitrotoluene	79078	100306	0.10	1.00	0.002	1001.1	100.1	0.00417	00099-99-0	2ppm (11mg/m3 TWA)(skin)	orl-rat 1960mg/kg
6. Tetryl	79080	120903	0.10	1.00	0.002	1000.7	100.1	0.00581	00479-45-8	N/A	N/A
7. 1,3,5-Trinitrobenzene	79081	010406	0.10	1.00	0.002	1001.5	100.2	0.00417	00099-35-4	N/A	N/A
8. 2,4,6-Trinitrotoluene	79082	011408	0.10	1.00	0.002	1002.0	100.2	0.01015	00118-96-7	0.5mg/m3 (skin)	orl-rat 820mg/kg

MSDS Information (Solvent Safety Info. On Attached pg.)

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Phone (843) 572-0952
Fax (843) 766-9152
www.o2si.com

Quality System
Audited & Registered
by NSF-ISR to ISO 9001:2000

Date Received: _____

Certificate of Analysis

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
010614-04	140802	<= 6 Degrees C	Acetonitrile	31-Oct-2009	PETN Solution, 1000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration, mg/L
PETN	78-11-5	99.9	61432P	1000 +/- 14

Certified By: _____
Dick Potter

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

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by NSF-ISR to ISO 9001:2000

Date Received: _____

Certificate of Analysis

Catalog No:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
010512-04	140434	</=-10 Degrees C	Acetonitrile	3-Nov-2011	3,5-Dinitroaniline (3,5-DNA) Solution, 1000 mg/L, 1 ml

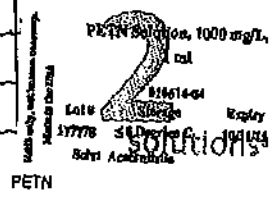
Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration, mg/L
3,5-dinitroaniline	618-87-1	97	612.1.1	1000 +/- 14

Certified By: _____
Mike Wrigley

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

LC/MS STANDARD PREP LOG# 98 PAGE# 18

018 STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOL. INV. LOT#	DATE / INITIALS
NOTE: THE FOLLOWING DOCUMENTATION WAS PERFORMED AS DATED							JA 10-24-11 10-24-11
PCB-1301*-/W	2.5 mg/ml	10-14-11					JA 10-14-11
PCB-1301*-/W	50 mg/ml	10-13-11					
TOOK 0.005 ML AND ADDED TO 0.095 ML 1668-ICL	100 mg/ml	10-13-11					
PCB-1301*-/W	50 mg/ml	10-16-11					JA 10-16-11
PCB-1301*-/W	500 mg/ml	10-13-11					
TOOK 0.010 ML AND ADDED TO 0.090 ML 1668-ICL	100 mg/ml	10-13-11					
PCB-1301*-/W	100 mg/ml	10-16-11					
PCB-1301*-/W	500 mg/ml	10-13-11					
TOOK 0.020 ML AND ADDED TO 0.080 ML 1668-ICL	100 mg/ml	10-13-11					



I broke open the vial labelled to the left and transferred to an amber 1.8 ml injection vial
→ PETN 1000 mg/L 10/24/11

PETN 100 ug/mL

PETN	1000 ug/mL	10/24/11	1mL	10mL	100 ug/mL	1:1 BOV MC 082963 HM 10/24/11 exp. 4/12

Pyridine11

LC/MS STANDARD PREP LOG# 98 PAGE# 19

019

DATE/ INITIALS	STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOLVENT LOT#	DATE/ INITIALS
10-24-11	1,2-Dinitrobenzene Solution, 1,000 mg/L, 1 ml Lot # 176526 Storage 10 Degrees C Expiry 7/10/14 Solvent Acetonitrile 91M656-01 solutions® 1,2-Dinitrobenzene Lot #: 176526 - 29391 Rec: 8/26/11 MFR exp. 07/10/14				I broke open the vial labelled to the left and transferred to an amber 1.8mL injection vial			
					~~PSTN~~ 1,2-DNB		1000 ug/mL	10/24/11 HM 10/24/11
	1,2-DNB 100 ug/mL							
		1,2-DNB	1000 ug/mL	10/24/11	1mL	10mL	100 ug/mL	1:1 ACN MeOH DB296 51075 HM 10/24/11 exp 4/24/12
10-16-11	HPCES_AQ 1.0 ug/L							
11	HPCES 100 10-12-11 2.0 200 1.0						Milliporewater	10-25-11 10-25-11
	AccuStandard M-8330-ADD-1-10X Nitroglycerin 1000 µg/mL in EtOH:MeOH (97:3) Lot: 211041387 Exp. Apr 19, 2013 HIGHLY FLAMMABLE Nitroglycerin Lot #: 211041387 - 28422 Rec: 8/28/11 MFR exp. 04/18/13 LABORATORY USE ONLY STORAGE Refrig (0-5° C)							
	I broke open the vial labelled above and transferred to an amber 1.8mL injection vial							
to amber	~~M-8330~~ Nitroglycerin						1000 ug/mL	10/26/11 HM 10/26/11
	1,2-Dinitrobenzene Solution, 1,000 mg/L, 1 ml Lot # 176526 Storage 10 Degrees C Expiry 7/10/14 Solvent Acetonitrile 91M656-01 solutions® 1,2-Dinitrobenzene Lot #: 176526 - 29746 Rec: 10/24/11 MFR exp. 07/10/14				I broke open the vial labelled to the left and transferred to an amber 1.8mL injection vial			
	→ 1,2-DNB						1000 ug/mL	10/26/11
1mL 1:1 ACN MeOH DB296 51075 HM 10/26/11 exp 4/24/12	Nitroglycerin 100 PPM							
	Nitroglycerin	1000 ug/mL	10/26/11	1mL	10mL	100 ug/mL	1:1 ACN MeOH DB296 51075 HM 10/26/11 exp 4/26/12	

LC/MS STANDARD PREP LOG# 98 PAGE# 51

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	LOT #	INITIALS

051

AccuStandard
M-8330-ADD-1-10X
Nitroglycerin
1000 µg/mL in EtOH:MeOH (97:3)
Lot: 211041387
Exp. Apr 19, 2013
HIGHLY FLAMMABLE

Nitroglycerin
Lot #: 211041387 - 29469
Rec: 9/19/11 MFR exp. 04/19/13

FOR LABORATORY USE ONLY

STORAGE Refrig (0-5° C)

I broke open the vial labelled above ad transferred to an amber 1.8mL injection vial. → NG 1000ug/mL 11/17/11

NG - 100 ug/mL

NG	1000ug/mL	11/17/11	1mL	10mL	100ug/mL	1:1 AcN/MeOH DE946 J1076	HM 11/17/11

PETN Solution, 1000 mg/L, 1 ml
Lot# 010014-04 Storage ≤ 6 Degrees C Expiry 10/31/15
Solvent: Acetonitrile

PETN
Lot #: 180042 - 29745
Rec: 10/24/11 MFR exp. 10/31/15

I broke open the vial labelled to the left and transferred to an amber 1.8mL injection vial → PETN 1000 ug/mL 11/17/11

PETN - 100 ug/mL

PETN	1000 ug/mL	11/17/11	1mL	10mL	100 ug/mL	1:1 AcN/MeOH DE946 J1076	HM 11/17/11

1,2-Dinitrobenzene
Solution, 1000 mg/L, 1 ml
Lot# 211034 Storage ≤ 10 Degrees C Expiry 7/10/14
Solvent: Acetonitrile
Solutions

1,2-Dinitrobenzene
Lot #: 175526 - 29924
Rec: 11/10/11 MFR exp. 07/10/14

I broke open the vial labelled to the left and transferred to an amber 1.8mL injection vial → 1,2-DNB 1000ug/mL 11/17/11

1,2-DNB - 100 ug/mL

1,2-DNB	1000 ug/mL	11/17/11	1mL	10mL	100 ug/mL	1:1 AcN/MeOH DE946 J1076	HM 11/17/11

LC/MS STANDARD PREP LOG# 98 PAGE# 81

081

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOL'N LOT #	DATE/ INITIALS

1,2-Dinitrobenzene Solution, 1,000 mg/L, 1 mL #1H868-01 Lot # 218524 Storage Expiry 10 Degrees C 7/2014 Solv: Acetonitrile

1,2-Dinitrobenzene
Lot #: 175526 - 29926
Rec: 11/10/11 MFR exp. 07/10/14

I broke open the vial labelled to the left and transferred to an amber 1.8mL injection vial → 1,2-DNB 1000 PPM 11/30/11 HM

AccuStandard
M-8330-ADD-4-10X
3,5-Dinitroaniline
1000 µg/mL in AcCN:MeOh
Lot: 210111284
Exp. Nov 19, 2013
POISON

3,5-Dinitroaniline
Lot #: 210111284 - 30017
Rec: 11/16/11 MFR exp. 11/19/13

FOR LABORATORY USE ONLY
STORAGE Ambient

I broke open the vial labelled above and transferred to an ~~1.8~~ amber 1.8 mL injection vial → 3,5-DNA 1000 ppm 11/30/11 HM

8330_MIX-A 10.0 ug/mL

M-8330-R	1000 ug/mL	9-7-11	1.8mL	10.0mL	10.0 ug/mL	1:1 ACN MeOH
1,2-DNB	1000 ug/mL	11/30/11				HM 11/30/11

8330_MIX-B 10.0 ug/mL

3,5-DNA	1000 ug/mL	11-30-11	1.8mL	10.0mL	10.0 ug/mL	1:1 ACN MeOH
NG		9-20-11				HM 11/30/11
PETN		9-7-11				

AY49289_W01 7368.4 DF 11-01-11 - 11/30 : DH
AY49289_W01 1052.6 DF 11-01-11 TOOK 11-30-11
0.050 ML AMP ADDED TO 0.300 ML
PER_IS_ACN 0.005 µg/mL 11-26-11

LC/MS STANDARD PREP LOG# 44 PAGE# 82

082

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CNC	SOL'N. LOT #	DATE/ INITIALS
AY49289-W01-MS-1 7368.4 DF 11-01-11-11/30							JH
AY49289-W01-MS-1 1052.6 DF 11-01-11							11-30-11
TOOK 0.050 ML AND ADDED TO 0.300 ML PER-IS-ACN 0.005 µg/mL 11-26-11							
AY49289-W01-MSD-1 7368.4 DF 11-01-11-11/30							
AY49289-W01-MSD-1 1052.6 DF 11-01-11 TOOK 0.050 ML AND ADDED TO 0.300 ML PER-IS-ACN 0.005 µg/mL 11-26-11							

Part #: 95093 Laboratory Use Only - See MSDS
Lot #: 111009 Exp: 111012 Storage 0 °C
8330 Mix A
9 components
100 ug/mL in aceto
ABSOLUTE STANDAR
8330 Mix A
Lot #: 111009 - 27378
Rec: 9/30/10 MFR exp. 11/10/12

The ampoule above was cracked open 12-1-11 and transferred to an amber injection vial labelled:

8330 MIX-A-SS
100 PPM
opened 12-1-11
Exp 12-1-12
Absolute

Part #: 95094 Laboratory Use Only - See MSDS
Lot #: 092410 Exp: 092413 Storage 0 °C
8330 Mix B
6 components
100 ug/mL in aceton
ABSOLUTE STANDARD
8330 Mix B
Lot #: 092410 - 27369
Rec: 9/30/10 MFR exp. 09/24/13

The ampoule to the left was cracked open 12-1-11 and transfered to an amber injection vial labelled:

8330-MIX-B-SS
100 PPM
Opened 12-1-11

LC/MS STANDARD PREP LOG# 98 PAGE# 83

083

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOL'N LOT #	DATE INITIALS
Exp 12-1-12							
Absolute							

Part #: 79250 Laboratory Use Only - See MSDS
Lot #: 071409 Exp: 071414 Storage 0 °C
EPA Method 8330 Analyte PETN
Pentaerythritol tetrani Lot #: 071409 - 28213
1000 ug/mL in aceton Rec: 2/11/11 MFR exp. 07/14/14
ABSOLUTE STANDARDS

The ampoule above was cracked open 12-1-11 and transfered to an amber injection vial labelled labelled:

PETN - 95 - STK
1000 PPM
opened 12-1-11
Exp 12-1-12
Absolute

AccuStandard® 125 Market St. · New Haven, CT 06513 · USA FOR LABORATORY USE ONLY
M-8330-ADD-4-10X 3,5-Dinitroaniline
3,5-Dinitroaniline Lot #: 210111284 - 30018
1000 µg/mL in AcCN:MeOH Rec: 11/16/11 MFR exp. 11/19/13
Lot: 210111284 STORAGE Ambient
Exp. Nov 19, 2013 POISON

I broke open the vial labelled above and transfered to an amber 7.8mL injection vial
→ 3,5-DNA 1000 ug/mL 12-1-11

3,5-DNA 100 PPM
3,5-DNA 1000 ug/mL 12-1-11 1mL 10mL Acetonitrile 1:1 AVD
ACN MeOH 12-1-11

LC/MS STANDARD PREP LOG# 98 PAGE# 103

The following CBs were made on 12/15/11 and documented here on 02/03/12 HM.

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOLVENT LOT#	DATE / INITIALS
8330_MX-B	10.0 ppm	11/30/11	0.10 ml	1.0 mL	1.0 ppm	1:1 ACN/DE296 : MeOH/51133	12/04/11 HM
8330_MX-B	1.0 ppm	12/15/11	0.10 ml	1.0 mL	0.10 ppm	1:1 ACN/DE298 : MeOH/51133	12/04/11 HM
8330MXB_CB 2.0 ppm 8330_MX-B	10.0 ppm	11/30/11	0.200 ml	1.0 mL	2.0 ppm	1 : 1 : 6 ACN : MeOH : MILLIPORE DE296 : 51133 : H2O	12/15/11 HM
8330MXB_CB 1.0 ppm 8330_MX-B	10.0 ppm	11/30/11	0.100 ml	1.0 mL	1.0 ppm		12/15/11 HM
8330MXB_CB 0.5 ppm 8330_MX-B	10.0 ppm	11/30/11	0.050 ml	1.0 mL	0.5 ppm		12/15/11 HM
8330MXB_CB 0.2 ppm 8330_MX-B	1.0 ppm	12/15/11	0.200 ml	1.0 mL	0.2 ppm		12/15/11 HM
8330MXB_CB 0.1 ppm 8330_MX-B	1.0 ppm	12/15/11	0.100 ml	1.0 mL	0.1 ppm		12/15/11 HM
8330MXB_CB 0.05 ppm 8330_MX-B	1.0 ppm	12/15/11	0.050 ml	1.0 mL	0.05 ppm		12/15/11 HM
8330MXB_CB 0.02 ppm 8330_MX-B	0.10 ppm	12/15/11	0.200 ml	1.0 mL	0.02 ppm		12/15/11 HM
8330MXB_CB 0.01 ppm 8330_MX-B	0.10 ppm	12/15/11	0.100 ml	1.0 mL	0.01 ppm		12/15/11 HM
8330MXB_CB 0.005 ppm 8330_MX-B	0.10 ppm	12/15/11	0.050 ml	1.0 mL	0.005 ppm		12/15/11 HM

HM 02/03/12

LC/MS STANDARD PREP LOG# 98 PAGE# 104

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOL'N. LOT #	DATE / INITIALS
8330_MX-A	10.0 ppm	11/30/11	0.10 ml	1.0 mL	1.0 ppm	1:1 ACN/DE296 : MeOH/51133	12/15/11 HM
8330_MX-A	1.0 ppm	12/15/11	0.10 ml	1.0 mL	0.10 ppm	1:1 ACN/DE296 : MeOH/51133	12/15/11 HM
8330MXB_CB 2.0 ppm 8330_MX-A	10.0 ppm	11/30/11	0.200 ml	1.0 mL	2.0 ppm	1 : 1 : 6 ACN : MeOH : MILLIPORE DE296 : 51133 : H2O	12/15/11 HM
8330_MX-A	10.0 ppm	11/30/11	0.100 ml	1.0 mL	1.0 ppm		12/15/11 HM
8330MXA_CB 0.5 ppm 8330_MX-A	10.0 ppm	11/30/11	0.050 ml	1.0 mL	0.5 ppm		12/15/11 HM
8330MXA_CB 0.2 ppm 8330_MX-A	1.0 ppm	12/15/11	0.200 ml	1.0 mL	0.2 ppm		12/15/11 HM
8330MXA_CB 0.1 ppm 8330_MX-A	1.0 ppm	12/15/11	0.100 ml	1.0 mL	0.1 ppm		12/15/11 HM
8330MXA_CB 0.05 ppm 8330_MX-A	1.0 ppm	12/15/11	0.050 ml	1.0 mL	0.05 ppm		12/15/11 HM
8330MXA_CB 0.02 ppm 8330_MX-A	0.10 ppm	12/15/11	0.200 ml	1.0 mL	0.02 ppm		12/15/11 HM
8330MXA_CB 0.01 ppm 8330_MX-A	0.10 ppm	12/15/11	0.100 ml	1.0 mL	0.01 ppm		12/15/11 HM
8330MXA_CB 0.005 ppm 8330_MX-A	0.10 ppm	12/15/11	0.050 ml	1.0 mL	0.005 ppm		12/15/11 HM
8330MXA_SS 1.0 PPM 8330MXA_SS	100 ppm	12/01/11	0.010 ml	1.0 mL	1.0 ppm	1 : 1 : 8 ACN : MeOH : MILLIPORE DE296 : 51133 : H2O	12/15/11 HM
8330MXB_SS 1.0 PPM 8330MXB_SS PETN_SS_INTSTK	100 ppm 100 ppm	12/20/11 12/01/11	0.010 ml 0.010 ml	1.0 mL	1.0 ppm	1 : 1 : 8 ACN : MeOH : MILLIPORE DE296 : 51133 : H2O	12/15/11 HM

8330_Mix_Stock 0.5ug/mL

Diphenamid 1000 10-7-11 0.10 200 0.5ug/mL Methanol/51223 01-03-12

Methamidophos 1098 11-22-11 0.10 1.0 107.8ug/mL Methanol 51223 01-03-12

Methamidophos spk 0.5ug/mL

Methamidophos 107.8 01-03-12 0.116mL 25.0 0.50 Methanol/51223 01-03-12

LC/MS STANDARD PREP LOG# 98 PAGE# 106

106

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	QC EXP. LOT #	DATE / INITIALS

8330B_SS HM 01/06/12

8330_07/13_MixA_SS_STK	100 ppm	12/1/2011	10.0 µL	1.0 mL	1.0 ppm	1 : 1 : 6
8330_07/13_MixB_SS_STK	100 ppm	12/20/2011	10.0 µL	1.0 mL	1.0 ppm	ACN : MeOH : MILLIPORE
PETN_07/13_SS_INTSTK	100 ppm	12/1/2011	10.0 µL	1.0 mL	1.0 ppm	DE002 : 51076 : H2O

The following CCVs were made on 01/05/12 and documented here on 01/06/12 HM:

8330_MixA-CCV 1.0 PPM

8330_MIX-A	10.0 ug/mL	11/30/11	100 uL	1.0 mL	1.0 ug/mL	6:1:1 H_2O ACN MeOH	HM 1/6/12

8330_MixB-CCV 1.0 PPM

8330_MIX-B	10 ug/mL	11/30/11	100 uL	1.0 mL	1.0 ug/mL	6:1:1 H_2O ACN MeOH	HM 1/6/12

8330_CCV 1.0 PPM

8330_MIX-A	10 ug/mL	11/30/11	100 µL	1.0 mL	1.0 ug/mL	6:1:1 H_2O Ac MeOH	HM 1/6/12
8330_MIX-B	↓	↓	↓	↓	↓		

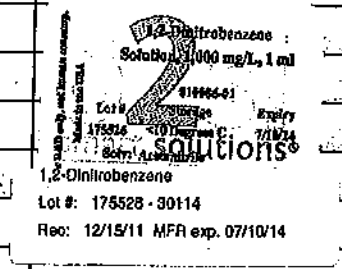
Standard Prep Documentation
performed 01-05-12, Documented 01-06-12

Perchlorate QA/QC stock 10 ug/mL							NP
Perchlorate 1000	11-19-11	0.10	10.0	10 ug/mL	Millipore water		01-05-12
Perchlorate spike 0.10 ug/mL							HM 1-6-12
Perchlorate QA/QC Stock 10	01-05-12	0.25	25.0	0.10 ug/mL	Millipore water		NP 01-05-12

LC/MS STANDARD PREP LOG# 98 PAGE# 108

108

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT VOLUME	FINAL VOLUME	FINAL CONC	SOL'N LOT #	DATE/ INITIALS



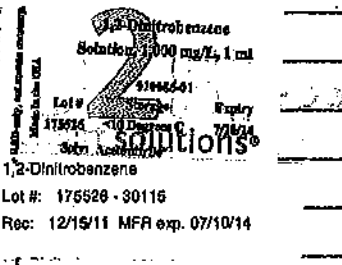
I broke open the vial labelled to the left and transfered to an amber 1.8mL injection vial → 1,2-DNB 1000 ug/mL 01/09/12 HM 1/9/12

1,2-DNB - 100 PPM EXP 07/09/12

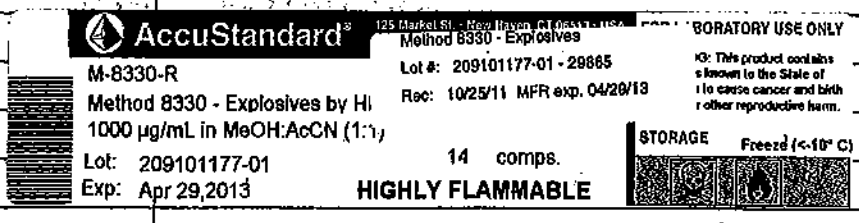
1,2-DNB	1000 ug/mL	01/09/12	100uL	10mL	100ug/mL	1:1 ACN MeOH	HM 1/9/12
						OE3965/1076	

8330-CCV 1.0 PPM

8330-MIX-A	10 ug/mL	1/30/11	100uL	1.0mL	1.0ug/mL	6:1:3	HM 1/9/12
8330-MIX-B	↓	↓	↓	↓	↓	MeOH ACN H2O OE396/1076	



I broke open the vial labelled to the left and transfered to an amber 1.8mL injection vial → 1,2-DNB 1000 ug/mL 1/10/12



I broke open the vial labelled above and transfered to an amber 1.8mL injection vial → M-8330-R 1000 ug/mL 1/10/12

LC/MS STANDARD PREP LOG# 98 PAGE# 109

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CNC	LOT #	INITIALS
M-8330-B 100 ppm Exp 7/10/12							
M-8330-C 1000 µg/mL 11/6/12	1	1	1 mL	10 mL	100 µg/mL	1:1 ACN MeOH DB244 SLB5	HM 11/10/12
1/2-DNB							
8330MIX-A ACN 10 PPM							
8330-MIX-A 10.0 µg/mL 11/30/11	100 µL	100 µL	1 µg/mL	6:1:1 H_2O ACN MeOH DB624 SLB5			HM 11/6/12

NOTE: THE FOLLOWING DOCUMENTATION WAS PERFORMED AS DATED: JH 01-11-12 01-11-12 JH

8290. IS 40 mg/mL 01-08-12

EDF-4055 500 mg/mL 11-11-11 A TOOK 0.008 ML

EDF-5005 100-500 mg/mL 09-02-11 B TOOK 0.040 ML

SIGMA-ALDRICH NONANE LOT SHBB2935V TOOK 0.052 ML

COMBINED THE ABOVE CONSTITUENTS IN A MICRO-INSERT WITHIN AN AMBER INJECTION VIAL

8290-QC CHK 1 DF 01-08-12:

EDF-4055 500 mg/mL 11-11-11 A TOOK 0.008 ML

EDF-5005 100-500 mg/mL 09-02-11 D TOOK 0.040 ML

EDF-5008 100-500 mg/mL 10-12-11 E TOOK 0.010 ML

SIGMA-ALDRICH NONANE SHBB2935V TOOK 0.042 ML

COMBINED ABOVE CONSTITUENTS

LC/MS STANDARD PREP LOG# 98 PAGE# 105

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOLVENT LOT #	DATE / INITIALS
8330-W-SURROGATE 5.0PPM EXP 03/04/12							
1,2-DNB	1000ug/mL	12/06/11	50uL	10mL	5ug/mL	1:1 ACN MeOH DE016 51076	HM 01/04/12
8330-MIX-A-CCV 1.0 PPM							
8330-MIX-A	10.0ug/mL	11/30/11	100uL	1.0ug/mL		6:1:1 H2O ACN MeOH DE016 51076	HM 01/04/12
8330-MIX-B-CCV 1.0PPM							
8330-MIX-B	10.0ug/mL	11/30/11	100uL	1.0ug/mL		6:1:1 H2O ACN MeOH DE016 51076	HM 01/04/12

The following CBs were made on 01/05/12 and documented here on 01/06/12 HM:

8330_MX_A

HM 01/06/12

8330_MX-A	10.0 ppm	11/30/2011	200 µL	1.0 mL	2.0 ppm

1 : 1 : 6
ACN : MeOH : MILLIPORE
DE002 : 51076 : H2O

8330_MX_B

8330_MX-B	10.0 ppm	11/30/2011	200 µL	1.0 mL	2.0 ppm

1 : 1 : 6
ACN : MeOH : MILLIPORE
DE002 : 51076 : H2O

8330B_CB

8330_MX-A	10.0 ppm	11/30/2011	100 µL	1.0 mL	1.0 ppm
8330_MX-B	10.0 ppm	11/30/2011	100 µL	1.0 mL	1.0 ppm
8330_MX-A	10.0 ppm	11/30/2011	50 µL	1.0 mL	0.5 ppm
8330_MX-B	10.0 ppm	11/30/2011	50 µL	1.0 mL	0.5 ppm
8330_MX-A	2.0 ppm	1/5/2012	100 µL	1.0 mL	0.2 ppm
8330_MX-B	2.0 ppm	1/5/2012	100 µL	1.0 mL	0.2 ppm
8330B_CB	1.0 ppm	1/5/2012	100 µL	1.0 mL	0.1 ppm
8330B_CB	0.5 ppm	1/5/2012	100 µL	1.0 mL	0.05 ppm
8330B_CB	0.2 ppm	1/5/2012	100 µL	1.0 mL	0.02 ppm
8330B_CB	0.1 ppm	1/5/2012	100 µL	1.0 mL	0.01 ppm
8330B_CB	0.05 ppm	1/5/2012	100 µL	1.0 mL	0.005 ppm

1 : 1
ACN : MeOH
1 : 1 : 6
ACN : MeOH : MILLIPORE
DE002 : 51076 : H2O

HM 1/6/12

LC/MS STANDARD PREP LOG# 98 PAGE# 106

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STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	QC EN. LOT #	DATE / INITIALS
8330B_SS							HM 01/6/12
8330_07/13_MixA_SS_STK	100 ppm	12/1/2011	10.0 µL	1.0 mL	1.0 ppm		1:1:6
8330_07/13_MixB_SS_STK	100 ppm	12/20/2011	10.0 µL	1.0 mL	1.0 ppm		ACN : MeOH : MILLIPORE
PETN_07/13_SS_INTSTK	100 ppm	12/1/2011	10.0 µL	1.0 mL	1.0 ppm		DE002 : 51076 : H2O

The following CCVs were made on 01/05/12 and documented here on 01/06/12 HM:

8330_MixA_CCV 1.0 PPM

8330_MIX-A	10.0 ug/mL	11/30/11	100µL	10 mL	1.0 ug/mL	6:1:1	HM	
						H_2O ACN/MeOH	1/6/12	
						DE196 51076		

8330_MixB_CCV 1.0 PPM

8330_MIX-B	100ug/mL	11/30/11	100µL	10mL	1.0ug/mL	6:1:1		
						H_2O ACN MeOH		
						DE196 51076		
						HM		
						1/6/12		

8330_CCV 1.0PPM

8330_MIX-A	10.0ug/mL	11/30/11	100µL	10mL	1.0ug/mL	6:1:1	HM	
8330-MIX-B	↓	↓	↓	↓	↓	H_2O ACN MeOH	1/6/12	
						DE196 51076		

Standard Prep Documentation

performed 01-05-12, Documented 01-06-12

Perchlorate QA/QC stock 10ug/L							MP
Perchlorate 1000	11-19-11	0.10	10.0	10ug/L	Millipore water		01-05-12
Perchlorate spike 0.10ug/L							MP
Perchlorate QA/QC Stock 10	01-05-12	0.10	25.0	0.10ug/L	Millipore water		01-05-12

_MSE018

Organic Extraction Worksheet

Method	Explosives Soil Extraction 8330B	Extraction Set	120302A	Extraction Method	MSE018	Units	mL

Spiked ID 1	8330 100ppm STK 02-23-12 exp 08-23-12		Surrogate ID 1	1,2-DNB STK 100 PPM 02-21-12 exp 08-21-12	
Spiked ID 2			Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:	03/02/12 13:50	
Spiked ID 8			Ext. End Time:	03/03/12 7:50	
			GC Requires Extract By:		

pH1			Water Bath Temp Criteria	
pH2				
pH3				

Spiked By: KY **Date** 03/02/12 **Witnessed By:** CFM **Date** 03/02/12

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	120302A Blk				0.060	1 equip	10.02g	20mL	NA	03/02/12 13:50	
2	120302A LCS-1		0.2	1	NA	NA equip	10.01g	20mL	NA	03/02/12 13:50	
3	AY56027	AY56027S03			0.060	1 equip	10.07g	20mL	NA	03/02/12 13:50	67099 Rush 3 Day -- 4oz Jar

KLy 3-2-12

Solvent and Lot#	
Acetonitrile	DF301
Silica Sand	0-74-11

Extraction COC Transfer	
Extraction lab employee Initials	CFM
GC analyst's initials	HSM
Date	3-3-12
Time	8:00
Refrigerator	Hobart/Brown

	Technician's Initials
Scanned By	CFM
Sample Preparation	CFM
Extraction	CFM
Concentration	.....

Modified	03/02/12 1:53:41 PM

Reviewed By: KLy 296 **Date** 3-2-12

METALS
EPA SW846 - 6010B

APPL, INC.

METALS
EPA SW846 - 6010B
Forms

APPL, INC.

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 6010B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120302A-164505
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-SW1	AY56027

Comments: ARF: 67099

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

Signature: _____ Name: Diane Anderson

Date: 3-12-12 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120302A-164505
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW1 Lab Sample ID: AY56027 Matrix: Soil
% Solids: 89.8 Initial Calibration ID: 120305A
Date Received: 01-Mar-12 Date Prepared: 02-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	5.3	1	F
BARIUM (BA)	0.1	1.0	54.5	1	J
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	16.9	1	F
COPPER (CU)	0.19	2.0	5.20	1	
LEAD (PB)	0.18	10.0	5.24	1	F
NICKEL (NI)	0.12	2.0	8.03	1	
ZINC (ZN)	0.6	5.0	13.9	1	

Comments: ARF: 67099

AFCEE
INORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method: EPA 6010B

AAB #: 120302A-164505

Lab Name: APPL, Inc.

Contract #: *G012

Date of Initial Calibration: 05-Mar-12

Initial Calibration ID: 120305A

Instrument ID: PHOEBE

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte		Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	r	Q
As		0.3500	17.5	100.0	5349.4	200.0	10358.5	0.99992	
Ba		0.5000	1655.3	100.0	275011.1	200.0	528297.8	0.99987	
Cd		0.5000	3126.4	100.0	491771.6	200.0	931835.8	0.99976	
Cr		0.5000	1185.0	100.0	189188.2	200.0	364890.6	0.99989	
Cu		0.5000	975.1	100.0	146109.6	200.0	286798.0	0.99997	
Ni		0.5000	604.2	100.0	89550.2	200.0	170486.3	0.99980	
Pb		0.3000	87.5	100.0	21363.1	200.0	40211.2	0.99970	
Zn		2.0000	3674.8	100.0	139512.3	200.0	264116.2	0.99975	

Comments:

AFCEE FORM I-3

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B AAB #: 120302A-164505

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: PHOEBE Initial Calibration ID: 120305A

2nd Source ID: ICV 3/5/12 10:39 ICV ID: ICV 3/5/12 10:39

CCV #1 ID: CCV1 3/5/12 11:09 CCV #2 ID: CCV2 3/5/12 15:19

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
As		100.0	97.0	3.0%	100.0	97.0	3.0%	100.0	103.1	3.1%	75.0	78.6	4.8%	
Ba		100.0	98.5	1.5%	100.0	98.5	1.5%	100.0	104.4	4.4%	75.0	74.9	0.1%	
Cd		100.0	103.7	3.7%	100.0	103.7	3.7%	100.0	105.7	5.7%	75.0	78.3	4.3%	
Cr		100.0	104.2	4.2%	100.0	104.2	4.2%	100.0	104.3	4.3%	75.0	74.1	1.3%	
Cu		100.0	98.9	1.1%	100.0	98.9	1.1%	100.0	103.3	3.3%	75.0	72.3	3.6%	
Ni		100.0	104.8	4.8%	100.0	104.8	4.8%	100.0	104.9	4.9%	75.0	75.2	0.3%	
Pb		100.0	102.7	2.7%	100.0	102.7	2.7%	100.0	106.6	6.6%	75.0	77.9	3.8%	
Zn		100.0	105.4	5.4%	100.0	105.4	5.4%	100.0	106.2	6.2%	75.0	79.9	6.6%	

Comments:

AFCEE FORM I-4 Page 1 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B AAB #: 120302A-164505

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: PHOEBE Initial Calibration ID: 120305A

2nd Source ID: ICV 3/5/12 10:39 ICV ID: ICV 3/5/12 10:39

CCV #1 ID: CCV1 3/5/12 16:28 CCV #2 ID:

Concentration Units (mg/L or mg/kg): mg/kg

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
As		100.0	97.0	3.0%	100.0	97.0	3.0%	100.0	105.6	5.6%				
Ba		100.0	98.5	1.5%	100.0	98.5	1.5%	100.0	101.4	1.4%				
Cd		100.0	103.7	3.7%	100.0	103.7	3.7%	100.0	106.0	6.0%				
Cr		100.0	104.2	4.2%	100.0	104.2	4.2%	100.0	100.5	0.5%				
Cu		100.0	98.9	1.1%	100.0	98.9	1.1%	100.0	99.2	0.8%				
Ni		100.0	104.8	4.8%	100.0	104.8	4.8%	100.0	101.7	1.7%				
Pb		100.0	102.7	2.7%	100.0	102.7	2.7%	100.0	104.5	4.5%				
Zn		100.0	105.4	5.4%	100.0	105.4	5.4%	100.0	107.8	7.8%				

Comments:

AFCEE FORM I-4 Page 2 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANK

Analytical Method: EPA 6010B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: 120305A

AAB #: 120302A-164505
Contract #: *G012
Method Blank ID: 120302A-BLK
3050G EA 3-9-12

Analyte	Method Blank	RL	Q
ARSENIC (AS)	< RL	40.0	U
BARIUM (BA)	< RL	1.0	U
CADMIUM (CD)	< RL	0.50	U
CHROMIUM (CR)	< RL	20.0	U
COPPER (CU)	< RL	2.0	U
LEAD (PB)	< RL	10.0	U
NICKEL (NI)	< RL	2.0	U
ZINC (ZN)	< RL	5.0	U

Comments: ARF: 67099, Sample: AY56027

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 6010B AAB #: 120302A-164505

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg): mg/Kg

Initial Calibration Blank ID: ICB 3/5/12 10:47 Initial Calibration ID: 120305A

CCB #1 ID: CCB 3/5/12 11:25 CCB #2 ID: CCB 3/5/12 15:27 CCB #3 ID: CCB 3/5/12 16:47

Method Blank ID: 120302A-3050G-BLK Initial Calibration ID: 120305A

Analyte		Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
			1	2	3			
As		<RL	<RL	<RL	<RL	<RL	40.0	
Ba		<RL	<RL	<RL	<RL	<RL	1.00	
Cd		<RL	<RL	<RL	<RL	<RL	0.5	
Cr		<RL	<RL	<RL	<RL	<RL	20.0	
Cu		<RL	<RL	<RL	<RL	<RL	2.0	
Ni		<RL	<RL	<RL	<RL	<RL	2.0	
Pb		<RL	<RL	<RL	<RL	<RL	10.0	
Zn		<RL	<RL	<RL	<RL	<RL	5.0	

Comments:

AFCEE FORM I-5 Page 1 of 1

AFCEE
INORGANIC ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 6010B
AAB #: 120302A-164505
Lab Name: APPL, Inc
Contract #: *G012
LCS ID: 120302A-LCS 30501 2/28-12
Initial Calibration ID: 120305A
Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
ARSENIC (AS)	25.0	28.6	114	75-125	
BARIUM (BA)	25.0	26.6	106	75-125	
CADMIUM (CD)	5.00	5.80	116	75-125	
CHROMIUM (CR)	25.0	28.7	115	75-125	
COPPER (CU)	25.00	26.73	107	75-125	
LEAD (PB)	25.00	29.01	116	75-125	
NICKEL (NI)	25.00	29.23	117	75-125	
ZINC (ZN)	50.0	57.7	115	75-125	

Comments: ARF: 67099, Sample: AY56027

AFCEE
INORGANIC ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: EPA 6010B AAB#: 120302A-164505

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
B4-NT1-SW1	29-Feb-12	01-Mar-12	05-Mar-12	180	5	

Comments: ARF: 67099

AFCEE
INORGANIC ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 6010B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: PHOEBE ICAL ID: 120305A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
CalBlk	05-Mar-12	10:21	05-Mar-12	10:21
STD 1	05-Mar-12	10:25	05-Mar-12	10:25
STD 2	05-Mar-12	10:30	05-Mar-12	10:30
STD 3	05-Mar-12	10:34	05-Mar-12	10:34
ICV	05-Mar-12	10:39	05-Mar-12	10:39
ICB	05-Mar-12	10:47	05-Mar-12	10:47
ICSA	05-Mar-12	10:56	05-Mar-12	10:56
ICSAB	05-Mar-12	11:02	05-Mar-12	11:02
CCV1	05-Mar-12	11:09	05-Mar-12	11:09
CCB	05-Mar-12	11:25	05-Mar-12	11:25
CCV2	05-Mar-12	15:19	05-Mar-12	15:19
CCB	05-Mar-12	15:27	05-Mar-12	15:27
120302A-3050G-BLK	05-Mar-12	15:44	05-Mar-12	15:44
120302A-3050G-LCS	05-Mar-12	15:49	05-Mar-12	15:49
AY56027S03	05-Mar-12	15:54	05-Mar-12	15:54
AY56027S03-A	05-Mar-12	16:09	05-Mar-12	16:09
AY56027S03-1/5	05-Mar-12	16:14	05-Mar-12	16:14
CCV1	05-Mar-12	16:28	05-Mar-12	16:28
CCB	05-Mar-12	16:47	05-Mar-12	16:47

6010 Injection Log

Directory: K:\ICAP PHOEBE\Backup Excel\

RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
1	05 Mar 2012	10:21	CalBlk 120305EA I:PB O:EA		120305A6010	1.
2	05 Mar 2012	10:25	STD 1 120305EA I:PB O:EA		120305A6010	1.
3	05 Mar 2012	10:30	STD 2 120305EA I:PB O:EA		120305A6010	1.
4	05 Mar 2012	10:34	STD 3 120305EA I:PB O:EA		120305A6010	1.
5	05 Mar 2012	10:39	ICV 120305EA I:PB O:EA		120305A6010	1.
6	05 Mar 2012	10:47	ICB 120305EA I:PB O:EA		120305A6010	1.
8	05 Mar 2012	10:56	ICSA 120305EA I:PB O:EA		120305A6010	1.
9	05 Mar 2012	11:02	ICSAB 120305EA I:PB O:EA		120305A6010	1.
10	05 Mar 2012	11:09	CCV1 120305EA I:PB O:EA		120305A6010	1.
11	05 Mar 2012	11:25	CCB 120305EA I:PB O:EA		120305A6010	1.
46	05 Mar 2012	15:19	CCV2 120305EA I:PB O:EA		120305A6010	1.
47	05 Mar 2012	15:27	CCB 120305EA I:PB O:EA		120305A6010	1.
50	05 Mar 2012	15:44	120302A-3050G-BLK		120305A6010	1.
51	05 Mar 2012	15:49	120302A-3050G-LCS		120305A6010	1.
52	05 Mar 2012	15:54	AY56027S03		120305A6010	1.
55	05 Mar 2012	16:09	AY56027S03-A		120305A6010	1.
56	05 Mar 2012	16:14	AY56027S03-1/5		120305A6010	5.
57	05 Mar 2012	16:28	CCV1 120305EA I:PB O:EA		120305A6010	1.
58	05 Mar 2012	16:47	CCB 120305EA I:PB O:EA		120305A6010	1.

A.P.P.L. INC.

5B

POST DIGEST SPIKE SAMPLE RECOVERY

CLIENT SAMPLE NO.

B4-NT1-SW1

Lab Name: A.P.P.L. INC. Contract: Parsons

ARF No.: 67099 SDG: 67099

Analysis Date: 03/05/12 Concentration Units: mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic (As)	75-125	47.98		4.788		45.045	95.9		
Barium (Ba)	75-125	80.45		48.93		45.045	70.0		M
Cadmium (Cd)	75-125	5.761		ND		9.009	64.0		M
Chromium (Cr)	75-125	50.38		15.17		45.045	78.2		
Copper (Cu)	75-125	43.3		4.674		45.045	85.8		
Nickel (Ni)	75-125	42.44		7.21		45.045	78.2		
Lead (Pb)	75-125	39.54		4.707		45.045	77.3		
Zinc (Zn)	75-125	80.97		12.49		90.090	76.0		

Comments:

03/05/12 15:54 AY56027S03

03/05/12 16:09 AY56027S03-A

A.P.P.L. INC.
9
ICP SERIAL DILUTION

CLIENT SAMPLE NO.
B4-NT1-SW1

Lab Name: A.P.P.L. INC. Contract: Parsons
ARF No.: 67099 SDG: 67099
Matrix: soil

Analysis Date: 03/05/12 Concentration Units: mg/kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	%D	Q	M
Barium (Ba)	48.93		58.41		19.4		M
Chromium (Cr)	15.17		17.78		17.2		M

Comments:

03/05/12 15:54 AY56027S03

03/05/12 16:14 AY56027S03-1/5

A.P.P.L. INC.
4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: A.P.P.L. INC. Contract: *G012
ARF #: 67099 SDG: 67099
ICP ID No PHOEBE ICS Source: Environmental Express

Analysis Date 03/05/12 Concentration Units: mg/L

ANALYTE	TRUE			Initial Found		
	SOL A	SOL AB	SOL A 10:56	Recovery	SOL AB 11:02	%R(1)
Aluminum	200	200	197.8	98.9	207.7	103.9
Arsenic		0.5	0.002234	<RL	0.4748	95.0
Barium		0.5	0.000043	<RL	0.4766	95.3
Calcium	200	200	201.3	100.7	202.9	101.5
Cadmium		1	0.000004	<RL	0.962	96.2
Chromium		0.5	ND	<RL	0.4983	99.7
Copper		0.5	ND	<RL	0.5048	101.0
Iron	200	200	181.8	90.9	180.8	90.4
Magnesium	200	200	195.5	97.8	195.6	97.8
Nickel		1	0.000004	<RL	0.9572	95.7
Lead		1	0.001693	<RL	0.9702	97.0
Zinc		1	ND	<RL	0.9565	95.7

(1) Control Limits: Metals 80-120

METALS
EPA SW846 - 6010B
Calibration Data

APPL, INC.

Reprocessing Begun
Logged In Analyst: chemist_metals Technique: ICP Continuous

Results Data Set (original): 120305A6010X
Results Library (original): C:\PE\chemist\RESULTS\Results.mdb
Results Data Set (reprocessed):
Results Library (reprocessed):

Sequence No.: 1 Autosampler Location: 1
Sample ID: CalBlk 120305EA I:PB O:EA Date Collected: 03/05/12 10:21:08 AM
Analyst: Data Type: Reprocessed on 03/06/12 9:16:32 AM
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CalBlk 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	-83.5	102.14	122.25%	[0.00]	ug/L
Al 308.215	1209.7	29.38	2.43%	[0.00]	ug/L
As 188.979	-2.3	1.32	56.79%	[0.00]	ug/L
B	19.0	5.15	27.04%	[0.00]	ug/L
Ba 233.527	177.5	6.33	3.57%	[0.00]	ug/L
Be 313.107	-12791.9	256.81	2.01%	[0.00]	ug/L
Ca 315.887	430.7	12.37	2.87%	[0.00]	ug/L
Cd 214.440	468.8	4.92	1.05%	[0.00]	ug/L
Co 228.616	109.8	11.09	10.10%	[0.00]	ug/L
Cr 267.716	909.7	19.95	2.19%	[0.00]	ug/L
Cu 327.393	-361.8	15.80	4.37%	[0.00]	ug/L
Fe 273.955	141.1	14.75	10.45%	[0.00]	ug/L
K 766.490	-452.8	111.32	24.59%	[0.00]	ug/L
Mg 285.213	-257.8	10.65	4.13%	[0.00]	ug/L
Mn 257.610	-64.5	4.08	6.33%	[0.00]	ug/L
Mo 202.031	141.7	0.72	0.51%	[0.00]	ug/L
Na 589.592	-59.9	89.80	149.87%	[0.00]	ug/L
Ni 231.604	-201.6	10.82	5.37%	[0.00]	ug/L
P 213.617	-23.3	8.05	34.47%	[0.00]	ug/L
Pb 220.353	-27.3	1.20	4.40%	[0.00]	ug/L
Sb 206.836	3.7	6.35	170.77%	[0.00]	ug/L
Se 196.026	-19.5	8.70	44.64%	[0.00]	ug/L
Sn 189.927	193.2	2.28	1.18%	[0.00]	ug/L
Sr 421.552	1759.8	62.50	3.55%	[0.00]	ug/L
Ti 337.279	-609.4	30.51	5.01%	[0.00]	ug/L
Tl 190.801	-130.7	6.90	5.28%	[0.00]	ug/L
V 292.402	-481.5	265.15	55.07%	[0.00]	ug/L
Zn 206.200	-227.7	10.17	4.47%	[0.00]	ug/L

Sequence No.: 2
Sample ID: STD 1 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 03/05/12 10:25:58 AM
Data Type: Reprocessed on 03/06/12 9:16:34 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 1 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	245.1	92.90	37.91%	[1.00]	ug/L
Al 308.215	250.8	23.92	9.53%	[100.00]	ug/L
As 188.979	17.5	4.58	26.18%	[3.50]	ug/L
B	465.1	10.43	2.24%	[50.00]	ug/L
Ba 233.527	1655.3	3.21	0.19%	[5.00]	ug/L
Be 313.107	18745.4	224.51	1.20%	[2.00]	ug/L
Ca 315.887	3811.5	39.69	1.04%	[100.00]	ug/L
Cd 214.440	3126.4	19.85	0.63%	[5.00]	ug/L
Co 228.616	688.7	10.59	1.54%	[5.00]	ug/L
Cr 267.716	1185.0	17.49	1.48%	[5.00]	ug/L
Cu 327.393	975.1	6.66	0.68%	[5.00]	ug/L
Fe 273.955	3094.5	10.11	0.33%	[50.00]	ug/L
K 766.490	5597.3	194.80	3.48%	[1000.00]	ug/L
Mg 285.213	3517.0	14.48	0.41%	[50]	ug/L
Mn 257.610	645.2	9.30	1.44%	[5.00]	ug/L
Mo 202.031	303.6	10.73	3.53%	[5.00]	ug/L
Na 589.592	17721.9	17.02	0.10%	[1000.00]	ug/L
Ni 231.604	604.2	31.08	5.14%	[5.00]	ug/L
P 213.617	214.3	5.91	2.76%	[25.00]	ug/L
Pb 220.353	87.5	14.17	16.19%	[3.00]	ug/L
Sb 206.836	51.7	2.11	4.08%	[5.00]	ug/L
Se 196.026	26.3	9.11	34.57%	[5.00]	ug/L
Sn 189.927	22.1	1.96	8.86%	[5.00]	ug/L
Sr 421.552	8210.7	113.64	1.38%	[5.00]	ug/L
Ti 337.279	398.0	23.47	5.90%	[5.00]	ug/L
Tl 190.801	70.1	7.17	10.22%	[5.00]	ug/L
V 292.402	2034.8	159.01	7.81%	[5.00]	ug/L
Zn 206.200	3674.8	23.36	0.64%	[20.00]	ug/L

Sequence No.: 3
Sample ID: STD 2 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/05/12 10:30:58 AM
Data Type: Reprocessed on 03/06/12 9:16:35 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 2 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	92300.2	293.54	0.32%	[500.0]	ug/L
Al 308.215	46341.2	636.43	1.37%	[20000.00]	ug/L
As 188.979	5349.4	89.40	1.67%	[1000.00]	ug/L
B	8579.0	79.68	0.93%	[1000.00]	ug/L
Ba 233.527	275011.1	749.57	0.27%	[1000.00]	ug/L
Be 313.107	7731477.1	10614.98	0.14%	[1000.00]	ug/L
Ca 315.887	1195146.4	9264.56	0.78%	[50000]	ug/L
Cd 214.440	491771.6	1173.09	0.24%	[1000.00]	ug/L
Co 228.616	106121.9	243.17	0.23%	[1000.00]	ug/L
Cr 267.716	189188.2	538.71	0.28%	[1000.00]	ug/L
Cu 327.393	146109.6	296.90	0.20%	[1000.00]	ug/L
Fe 273.955	802569.7	1874.91	0.23%	[20000]	ug/L
K 766.490	114140.9	1000.01	0.88%	[20000]	ug/L
Mg 285.213	2287811.6	14525.75	0.63%	[50000]	ug/L
Mn 257.610	107611.6	830.36	0.77%	[1000.00]	ug/L
Mo 202.031	56374.2	311.95	0.55%	[1000.00]	ug/L
Na 589.592	407908.0	2332.03	0.57%	[25000]	ug/L
Ni 231.604	89550.2	339.66	0.38%	[1000.00]	ug/L
P 213.617	43747.3	293.31	0.67%	[5000]	ug/L
Pb 220.353	21363.1	158.21	0.74%	[1000.00]	ug/L
Sb 206.836	7226.7	61.47	0.85%	[1000.00]	ug/L
Se 196.026	5025.2	39.29	0.78%	[1000.00]	ug/L
Sn 189.927	10345.4	87.86	0.85%	[1000.00]	ug/L
Sr 421.552	1480763.1	8217.19	0.55%	[1000.00]	ug/L
Ti 337.279	110608.9	858.24	0.78%	[1000.00]	ug/L
Tl 190.801	13730.0	99.39	0.72%	[1000.00]	ug/L
V 292.402	357233.0	1092.28	0.31%	[1000.00]	ug/L
Zn 206.200	139512.3	442.01	0.32%	[1000.00]	ug/L

Sequence No.: 4
Sample ID: STD 3 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 03/05/12 10:34:12 AM
Data Type: Reprocessed on 03/06/12 9:16:36 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 3 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	182030.4	1830.80	1.01%	[1000.00]	ug/L
Al 308.215	92577.5	1381.56	1.49%	[40000.00]	ug/L
As 188.979	10358.5	105.58	1.02%	[2000.00]	ug/L
B	16864.7	117.90	0.70%	[2000.00]	ug/L
Ba 233.527	528297.8	4051.20	0.77%	[2000.00]	ug/L
Be 313.107	14681595.0	27724.63	0.19%	[2000.00]	ug/L
Ca 315.887	2339406.7	14056.97	0.60%	[100000.0]	ug/L
Cd 214.440	931835.8	7889.14	0.85%	[2000.00]	ug/L
Co 228.616	202671.8	1606.95	0.79%	[2000.00]	ug/L
Cr 267.716	364890.6	2920.74	0.80%	[2000.00]	ug/L
Cu 327.393	286798.0	2501.68	0.87%	[2000.00]	ug/L
Fe 273.955	1532263.7	11783.76	0.77%	[40000]	ug/L
K 766.490	222097.4	1765.89	0.80%	[40000]	ug/L
Mg 285.213	4433147.1	26752.84	0.60%	[100000]	ug/L
Mn 257.610	210774.9	1298.23	0.62%	[2000.00]	ug/L
Mo 202.031	105413.0	753.77	0.72%	[2000.00]	ug/L
Na 589.592	800082.6	5424.40	0.68%	[50000]	ug/L
Ni 231.604	170486.3	1710.33	1.00%	[2000.00]	ug/L
P 213.617	82734.9	916.01	1.11%	[10000]	ug/L
Pb 220.353	40211.2	225.14	0.56%	[2000.00]	ug/L
Sb 206.836	13970.0	102.49	0.73%	[2000.00]	ug/L
Se 196.026	9549.1	64.41	0.67%	[2000.00]	ug/L
Sn 189.927	19775.2	163.10	0.82%	[2000.00]	ug/L
Sr 421.552	2914994.7	18221.64	0.63%	[2000.00]	ug/L
Ti 337.279	217438.5	1519.07	0.70%	[2000.00]	ug/L
Tl 190.801	25526.8	155.21	0.61%	[2000.00]	ug/L
V 292.402	695271.9	5610.96	0.81%	[2000.00]	ug/L
Zn 206.200	264116.2	2089.05	0.79%	[2000.00]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 338.289	3	Lin Thru 0	0.0	182.5	0.00000	0.999984	
Al 308.215	3	Lin Thru 0	0.0	2.315	0.00000	1.000000	
As 188.979	3	Lin Thru 0	0.0	5.213	0.00000	0.999915	
B	3	Lin Thru 0	0.0	8.462	0.00000	0.999974	
Ba 233.527	3	Lin Thru 0	0.0	266.3	0.00000	0.999867	
Be 313.107	3	Lin Thru 0	0.0	7419	0.00000	0.999778	
Ca 315.887	3	Lin Thru 0	0.0	23.50	0.00000	0.999962	
Cd 214.440	3	Lin Thru 0	0.0	471.1	0.00000	0.999759	
Co 228.616	3	Lin Thru 0	0.0	102.3	0.00000	0.999825	
Cr 267.716	3	Lin Thru 0	0.0	183.8	0.00000	0.999892	
Cu 327.393	3	Lin Thru 0	0.0	143.9	0.00000	0.999971	
Fe 273.955	3	Lin Thru 0	0.0	38.67	0.00000	0.999822	
K 766.490	3	Lin Thru 0	0.0	5.583	0.00000	0.999939	
Mg 285.213	3	Lin Thru 0	0.0	44.62	0.00000	0.999918	
Mn 257.610	3	Lin Thru 0	0.0	105.8	0.00000	0.999965	
Mo 202.031	3	Lin Thru 0	0.0	53.44	0.00000	0.999623	
Na 589.592	3	Lin Thru 0	0.0	16.07	0.00000	0.999968	
Ni 231.604	3	Lin Thru 0	0.0	86.10	0.00000	0.999799	
P 213.617	3	Lin Thru 0	0.0	8.369	0.00000	0.999741	
Pb 220.353	3	Lin Thru 0	0.0	20.36	0.00000	0.999695	
Sb 206.836	3	Lin Thru 0	0.0	7.033	0.00000	0.999905	
Se 196.026	3	Lin Thru 0	0.0	4.825	0.00000	0.999784	
Sn 189.927	3	Lin Thru 0	0.0	9.979	0.00000	0.999831	
Sr 421.552	3	Lin Thru 0	0.0	1462	0.00000	0.999980	
Ti 337.279	3	Lin Thru 0	0.0	109.1	0.00000	0.999976	
Tl 190.801	3	Lin Thru 0	0.0	12.96	0.00000	0.999555	

V 292.402	3	Lin Thru 0	0.0	349.6	0.00000	0.999940
Zn 206.200	3	Lin Thru 0	0.0	133.6	0.00000	0.999745

Sequence No.: 5
Sample ID: ICV 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 03/05/12 10:39:00 AM
Data Type: Reprocessed on 03/06/12 9:16:37 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	87313.0	478.3	ug/L	5.37	478.3	ug/L	5.37	1.12%
QC value within limits for Ag 338.289 Recovery = 95.66%								
Al 308.215	55922.6	24160	ug/L	333.5	24160	ug/L	333.5	1.38%
QC value within limits for Al 308.215 Recovery = 96.63%								
As 188.979	5057.0	970.0	ug/L	6.91	970.0	ug/L	6.91	0.71%
QC value within limits for As 188.979 Recovery = 97.00%								
B	7884.6	1017	ug/L	15.7	1017	ug/L	15.7	1.55%
QC value within limits for B Recovery = 101.72%								
Ba 233.527	263564.9	985.3	ug/L	16.09	985.3	ug/L	16.09	1.63%
QC value within limits for Ba 233.527 Recovery = 98.53%								
Be 313.107	7415600.1	1003	ug/L	7.6	1003	ug/L	7.6	0.76%
QC value within limits for Be 313.107 Recovery = 100.32%								
Ca 315.887	578955.8	24540	ug/L	219.1	24540	ug/L	219.1	0.89%
QC value within limits for Ca 315.887 Recovery = 98.16%								
Cd 214.440	488943.7	1037	ug/L	17.4	1037	ug/L	17.4	1.68%
QC value within limits for Cd 214.440 Recovery = 103.68%								
Co 228.616	107916.8	1053	ug/L	18.4	1053	ug/L	18.4	1.74%
QC value within limits for Co 228.616 Recovery = 105.33%								
Cr 267.716	191577.9	1042	ug/L	18.4	1042	ug/L	18.4	1.77%
QC value within limits for Cr 267.716 Recovery = 104.25%								
Cu 327.393	142373.3	989.1	ug/L	10.50	989.1	ug/L	10.50	1.06%
QC value within limits for Cu 327.393 Recovery = 98.91%								
Fe 273.955	979035.3	25170	ug/L	403.6	25170	ug/L	403.6	1.60%
QC value within limits for Fe 273.955 Recovery = 100.67%								
K 766.490	134474.6	24060	ug/L	324.6	24060	ug/L	324.6	1.35%
QC value within limits for K 766.490 Recovery = 96.23%								
Mg 285.213	1105283.9	24750	ug/L	202.0	24750	ug/L	202.0	0.82%
QC value within limits for Mg 285.213 Recovery = 99.01%								
Mn 257.610	108386.7	1023	ug/L	15.5	1023	ug/L	15.5	1.51%
QC value within limits for Mn 257.610 Recovery = 102.25%								
Mo 202.031	51873.5	972.3	ug/L	3.34	972.3	ug/L	3.34	0.34%
QC value within limits for Mo 202.031 Recovery = 97.23%								
Na 589.592	387036.4	24060	ug/L	160.0	24060	ug/L	160.0	0.66%
QC value within limits for Na 589.592 Recovery = 96.24%								
Ni 231.604	90511.6	1048	ug/L	16.9	1048	ug/L	16.9	1.61%
QC value within limits for Ni 231.604 Recovery = 104.79%								
P 213.617	40835.9	4880	ug/L	31.8	4880	ug/L	31.8	0.65%
QC value within limits for P 213.617 Recovery = 97.59%								
Pb 220.353	20916.3	1027	ug/L	9.0	1027	ug/L	9.0	0.87%
QC value within limits for Pb 220.353 Recovery = 102.75%								
Sb 206.836	7359.5	1046	ug/L	4.8	1046	ug/L	4.8	0.46%
QC value within limits for Sb 206.836 Recovery = 104.64%								
Se 196.026	4944.3	1025	ug/L	3.7	1025	ug/L	3.7	0.36%
QC value within limits for Se 196.026 Recovery = 102.48%								
Sn 189.927	5395.3	540.7	ug/L	1.03	540.7	ug/L	1.03	0.19%
QC value within limits for Sn 189.927 Recovery = 108.13%								
Sr 421.552	1423825.8	973.1	ug/L	7.51	973.1	ug/L	7.51	0.77%
QC value within limits for Sr 421.552 Recovery = 97.31%								
Ti 337.279	106494.9	975.1	ug/L	13.83	975.1	ug/L	13.83	1.42%
QC value within limits for Ti 337.279 Recovery = 97.51%								
Tl 190.801	13153.7	1034	ug/L	3.3	1034	ug/L	3.3	0.32%
QC value within limits for Tl 190.801 Recovery = 103.35%								
V 292.402	347202.6	1011	ug/L	16.6	1011	ug/L	16.6	1.64%
QC value within limits for V 292.402 Recovery = 101.13%								
Zn 206.200	140093.5	1054	ug/L	17.0	1054	ug/L	17.0	1.62%
QC value within limits for Zn 206.200 Recovery = 105.35%								

All analyte(s) passed QC.

Sequence No.: 6
Sample ID: ICB 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/05/12 10:47:07 AM
Data Type: Reprocessed on 03/06/12 9:16:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	14.2	0.078	ug/L	0.4214	0.078	ug/L	0.4214	540.48%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	76.2	32.92	ug/L	25.911	32.92	ug/L	25.911	78.70%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	1.0	0.187	ug/L	1.0654	0.187	ug/L	1.0654	570.62%
QC value within limits for As 188.979 Recovery = Not calculated								
B	53.9	6.382	ug/L	0.1904	6.382	ug/L	0.1904	2.98%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	26.0	0.097	ug/L	0.0921	0.097	ug/L	0.0921	95.05%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	326.9	0.044	ug/L	0.0619	0.044	ug/L	0.0619	141.81%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	27.9	1.174	ug/L	1.4800	1.174	ug/L	1.4800	126.06%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	23.7	0.050	ug/L	0.0814	0.050	ug/L	0.0814	161.73%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	2.4	0.023	ug/L	0.1249	0.023	ug/L	0.1249	533.76%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-23.7	-0.129	ug/L	0.1248	-0.129	ug/L	0.1248	96.61%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	177.1	1.231	ug/L	0.3132	1.231	ug/L	0.3132	25.45%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	106.7	2.749	ug/L	0.6816	2.749	ug/L	0.6816	24.79%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-420.6	-75.33	ug/L	25.234	-75.33	ug/L	25.234	33.50%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	20.3	0.449	ug/L	0.4831	0.449	ug/L	0.4831	107.51%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	15.5	0.146	ug/L	0.1201	0.146	ug/L	0.1201	82.11%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-0.3	-0.006	ug/L	0.2709	-0.006	ug/L	0.2709	>999.9%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	-11.6	-0.710	ug/L	3.6885	-0.710	ug/L	3.6885	519.70%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-4.3	-0.050	ug/L	0.0577	-0.050	ug/L	0.0577	115.17%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	3.7	0.439	ug/L	0.6833	0.439	ug/L	0.6833	155.75%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	16.3	0.799	ug/L	0.3738	0.799	ug/L	0.3738	46.79%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	9.8	1.390	ug/L	0.2645	1.390	ug/L	0.2645	19.03%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	0.6	0.129	ug/L	0.9472	0.129	ug/L	0.9472	734.19%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	6.9	0.691	ug/L	0.2457	0.691	ug/L	0.2457	35.58%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	77.2	0.053	ug/L	0.1071	0.053	ug/L	0.1071	203.91%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-7.8	-0.071	ug/L	0.1203	-0.071	ug/L	0.1203	168.44%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	6.3	0.487	ug/L	0.8201	0.487	ug/L	0.8201	168.39%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	7.7	0.020	ug/L	0.0968	0.020	ug/L	0.0968	480.20%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	12.3	0.091	ug/L	0.0819	0.091	ug/L	0.0819	90.25%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICSA 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 03/05/12 10:56:55 AM
Data Type: Reprocessed on 03/06/12 9:16:40 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-73.2	-0.401	ug/L	0.3530	-0.401	ug/L	0.3530	87.98%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	457825.1	197800	ug/L	862.4	197800	ug/L	862.4	0.44%
QC value within limits for Al 308.215 Recovery = 98.88%								
As 188.979	11.6	2.234	ug/L	1.8999	2.234	ug/L	1.8999	85.06%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-5334.5	-24.69	ug/L	8.551	-24.69	ug/L	8.551	34.63%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	9589.6	0.043	ug/L	0.8967	0.043	ug/L	0.8967	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	22210.8	-0.082	ug/L	0.0478	-0.082	ug/L	0.0478	58.46%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	4741937.2	201300	ug/L	277.0	201300	ug/L	277.0	0.14%
QC value within limits for Ca 315.887 Recovery = 100.63%								
Cd 214.440	6052.0	0.004	ug/L	0.0517	0.004	ug/L	0.0517	>999.9%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	932.6	-0.356	ug/L	0.1523	-0.356	ug/L	0.1523	42.82%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	1138.7	-1.273	ug/L	0.1357	-1.273	ug/L	0.1357	10.66%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	-18.5	-0.129	ug/L	0.2222	-0.129	ug/L	0.2222	172.65%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	7047848.7	181800	ug/L	1168.2	181800	ug/L	1168.2	0.64%
QC value within limits for Fe 273.955 Recovery = 90.91%								
K 766.490	367.3	-47.15	ug/L	4.349	-47.15	ug/L	4.349	9.23%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	8729722.3	195500	ug/L	296.0	195500	ug/L	296.0	0.15%
QC value within limits for Mg 285.213 Recovery = 97.76%								
Mn 257.610	1045.1	-2.235	ug/L	0.8527	-2.235	ug/L	0.8527	38.14%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-397.3	0.001	ug/L	0.3755	0.001	ug/L	0.3755	>999.9%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	2508.4	-11.48	ug/L	9.924	-11.48	ug/L	9.924	86.44%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	795.6	0.004	ug/L	0.1827	0.004	ug/L	0.1827	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	50.0	5.979	ug/L	1.3079	5.979	ug/L	1.3079	21.87%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	34.5	1.693	ug/L	0.2700	1.693	ug/L	0.2700	15.95%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-0.4	-0.052	ug/L	0.5593	-0.052	ug/L	0.5593	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	20.6	4.274	ug/L	1.3828	4.274	ug/L	1.3828	32.36%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	19.2	1.928	ug/L	0.3654	1.928	ug/L	0.3654	18.96%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	7311.7	-0.167	ug/L	0.0172	-0.167	ug/L	0.0172	10.26%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	894.7	1.099	ug/L	0.3875	1.099	ug/L	0.3875	35.25%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	1.4	-1.867	ug/L	0.3674	-1.867	ug/L	0.3674	19.68%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	16038.6	1.561	ug/L	0.1245	1.561	ug/L	0.1245	7.98%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	2787.0	-0.036	ug/L	0.1865	-0.036	ug/L	0.1865	522.74%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSAB 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 03/05/12 11:02:37 AM
Data Type: Reprocessed on 03/06/12 9:16:41 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	173040.1	947.9	ug/L	4.84	947.9	ug/L	4.84	0.51%
QC value within limits for Ag 338.289 Recovery = 94.79%								
Al 308.215	480776.0	207700	ug/L	2093.0	207700	ug/L	2093.0	1.01%
QC value within limits for Al 308.215 Recovery = 103.84%								
As 188.979	2475.1	474.8	ug/L	3.92	474.8	ug/L	3.92	0.83%
QC value within limits for As 188.979 Recovery = 94.95%								
B	-5227.4	-14.12	ug/L	9.388	-14.12	ug/L	9.388	66.47%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	136376.0	476.6	ug/L	3.41	476.6	ug/L	3.41	0.72%
QC value within limits for Ba 233.527 Recovery = 95.32%								
Be 313.107	3585499.0	480.2	ug/L	3.23	480.2	ug/L	3.23	0.67%
QC value within limits for Be 313.107 Recovery = 96.05%								
Ca 315.887	4781550.6	202900	ug/L	1230.6	202900	ug/L	1230.6	0.61%
QC value within limits for Ca 315.887 Recovery = 101.47%								
Cd 214.440	459079.7	962.0	ug/L	5.91	962.0	ug/L	5.91	0.61%
QC value within limits for Cd 214.440 Recovery = 96.20%								
Co 228.616	50795.4	488.0	ug/L	4.36	488.0	ug/L	4.36	0.89%
QC value within limits for Co 228.616 Recovery = 97.60%								
Cr 267.716	92864.3	498.3	ug/L	5.03	498.3	ug/L	5.03	1.01%
QC value within limits for Cr 267.716 Recovery = 99.66%								
Cu 327.393	72656.2	504.8	ug/L	3.44	504.8	ug/L	3.44	0.68%
QC value within limits for Cu 327.393 Recovery = 100.95%								
Fe 273.955	7012347.3	180800	ug/L	1123.5	180800	ug/L	1123.5	0.62%
QC value within limits for Fe 273.955 Recovery = 90.42%								
K 766.490	438.3	-39.86	ug/L	31.771	-39.86	ug/L	31.771	79.70%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	8735163.2	195600	ug/L	1029.6	195600	ug/L	1029.6	0.53%
QC value within limits for Mg 285.213 Recovery = 97.82%								
Mn 257.610	53861.7	496.8	ug/L	9.15	496.8	ug/L	9.15	1.84%
QC value within limits for Mn 257.610 Recovery = 99.35%								
Mo 202.031	24529.2	466.6	ug/L	4.42	466.6	ug/L	4.42	0.95%
QC value within limits for Mo 202.031 Recovery = 93.32%								
Na 589.592	2935.0	10.87	ug/L	1.287	10.87	ug/L	1.287	11.84%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	83296.3	957.2	ug/L	4.04	957.2	ug/L	4.04	0.42%
QC value within limits for Ni 231.604 Recovery = 95.72%								
P 213.617	170.0	20.32	ug/L	2.711	20.32	ug/L	2.711	13.34%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	19749.6	970.2	ug/L	7.91	970.2	ug/L	7.91	0.82%
QC value within limits for Pb 220.353 Recovery = 97.02%								
Sb 206.836	3575.6	508.4	ug/L	1.65	508.4	ug/L	1.65	0.32%
QC value within limits for Sb 206.836 Recovery = 101.68%								
Se 196.026	2376.2	492.5	ug/L	6.76	492.5	ug/L	6.76	1.37%
QC value within limits for Se 196.026 Recovery = 98.50%								
Sn 189.927	35.6	3.566	ug/L	0.2521	3.566	ug/L	0.2521	7.07%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	7767.7	0.092	ug/L	0.0624	0.092	ug/L	0.0624	67.62%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	938.2	1.395	ug/L	0.7692	1.395	ug/L	0.7692	55.15%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	6256.6	485.5	ug/L	0.53	485.5	ug/L	0.53	0.11%
QC value within limits for Tl 190.801 Recovery = 97.11%								
V 292.402	183668.9	493.3	ug/L	3.78	493.3	ug/L	3.78	0.77%
QC value within limits for V 292.402 Recovery = 98.66%								
Zn 206.200	130066.0	956.5	ug/L	5.88	956.5	ug/L	5.88	0.61%
QC value within limits for Zn 206.200 Recovery = 95.65%								

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: CCV1 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/05/12 11:09:11 AM
Data Type: Reprocessed on 03/06/12 9:16:42 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	93757.0	513.6	ug/L	3.84	513.6	ug/L	3.84	0.75%
QC value within limits for Ag 338.289 Recovery = 102.72%								
Al 308.215	47064.5	20330	ug/L	366.1	20330	ug/L	366.1	1.80%
QC value within limits for Al 308.215 Recovery = 101.65%								
As 188.979	5377.4	1031	ug/L	7.0	1031	ug/L	7.0	0.68%
QC value within limits for As 188.979 Recovery = 103.15%								
B	8756.4	1110	ug/L	20.4	1110	ug/L	20.4	1.84%
QC value greater than the upper limit for B Recovery = 111.05%								
Ba 233.527	279115.2	1044	ug/L	8.8	1044	ug/L	8.8	0.84%
QC value within limits for Ba 233.527 Recovery = 104.43%								
Be 313.107	7690403.8	1040	ug/L	6.4	1040	ug/L	6.4	0.61%
QC value within limits for Be 313.107 Recovery = 104.03%								
Ca 315.887	1230047.5	52240	ug/L	144.5	52240	ug/L	144.5	0.28%
QC value within limits for Ca 315.887 Recovery = 104.48%								
Cd 214.440	498583.6	1057	ug/L	8.1	1057	ug/L	8.1	0.76%
QC value within limits for Cd 214.440 Recovery = 105.74%								
Co 228.616	107818.8	1052	ug/L	8.4	1052	ug/L	8.4	0.80%
QC value within limits for Co 228.616 Recovery = 105.24%								
Cr 267.716	191893.3	1043	ug/L	8.3	1043	ug/L	8.3	0.79%
QC value within limits for Cr 267.716 Recovery = 104.32%								
Cu 327.393	148736.2	1033	ug/L	7.0	1033	ug/L	7.0	0.68%
QC value within limits for Cu 327.393 Recovery = 103.33%								
Fe 273.955	815887.6	20900	ug/L	184.1	20900	ug/L	184.1	0.88%
QC value within limits for Fe 273.955 Recovery = 104.50%								
K 766.490	115578.7	20650	ug/L	266.8	20650	ug/L	266.8	1.29%
QC value within limits for K 766.490 Recovery = 103.27%								
Mg 285.213	2356805.5	52790	ug/L	211.0	52790	ug/L	211.0	0.40%
QC value within limits for Mg 285.213 Recovery = 105.57%								
Mn 257.610	109378.5	1030	ug/L	12.7	1030	ug/L	12.7	1.23%
QC value within limits for Mn 257.610 Recovery = 103.00%								
Mo 202.031	57063.7	1069	ug/L	5.3	1069	ug/L	5.3	0.49%
QC value within limits for Mo 202.031 Recovery = 106.88%								
Na 589.592	417986.3	25970	ug/L	98.0	25970	ug/L	98.0	0.38%
QC value within limits for Na 589.592 Recovery = 103.90%								
Ni 231.604	90641.9	1049	ug/L	8.8	1049	ug/L	8.8	0.84%
QC value within limits for Ni 231.604 Recovery = 104.89%								
P 213.617	44183.8	5280	ug/L	54.2	5280	ug/L	54.2	1.03%
QC value within limits for P 213.617 Recovery = 105.59%								
Pb 220.353	21700.3	1066	ug/L	9.9	1066	ug/L	9.9	0.93%
QC value within limits for Pb 220.353 Recovery = 106.60%								
Sb 206.836	7322.4	1041	ug/L	6.4	1041	ug/L	6.4	0.62%
QC value within limits for Sb 206.836 Recovery = 104.11%								
Se 196.026	5082.7	1053	ug/L	13.1	1053	ug/L	13.1	1.25%
QC value within limits for Se 196.026 Recovery = 105.35%								
Sn 189.927	10426.7	1045	ug/L	9.0	1045	ug/L	9.0	0.86%
QC value within limits for Sn 189.927 Recovery = 104.48%								
Sr 421.552	1519543.0	1038	ug/L	3.8	1038	ug/L	3.8	0.37%
QC value within limits for Sr 421.552 Recovery = 103.82%								
Ti 337.279	112981.8	1034	ug/L	20.4	1034	ug/L	20.4	1.98%
QC value within limits for Ti 337.279 Recovery = 103.36%								
Tl 190.801	13850.0	1088	ug/L	10.6	1088	ug/L	10.6	0.98%
QC value within limits for Tl 190.801 Recovery = 108.79%								
V 292.402	363101.6	1059	ug/L	7.8	1059	ug/L	7.8	0.73%
QC value within limits for V 292.402 Recovery = 105.89%								
Zn 206.200	141309.9	1062	ug/L	9.1	1062	ug/L	9.1	0.86%
QC value within limits for Zn 206.200 Recovery = 106.16%								

QC Failed. Continue with analysis.

Sequence No.: 11
Sample ID: CCB 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/05/12 11:25:32 AM
Data Type: Reprocessed on 03/06/12 9:16:43 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-2.6	-0.014	ug/L	0.0387	-0.014	ug/L	0.0387	269.19%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	162.8	70.32	ug/L	21.240	70.32	ug/L	21.240	30.21%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	1.1	0.208	ug/L	0.2992	0.208	ug/L	0.2992	143.98%
QC value within limits for As 188.979 Recovery = Not calculated								
B	36.6	4.350	ug/L	1.3199	4.350	ug/L	1.3199	30.34%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	14.9	0.054	ug/L	0.0528	0.054	ug/L	0.0528	97.65%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	834.8	0.112	ug/L	0.0124	0.112	ug/L	0.0124	11.01%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	84.8	3.557	ug/L	0.9618	3.557	ug/L	0.9618	27.04%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	18.9	0.040	ug/L	0.0173	0.040	ug/L	0.0173	43.33%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	8.0	0.078	ug/L	0.1316	0.078	ug/L	0.1316	169.16%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-31.7	-0.173	ug/L	0.0908	-0.173	ug/L	0.0908	52.50%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	112.2	0.780	ug/L	0.3059	0.780	ug/L	0.3059	39.23%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	316.0	8.136	ug/L	0.6875	8.136	ug/L	0.6875	8.45%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-310.3	-55.57	ug/L	25.128	-55.57	ug/L	25.128	45.22%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	57.0	1.263	ug/L	0.2554	1.263	ug/L	0.2554	20.21%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	17.3	0.163	ug/L	0.1015	0.163	ug/L	0.1015	62.36%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	3.7	0.069	ug/L	0.1715	0.069	ug/L	0.1715	247.89%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	15.1	0.937	ug/L	5.7017	0.937	ug/L	5.7017	608.35%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-5.6	-0.066	ug/L	0.2053	-0.066	ug/L	0.2053	309.20%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-2.8	-0.332	ug/L	0.7698	-0.332	ug/L	0.7698	232.02%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	23.9	1.175	ug/L	0.6044	1.175	ug/L	0.6044	51.44%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	5.0	0.704	ug/L	0.8713	0.704	ug/L	0.8713	123.69%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	0.4	0.080	ug/L	1.6059	0.080	ug/L	1.6059	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	7.1	0.716	ug/L	0.2527	0.716	ug/L	0.2527	35.28%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	38.3	0.026	ug/L	0.1168	0.026	ug/L	0.1168	452.67%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	0.7	0.007	ug/L	0.1786	0.007	ug/L	0.1786	>999.9%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	10.7	0.827	ug/L	0.6523	0.827	ug/L	0.6523	78.87%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	5.7	0.014	ug/L	0.1224	0.014	ug/L	0.1224	884.42%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	14.0	0.103	ug/L	0.0893	0.103	ug/L	0.0893	86.83%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 52
Sample ID: CCV2 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 03/05/12 3:19:40 PM
Data Type: Reprocessed on 03/06/12 9:17:25 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV2 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	65830.0	360.6	ug/L	2.21	360.6	ug/L	2.21	0.61%
QC value within limits for Ag 338.289 Recovery = 96.17%								
Al 308.215	35054.3	15140	ug/L	138.0	15140	ug/L	138.0	0.91%
QC value within limits for Al 308.215 Recovery = 100.95%								
As 188.979	4096.5	785.8	ug/L	10.63	785.8	ug/L	10.63	1.35%
QC value within limits for As 188.979 Recovery = 104.77%								
B	6242.2	791.8	ug/L	6.71	791.8	ug/L	6.71	0.85%
QC value within limits for B Recovery = 105.57%								
Ba 233.527	200213.8	749.1	ug/L	4.27	749.1	ug/L	4.27	0.57%
QC value within limits for Ba 233.527 Recovery = 99.88%								
Be 313.107	5485578.5	742.0	ug/L	2.02	742.0	ug/L	2.02	0.27%
QC value within limits for Be 313.107 Recovery = 98.94%								
Ca 315.887	887564.6	37700	ug/L	301.0	37700	ug/L	301.0	0.80%
QC value within limits for Ca 315.887 Recovery = 100.52%								
Cd 214.440	368968.9	782.5	ug/L	4.66	782.5	ug/L	4.66	0.60%
QC value within limits for Cd 214.440 Recovery = 104.33%								
Co 228.616	77683.3	758.3	ug/L	4.65	758.3	ug/L	4.65	0.61%
QC value within limits for Co 228.616 Recovery = 101.10%								
Cr 267.716	136245.3	740.6	ug/L	4.96	740.6	ug/L	4.96	0.67%
QC value within limits for Cr 267.716 Recovery = 98.75%								
Cu 327.393	104075.7	723.0	ug/L	4.56	723.0	ug/L	4.56	0.63%
QC value within limits for Cu 327.393 Recovery = 96.41%								
Fe 273.955	582338.5	14920	ug/L	105.7	14920	ug/L	105.7	0.71%
QC value within limits for Fe 273.955 Recovery = 99.44%								
K 766.490	80947.3	14470	ug/L	72.5	14470	ug/L	72.5	0.50%
QC value within limits for K 766.490 Recovery = 96.43%								
Mg 285.213	1708785.1	38270	ug/L	230.4	38270	ug/L	230.4	0.60%
QC value within limits for Mg 285.213 Recovery = 102.06%								
Mn 257.610	79798.4	751.5	ug/L	5.58	751.5	ug/L	5.58	0.74%
QC value within limits for Mn 257.610 Recovery = 100.20%								
Mo 202.031	41184.6	771.3	ug/L	5.06	771.3	ug/L	5.06	0.66%
QC value within limits for Mo 202.031 Recovery = 102.85%								
Na 589.592	290964.4	18080	ug/L	116.3	18080	ug/L	116.3	0.64%
QC value within limits for Na 589.592 Recovery = 96.43%								
Ni 231.604	64997.5	752.1	ug/L	5.86	752.1	ug/L	5.86	0.78%
QC value within limits for Ni 231.604 Recovery = 100.28%								
P 213.617	31116.0	3718	ug/L	22.8	3718	ug/L	22.8	0.61%
QC value within limits for P 213.617 Recovery = 99.15%								
Pb 220.353	15854.2	778.8	ug/L	1.41	778.8	ug/L	1.41	0.18%
QC value within limits for Pb 220.353 Recovery = 103.84%								
Sb 206.836	5642.5	802.3	ug/L	2.98	802.3	ug/L	2.98	0.37%
QC value within limits for Sb 206.836 Recovery = 106.97%								
Se 196.026	3772.7	782.0	ug/L	6.14	782.0	ug/L	6.14	0.79%
QC value within limits for Se 196.026 Recovery = 104.26%								
Sn 189.927	7966.9	798.4	ug/L	3.77	798.4	ug/L	3.77	0.47%
QC value within limits for Sn 189.927 Recovery = 106.45%								
Sr 421.552	1056054.5	721.5	ug/L	5.12	721.5	ug/L	5.12	0.71%
QC value within limits for Sr 421.552 Recovery = 96.20%								
Ti 337.279	80415.6	735.7	ug/L	5.91	735.7	ug/L	5.91	0.80%
QC value within limits for Ti 337.279 Recovery = 98.09%								
Tl 190.801	10450.6	820.1	ug/L	3.78	820.1	ug/L	3.78	0.46%
QC value within limits for Tl 190.801 Recovery = 109.35%								
V 292.402	257353.1	750.7	ug/L	5.20	750.7	ug/L	5.20	0.69%
QC value within limits for V 292.402 Recovery = 100.10%								
Zn 206.200	106433.6	799.4	ug/L	5.15	799.4	ug/L	5.15	0.64%
QC value within limits for Zn 206.200 Recovery = 106.59%								

All analyte(s) passed QC.

Sequence No.: 53
Sample ID: CCB 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 03/05/12 3:27:01 PM
Data Type: Reprocessed on 03/06/12 9:17:26 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-64.2	-0.352	ug/L	0.2932	-0.352	ug/L	0.2932	83.41%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	137.4	59.36	ug/L	5.934	59.36	ug/L	5.934	10.00%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-0.6	-0.118	ug/L	0.6313	-0.118	ug/L	0.6313	534.05%
QC value within limits for As 188.979 Recovery = Not calculated								
B	118.1	13.96	ug/L	1.661	13.96	ug/L	1.661	11.90%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	31.3	0.117	ug/L	0.0479	0.117	ug/L	0.0479	40.81%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	1795.1	0.241	ug/L	0.0093	0.241	ug/L	0.0093	3.85%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	740.7	31.47	ug/L	4.458	31.47	ug/L	4.458	14.16%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	37.3	0.079	ug/L	0.0484	0.079	ug/L	0.0484	61.13%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	14.9	0.145	ug/L	0.0370	0.145	ug/L	0.0370	25.46%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-55.5	-0.302	ug/L	0.0971	-0.302	ug/L	0.0971	32.12%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	195.1	1.356	ug/L	0.4565	1.356	ug/L	0.4565	33.67%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	56.2	1.370	ug/L	0.2721	1.370	ug/L	0.2721	19.86%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-146.5	-26.26	ug/L	53.154	-26.26	ug/L	53.154	202.40%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	73.4	1.614	ug/L	0.1432	1.614	ug/L	0.1432	8.87%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	24.0	0.225	ug/L	0.0949	0.225	ug/L	0.0949	42.11%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	4.1	0.076	ug/L	0.0747	0.076	ug/L	0.0747	97.82%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	323.6	20.13	ug/L	8.296	20.13	ug/L	8.296	41.21%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-14.6	-0.171	ug/L	0.2029	-0.171	ug/L	0.2029	118.74%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-7.7	-0.920	ug/L	1.0790	-0.920	ug/L	1.0790	117.34%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	16.9	0.829	ug/L	0.2926	0.829	ug/L	0.2926	35.29%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	9.8	1.389	ug/L	0.4433	1.389	ug/L	0.4433	31.91%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-5.6	-1.167	ug/L	1.0883	-1.167	ug/L	1.0883	93.23%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	34.4	3.447	ug/L	0.2521	3.447	ug/L	0.2521	7.31%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	42.1	0.028	ug/L	0.0532	0.028	ug/L	0.0532	188.42%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-20.7	-0.191	ug/L	0.2304	-0.191	ug/L	0.2304	120.56%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	23.1	1.785	ug/L	1.1183	1.785	ug/L	1.1183	62.66%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	73.9	0.209	ug/L	0.2828	0.209	ug/L	0.2828	135.13%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-8.9	-0.071	ug/L	0.0882	-0.071	ug/L	0.0882	124.56%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 63
Sample ID: CCV1 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/05/12 4:28:12 PM
Data Type: Reprocessed on 03/06/12 9:17:36 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	90214.3	494.2	ug/L	4.95	494.2	ug/L	4.95	1.00%
QC value within limits for Ag 338.289 Recovery = 98.84%								
Al 308.215	48613.9	21000	ug/L	158.5	21000	ug/L	158.5	0.75%
QC value within limits for Al 308.215 Recovery = 105.00%								
As 188.979	5506.6	1056	ug/L	5.7	1056	ug/L	5.7	0.54%
QC value within limits for As 188.979 Recovery = 105.63%								
B	8824.7	1116	ug/L	13.5	1116	ug/L	13.5	1.21%
QC value greater than the upper limit for B Recovery = 111.64%								
Ba 233.527	270984.7	1014	ug/L	13.4	1014	ug/L	13.4	1.32%
QC value within limits for Ba 233.527 Recovery = 101.39%								
Be 313.107	7408277.6	1002	ug/L	8.1	1002	ug/L	8.1	0.81%
QC value within limits for Be 313.107 Recovery = 100.23%								
Ca 315.887	1241344.1	52720	ug/L	485.6	52720	ug/L	485.6	0.92%
QC value within limits for Ca 315.887 Recovery = 105.45%								
Cd 214.440	499739.8	1060	ug/L	13.9	1060	ug/L	13.9	1.31%
QC value within limits for Cd 214.440 Recovery = 105.99%								
Co 228.616	104896.4	1024	ug/L	11.8	1024	ug/L	11.8	1.16%
QC value within limits for Co 228.616 Recovery = 102.38%								
Cr 267.716	184833.7	1005	ug/L	13.5	1005	ug/L	13.5	1.35%
QC value within limits for Cr 267.716 Recovery = 100.47%								
Cu 327.393	142763.7	991.8	ug/L	6.55	991.8	ug/L	6.55	0.66%
QC value within limits for Cu 327.393 Recovery = 99.18%								
Fe 273.955	787848.3	20180	ug/L	258.6	20180	ug/L	258.6	1.28%
QC value within limits for Fe 273.955 Recovery = 100.88%								
K 766.490	112922.2	20180	ug/L	229.4	20180	ug/L	229.4	1.14%
QC value within limits for K 766.490 Recovery = 100.90%								
Mg 285.213	2379571.5	53300	ug/L	444.6	53300	ug/L	444.6	0.83%
QC value within limits for Mg 285.213 Recovery = 106.59%								
Mn 257.610	111247.1	1048	ug/L	13.3	1048	ug/L	13.3	1.27%
QC value within limits for Mn 257.610 Recovery = 104.77%								
Mo 202.031	57520.9	1077	ug/L	9.3	1077	ug/L	9.3	0.87%
QC value within limits for Mo 202.031 Recovery = 107.72%								
Na 589.592	395131.9	24550	ug/L	238.0	24550	ug/L	238.0	0.97%
QC value within limits for Na 589.592 Recovery = 98.21%								
Ni 231.604	87870.6	1017	ug/L	12.2	1017	ug/L	12.2	1.20%
QC value within limits for Ni 231.604 Recovery = 101.68%								
P 213.617	43319.6	5176	ug/L	52.5	5176	ug/L	52.5	1.01%
QC value within limits for P 213.617 Recovery = 103.53%								
Pb 220.353	21264.2	1045	ug/L	5.5	1045	ug/L	5.5	0.53%
QC value within limits for Pb 220.353 Recovery = 104.46%								
Sb 206.836	7639.1	1086	ug/L	12.1	1086	ug/L	12.1	1.11%
QC value within limits for Sb 206.836 Recovery = 108.61%								
Se 196.026	5106.6	1058	ug/L	7.0	1058	ug/L	7.0	0.66%
QC value within limits for Se 196.026 Recovery = 105.84%								
Sn 189.927	10516.9	1054	ug/L	9.3	1054	ug/L	9.3	0.89%
QC value within limits for Sn 189.927 Recovery = 105.39%								
Sr 421.552	1471375.1	1005	ug/L	9.0	1005	ug/L	9.0	0.90%
QC value within limits for Sr 421.552 Recovery = 100.53%								
Ti 337.279	113900.4	1042	ug/L	11.8	1042	ug/L	11.8	1.13%
QC value within limits for Ti 337.279 Recovery = 104.20%								
Tl 190.801	13860.0	1089	ug/L	4.8	1089	ug/L	4.8	0.44%
QC value within limits for Tl 190.801 Recovery = 108.87%								
V 292.402	350905.3	1024	ug/L	14.1	1024	ug/L	14.1	1.38%
QC value within limits for V 292.402 Recovery = 102.40%								
Zn 206.200	143533.4	1078	ug/L	14.4	1078	ug/L	14.4	1.34%
QC value within limits for Zn 206.200 Recovery = 107.80%								

QC Failed. Continue with analysis.

Sequence No.: 64
Sample ID: CCB 120305EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/05/12 4:47:29 PM
Data Type: Reprocessed on 03/06/12 9:17:37 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120305EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-72.1	-0.395	ug/L	0.5037	-0.395	ug/L	0.5037	127.47%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	309.5	133.7	ug/L	10.94	133.7	ug/L	10.94	8.18%
QC value greater than the upper limit for Al 308.215 Recovery = Not calculated								
As 188.979	2.2	0.429	ug/L	0.7395	0.429	ug/L	0.7395	172.21%
QC value within limits for As 188.979 Recovery = Not calculated								
B	98.7	11.69	ug/L	0.396	11.69	ug/L	0.396	3.39%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	5.4	0.019	ug/L	0.0936	0.019	ug/L	0.0936	487.59%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	1872.1	0.250	ug/L	0.0250	0.250	ug/L	0.0250	9.99%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	1289.1	54.75	ug/L	6.426	54.75	ug/L	6.426	11.74%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	22.8	0.048	ug/L	0.0435	0.048	ug/L	0.0435	90.04%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	21.4	0.210	ug/L	0.1717	0.210	ug/L	0.1717	81.95%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-78.3	-0.427	ug/L	0.1498	-0.427	ug/L	0.1498	35.11%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	171.3	1.190	ug/L	0.5142	1.190	ug/L	0.5142	43.20%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	176.3	4.392	ug/L	0.2452	4.392	ug/L	0.2452	5.58%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-166.0	-29.77	ug/L	32.135	-29.77	ug/L	32.135	107.93%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	87.0	1.891	ug/L	0.1636	1.891	ug/L	0.1636	8.65%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	41.3	0.388	ug/L	0.0383	0.388	ug/L	0.0383	9.86%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	6.3	0.117	ug/L	0.3607	0.117	ug/L	0.3607	308.12%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	471.5	29.32	ug/L	7.856	29.32	ug/L	7.856	26.80%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-18.4	-0.216	ug/L	0.2935	-0.216	ug/L	0.2935	135.86%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-11.5	-1.373	ug/L	0.2626	-1.373	ug/L	0.2626	19.12%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	4.9	0.239	ug/L	0.7274	0.239	ug/L	0.7274	304.21%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	7.3	1.031	ug/L	0.4592	1.031	ug/L	0.4592	44.52%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-4.2	-0.874	ug/L	0.6535	-0.874	ug/L	0.6535	74.77%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	27.2	2.724	ug/L	0.3481	2.724	ug/L	0.3481	12.78%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	11.2	0.007	ug/L	0.1174	0.007	ug/L	0.1174	>999.9%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-39.6	-0.365	ug/L	0.0790	-0.365	ug/L	0.0790	21.65%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	5.4	0.423	ug/L	0.2562	0.423	ug/L	0.2562	60.62%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	160.9	0.457	ug/L	0.1769	0.457	ug/L	0.1769	38.76%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	165.2	1.230	ug/L	0.1024	1.230	ug/L	0.1024	8.32%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

METALS
EPA SW846 - 6010B
Raw Data

APPL, INC.

Sequence No.: 56
Sample ID: 120302A-3050G-BLK
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1 g
Dilution:

Autosampler Location: 69
Date Collected: 03/05/12 3:44:05 PM
Data Type: Reprocessed on 03/06/12 9:17:29 AM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: 120302A-3050G-BLK

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-79.6	-0.436	ug/L	0.1382	-0.044	mg/kg	0.0138	31.70%
Al 308.215	99.9	43.14	ug/L	17.867	4.314	mg/kg	1.7867	41.42%
As 188.979	-2.4	-0.453	ug/L	0.9075	-0.045	mg/kg	0.0908	200.35%
B	75.6	9.003	ug/L	1.2351	0.900	mg/kg	0.1235	13.72%
Ba 233.527	77.2	0.285	ug/L	0.0810	0.029	mg/kg	0.0081	28.36%
Be 313.107	2159.3	0.292	ug/L	0.0348	0.029	mg/kg	0.0035	11.94%
Ca 315.887	3601.9	153.2	ug/L	1.09	15.32	mg/kg	0.109	0.71%
Cd 214.440	16.2	0.032	ug/L	0.0320	0.003	mg/kg	0.0032	99.93%
Co 228.616	28.5	0.276	ug/L	0.1313	0.028	mg/kg	0.0131	47.51%
Cr 267.716	-62.0	-0.340	ug/L	0.2019	-0.034	mg/kg	0.0202	59.37%
Cu 327.393	321.1	2.231	ug/L	0.2970	0.223	mg/kg	0.0297	13.31%
Fe 273.955	744.5	19.07	ug/L	0.310	1.907	mg/kg	0.0310	1.63%
K 766.490	-291.9	-52.43	ug/L	51.203	-5.243	mg/kg	5.1203	97.67%
Mg 285.213	297.2	6.562	ug/L	0.2144	0.656	mg/kg	0.0214	3.27%
Mn 257.610	91.6	0.862	ug/L	0.0503	0.086	mg/kg	0.0050	5.84%
Mo 202.031	13.5	0.252	ug/L	0.0969	0.025	mg/kg	0.0097	38.48%
Na 589.592	392.6	24.36	ug/L	8.960	2.436	mg/kg	0.8960	36.78%
Ni 231.604	-0.6	-0.010	ug/L	0.0355	-0.001	mg/kg	0.0035	350.06%
P 213.617	209.3	25.00	ug/L	0.686	2.500	mg/kg	0.0686	2.74%
Pb 220.353	24.7	1.212	ug/L	0.5799	0.121	mg/kg	0.0580	47.83%
Sb 206.836	18.9	2.694	ug/L	0.4206	0.269	mg/kg	0.0421	15.61%
Se 196.026	0.1	0.022	ug/L	1.6447	0.002	mg/kg	0.1645	>999.9%
Sn 189.927	-109.9	-11.01	ug/L	0.330	-1.101	mg/kg	0.0330	3.00%
Sr 421.552	469.5	0.319	ug/L	0.1254	0.032	mg/kg	0.0125	39.33%
Ti 337.279	45.7	0.416	ug/L	0.2073	0.042	mg/kg	0.0207	49.77%
Tl 190.801	5.7	0.450	ug/L	0.4213	0.045	mg/kg	0.0421	93.62%
V 292.402	57.6	0.159	ug/L	0.2517	0.016	mg/kg	0.0252	157.89%
Zn 206.200	695.0	5.195	ug/L	0.1381	0.520	mg/kg	0.0138	2.66%

Sequence No.: 57
Sample ID: 120302A-3050G-LCS
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1 g
Dilution:

Autosampler Location: 70
Date Collected: 03/05/12 3:49:03 PM
Data Type: Reprocessed on 03/06/12 9:17:30 AM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: 120302A-3050G-LCS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	18983.9	104.0	ug/L	1.06	10.40	mg/kg	0.106	1.02%
Al 308.215	5115.6	2210	ug/L	119.0	221.0	mg/kg	11.90	5.39%
As 188.979	1493.2	286.4	ug/L	5.01	28.64	mg/kg	0.501	1.75%
B	2386.1	290.8	ug/L	6.29	29.08	mg/kg	0.629	2.16%
Ba 233.527	70795.8	265.5	ug/L	2.61	26.55	mg/kg	0.261	0.98%
Be 313.107	416176.3	57.00	ug/L	0.510	5.700	mg/kg	0.0510	0.90%
Ca 315.887	667973.7	28390	ug/L	315.1	2839	mg/kg	31.5	1.11%
Cd 214.440	27433.2	58.05	ug/L	0.252	5.805	mg/kg	0.0252	0.43%
Co 228.616	29521.3	288.1	ug/L	1.45	28.81	mg/kg	0.145	0.50%
Cr 267.716	52838.0	286.6	ug/L	2.38	28.66	mg/kg	0.238	0.83%
Cu 327.393	38480.6	267.3	ug/L	2.79	26.73	mg/kg	0.279	1.04%
Fe 273.955	43464.5	1038	ug/L	8.4	103.8	mg/kg	0.84	0.81%
K 766.490	30062.4	5358	ug/L	57.0	535.8	mg/kg	5.70	1.06%
Mg 285.213	1270717.8	28460	ug/L	278.8	2846	mg/kg	27.9	0.98%
Mn 257.610	31338.7	294.1	ug/L	2.89	29.41	mg/kg	0.289	0.98%
Mo 202.031	15178.3	283.7	ug/L	1.38	28.37	mg/kg	0.138	0.49%
Na 589.592	430170.7	26760	ug/L	257.5	2676	mg/kg	25.7	0.96%
Ni 231.604	25280.3	292.3	ug/L	1.31	29.23	mg/kg	0.131	0.45%
P 213.617	19254.7	2301	ug/L	13.2	230.1	mg/kg	1.32	0.58%
Pb 220.353	5906.5	290.1	ug/L	0.97	29.01	mg/kg	0.097	0.34%
Sb 206.836	2100.6	298.7	ug/L	1.36	29.87	mg/kg	0.136	0.46%
Se 196.026	1427.9	295.9	ug/L	2.08	29.59	mg/kg	0.208	0.70%
Sn 189.927	2904.1	291.0	ug/L	1.80	29.10	mg/kg	0.180	0.62%
Sr 421.552	392307.9	267.9	ug/L	2.72	26.79	mg/kg	0.272	1.01%
Ti 337.279	30130.6	275.0	ug/L	2.28	27.50	mg/kg	0.228	0.83%
Tl 190.801	3783.8	297.0	ug/L	2.46	29.70	mg/kg	0.246	0.83%
V 292.402	94917.4	277.8	ug/L	2.41	27.78	mg/kg	0.241	0.87%
Zn 206.200	77037.1	577.2	ug/L	5.15	57.72	mg/kg	0.515	0.89%

Sequence No.: 58
Sample ID: AY56027S03
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.11 g
Dilution:

Autosampler Location: 71
Date Collected: 03/05/12 3:54:40 PM
Data Type: Reprocessed on 03/06/12 9:17:31 AM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56027S03

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	3610.5	19.78	ug/L	0.241	1.782	mg/kg	0.0217	1.22%
Al 308.215	583561.4	252100	ug/L	2983.7	22710	mg/kg	268.8	1.18%
As 188.979	277.1	53.15	ug/L	3.867	4.788	mg/kg	0.3484	7.28%
B	-1016.6	423.4	ug/L	9.18	38.14	mg/kg	0.827	2.17%
Ba 233.527	153146.0	543.2	ug/L	5.74	48.93	mg/kg	0.517	1.06%
Be 313.107	20185.0	-0.457	ug/L	0.0598	-0.041	mg/kg	0.0054	13.09%
Ca 315.887	46614763.2	1984000	ug/L	3751.7	178700	mg/kg	338.0	0.19%
Cd 214.440	3223.6	-15.16	ug/L	0.284	-1.365	mg/kg	0.0256	1.88%
Co 228.616	3917.8	14.04	ug/L	0.663	1.265	mg/kg	0.0598	4.72%
Cr 267.716	35673.4	168.4	ug/L	1.27	15.17	mg/kg	0.115	0.76%
Cu 327.393	7467.4	51.88	ug/L	0.959	4.674	mg/kg	0.0864	1.85%
Fe 273.955	4863243.9	123900	ug/L	1302.9	11160	mg/kg	117.4	1.05%
K 766.490	262042.4	45290	ug/L	623.3	4081	mg/kg	56.2	1.38%
Mg 285.213	1694954.1	36890	ug/L	388.1	3323	mg/kg	35.0	1.05%
Mn 257.610	190561.3	1770	ug/L	15.4	159.5	mg/kg	1.38	0.87%
Mo 202.031	26.6	-12.43	ug/L	0.815	-1.120	mg/kg	0.0734	6.56%
Na 589.592	21106.6	296.9	ug/L	13.79	26.75	mg/kg	1.242	4.64%
Ni 231.604	9080.5	80.04	ug/L	0.614	7.210	mg/kg	0.0553	0.77%
P 213.617	7376.8	881.5	ug/L	8.49	79.41	mg/kg	0.765	0.96%
Pb 220.353	1063.5	52.24	ug/L	1.396	4.707	mg/kg	0.1257	2.67%
Sb 206.836	-37.9	-5.394	ug/L	3.3321	-0.486	mg/kg	0.3002	61.78%
Se 196.026	-33.7	-6.978	ug/L	11.0977	-0.629	mg/kg	0.9998	159.03%
Sn 189.927	-200.0	-20.04	ug/L	1.872	-1.805	mg/kg	0.1687	9.34%
Sr 421.552	438897.5	277.1	ug/L	3.38	24.96	mg/kg	0.305	1.22%
Ti 337.279	147329.4	1321	ug/L	11.8	119.0	mg/kg	1.06	0.89%
Tl 190.801	-329.4	-5.160	ug/L	4.1948	-0.465	mg/kg	0.3779	81.30%
V 292.402	114622.2	285.5	ug/L	3.12	25.72	mg/kg	0.281	1.09%
Zn 206.200	27675.5	138.6	ug/L	0.39	12.49	mg/kg	0.035	0.28%

Sequence No.: 61
Sample ID: AY56027803-A
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.11 g
Dilution:

Autosampler Location: 74
Date Collected: 03/05/12 4:09:20 PM
Data Type: Reprocessed on 03/06/12 9:17:34 AM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56027803-A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	33473.0	183.4	ug/L	0.83	16.52	mg/kg	0.075	0.45%
Al 308.215	564569.9	243900	ug/L	4270.0	21970	mg/kg	384.7	1.75%
As 188.979	2776.6	532.6	ug/L	3.51	47.98	mg/kg	0.317	0.66%
B	3089.1	892.0	ug/L	9.60	80.36	mg/kg	0.865	1.08%
Ba 233.527	245968.7	893.0	ug/L	1.91	80.45	mg/kg	0.172	0.21%
Be 313.107	619267.8	82.09	ug/L	0.285	7.396	mg/kg	0.0257	0.35%
Ca 315.887	45234635.0	1925000	ug/L	14397.0	173400	mg/kg	1297.0	0.75%
Cd 214.440	40073.5	63.95	ug/L	1.066	5.761	mg/kg	0.0960	1.67%
Co 228.616	44181.2	407.9	ug/L	3.62	36.75	mg/kg	0.326	0.89%
Cr 267.716	107526.4	559.2	ug/L	1.83	50.38	mg/kg	0.164	0.33%
Cu 327.393	69179.8	480.6	ug/L	2.86	43.30	mg/kg	0.258	0.60%
Fe 273.955	4647121.4	118300	ug/L	374.9	10660	mg/kg	33.8	0.32%
K 766.490	302245.3	52540	ug/L	985.4	4733	mg/kg	88.8	1.88%
Mg 285.213	3622736.1	80120	ug/L	1415.2	7218	mg/kg	127.5	1.77%
Mn 257.610	233964.4	2179	ug/L	14.3	196.3	mg/kg	1.28	0.65%
Mo 202.031	22392.9	406.2	ug/L	2.29	36.60	mg/kg	0.207	0.56%
Na 589.592	759681.8	46300	ug/L	846.9	4171	mg/kg	76.3	1.83%
Ni 231.604	42802.8	471.0	ug/L	4.48	42.44	mg/kg	0.403	0.95%
P 213.617	37188.5	4444	ug/L	48.4	400.3	mg/kg	4.36	1.09%
Pb 220.353	8935.2	438.9	ug/L	6.27	39.54	mg/kg	0.565	1.43%
Sb 206.836	3302.3	469.5	ug/L	8.22	42.30	mg/kg	0.741	1.75%
Se 196.026	2248.8	466.1	ug/L	18.13	41.99	mg/kg	1.633	3.89%
Sn 189.927	4045.2	405.4	ug/L	4.92	36.52	mg/kg	0.443	1.21%
Sr 421.552	1078334.7	714.9	ug/L	13.74	64.41	mg/kg	1.238	1.92%
Ti 337.279	193193.3	1741	ug/L	13.3	156.8	mg/kg	1.19	0.76%
Tl 190.801	4669.2	388.4	ug/L	2.79	34.99	mg/kg	0.251	0.72%
V 292.402	251732.5	689.0	ug/L	2.33	62.07	mg/kg	0.210	0.34%
Zn 206.200	128677.2	898.7	ug/L	4.24	80.97	mg/kg	0.382	0.47%

Sequence No.: 62
Sample ID: AY56027S03-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.11 g
Dilution: 5X

Autosampler Location: 75
Date Collected: 03/05/12 4:14:15 PM
Data Type: Reprocessed on 03/06/12 9:17:35 AM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56027S03-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	808.7	4.430	ug/L	0.1883	1.996	mg/kg	0.0848	4.25%
Al 308.215	126272.6	54550	ug/L	676.1	24570	mg/kg	304.5	1.24%
As 188.979	43.7	8.392	ug/L	0.7276	3.780	mg/kg	0.3278	8.67%
B	-177.7	114.2	ug/L	4.17	51.45	mg/kg	1.880	3.65%
Ba 233.527	36650.5	129.7	ug/L	1.25	58.41	mg/kg	0.563	0.96%
Be 313.107	5602.9	-0.118	ug/L	0.0236	-0.053	mg/kg	0.0106	20.02%
Ca 315.887	11380519.7	484300	ug/L	2658.3	218100	mg/kg	1197.4	0.55%
Cd 214.440	845.2	-3.686	ug/L	0.0067	-1.660	mg/kg	0.0030	0.18%
Co 228.616	997.3	3.896	ug/L	0.2370	1.755	mg/kg	0.1067	6.08%
Cr 267.716	8394.4	39.46	ug/L	0.168	17.78	mg/kg	0.076	0.43%
Cu 327.393	1427.6	9.918	ug/L	0.0983	4.468	mg/kg	0.0443	0.99%
Fe 273.955	1225621.1	31250	ug/L	307.0	14070	mg/kg	138.3	0.98%
K 766.490	55890.3	9609	ug/L	120.8	4329	mg/kg	54.4	1.26%
Mg 285.213	389414.7	8460	ug/L	81.8	3811	mg/kg	36.9	0.97%
Mn 257.610	44933.7	417.3	ug/L	7.28	188.0	mg/kg	3.28	1.74%
Mo 202.031	29.5	-2.489	ug/L	0.1980	-1.121	mg/kg	0.0892	7.95%
Na 589.592	7506.9	219.5	ug/L	6.69	98.89	mg/kg	3.014	3.05%
Ni 231.604	2349.0	21.11	ug/L	1.679	9.511	mg/kg	0.7563	7.95%
P 213.617	1684.0	201.2	ug/L	2.97	90.64	mg/kg	1.338	1.48%
Pb 220.353	279.2	13.72	ug/L	0.608	6.178	mg/kg	0.2739	4.43%
Sb 206.836	-7.3	-1.043	ug/L	1.1559	-0.470	mg/kg	0.5207	110.86%
Se 196.026	-22.9	-4.754	ug/L	2.2829	-2.142	mg/kg	1.0283	48.02%
Sn 189.927	-63.8	-6.393	ug/L	0.3952	-2.880	mg/kg	0.1780	6.18%
Sr 421.552	98364.5	61.64	ug/L	0.748	27.77	mg/kg	0.337	1.21%
Ti 337.279	33206.4	297.2	ug/L	6.31	133.9	mg/kg	2.84	2.12%
Tl 190.801	-97.4	-2.952	ug/L	0.6451	-1.330	mg/kg	0.2906	21.86%
V 292.402	27553.0	68.27	ug/L	0.513	30.75	mg/kg	0.231	0.75%
Zn 206.200	8716.2	48.51	ug/L	0.375	21.85	mg/kg	0.169	0.77%

Metals Standards Log Book # 34 Page # 073

1%HNO3 / 5%HCl BLK				
AMOUNT	REAGENT	MANUFACTURER	LOT	OPEN DATE
100 mL	HCL	BDH	411040	12/28/11
20 mL	HNO3	JT BAKER	K23022	12/27/11
Prepared in 2000 ml DI Water				

STD 1 / LDL 6010B/6010C				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
0.5 mL	6010 LDL	ABSOLUTE	091409-25205	09/14/12
Prepared in 50 ml 1%HNO3/5%HCl				

STD 3 / HDL 6010B/6010C				
1ML	CCV-A	ABSOLUTE	091409-25206	09/14/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12
1ML	CCV-C	ABSOLUTE	091009-25207	09/10/12
Prepared in 100 ml 1%HNO3 / 5%HCl				

STD 2 / CCV1 6010B/6010C/6010C			
AMOUNT	STD	PREP DATE	EXP DATE
25mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

CCV2 6010B/6010C			
AMOUNT	STD	PREP DATE	EXP DATE
15mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

6010B/6010C ICSA				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2786	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
Prepared in 50 ml 1%HNO3/5%HCl				

6010B/6010C ICSAB				
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2786	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
0.5mL	IT SPECIAL M	O2SI	160495-01-01	03/01/12
Prepared in 50 ml 1%HNO3/5%HCl				

6010B/6010C ICV			
0.5ML	QCS ICV A	CPI	11C174-28548 09/17/12
0.5ML	QCS ICV B	CPI	11C174-28549 09/17/12
Prepared in 50ml 1%HNO3/5%HCl			

EA 3-2-12

NBS 03/02/12

Hg WORKING STANDARD

1ml X 10ug/ml Hg STOCK STD. (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
1ml X 10ug/ml Hg STOCK ICV (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
Final concentration is 50 ug/L. Expires....03/02/12.....

1%HNO3 / 5%HCl BLK				
AMOUNT	REAGENT	MANUFACTURER	LOT	OPEN DATE
100 mL	HCL	BDH	411040	12/28/11
20 mL	HNO3	JT BAKER	K23022	12/27/11
Prepared in 2000 ml DI Water				

STD 1 / LDL 6010B/6010C				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
0.5 mL	6010 LDL	ABSOLUTE	091409-25205	09/14/12
Prepared in 50 ml 1%HNO3/5%HCl				

STD 3 / HDL 6010B/6010C				
1ML	CCV-A	ABSOLUTE	091409-25206	09/14/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12
1ML	CCV-C	ABSOLUTE	091009-25207	09/10/12
Prepared in 100 ml 1%HNO3 / 5%HCl				

STD 2 / CCV1 6010B/6010C/6010C			
AMOUNT	STD	PREP DATE	EXP DATE
25mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

CCV2 6010B/6010C			
AMOUNT	STD	PREP DATE	EXP DATE
15mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

6010B/6010C ICSA				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2786	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
Prepared in 50 ml 1%HNO3/5%HCl				

6010B/6010C ICSAB				
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2786	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
0.5mL	IT SPECIAL M	O2SI	160495-01-01	03/01/12
Prepared in 50 ml 1%HNO3/5%HCl				

6010B/6010C ICV			
0.5ML	QCS ICV A	CPI	11C174-28548 09/17/12
0.5ML	QCS ICV B	CPI	11C174-28549 09/17/12
Prepared in 50ml 1%HNO3/5%HCl			

EA 3-5-12

KWS 03/05/12

Hg WORKING STANDARD

1ml X 10ug/ml Hg STOCK STD. (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
1ml X 10ug/ml Hg STOCK ICV (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
Final concentration is 50 ug/L. Expires...03/05/12.....

_M3050GRO

Metals Digestion Worksheet

Method Name 3050B Digestion (GROSS UP) **Prep Method** M3050GROSS **Set** 120302A **Units** mL

Spikes	
Spiked ID 1	LCSW LOT# #1032278-30260
Spiked ID 2	LCSW LOT# #1032271-30258
Spiked ID 3	
Spiked ID 4	
Spiked By	LO Date: 03/02/12 1:00:00 PM
Witnessed By	NM Date: 03/02/12 1:00:00 PM

Starting Temp:	95 C
Ending Temp:	95 C
Temperature Type:	Mod Block
Sufficient Vol for Matrix QC:	YES
End Date/Time	03/02/12 16:30

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	120302A Blk				1.00g	100mL	03/02/12 13:00	equip: Modblock1
2	120302A LCS		1mL	1+2	1.00g	100mL	03/02/12 13:00	equip: Modblock1
3	AY56027	AY56027S03			1.11g	100mL	03/02/12 13:00	equip: Modblock1
4	AY56027 MS	AY56027S03	2mL	1+2	1.11g	100mL	03/02/12 13:00	equip: Modblock1
5	AY56027 MSD	AY56027S03	2mL	1+2	1.11g	100mL	03/02/12 13:00	equip: Modblock1

Solvent and Lot#
1:1 HNO3 na
HNO3 J.T.B K47023 0145
H2O2 EMD na
HCL B.D.H 4111060 0146

Sample COC Transfer	
Sample prep employee Initials	LO
Analyst's initials	EA
Date	3-2-12
Time	16:30
Moved to	Metals

Technician's Initials	
Scanned By	NM
Sample Preparation	NM
Digestion	NM
Bring up to volume	LO
Modified	03/02/12 4:28:31 PM

Reviewed By: EA 336 **Date:** 3-2-12

MERCURY
EPA SW846
7471A

APPL, INC.

MERCURY
EPA SW846
7471A
AFCEE Forms

APPL, INC.

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 7471B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120302A-164455
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-SW1	AY56027

Comments: ARF: 67099

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

Signature: _____ Name: Diane Anderson

Date: 3-12-12 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120302A-164455
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-SW1 Lab Sample ID: AY56027 Matrix: Soil
% Solids: 89.8 Initial Calibration ID: 120305B
Date Received: 01-Mar-12 Date Prepared: 02-Mar-12 Date Analyzed: 05-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.07	1	F

Comments: ARF: 67099

AFCEE
INORGANIC ANALYSES DATA SHEET 3
MERCURY INITIAL MULTIPOINT CALIBRATION

Analytical Method: 7471 Gross Up
AAB #: 120302A-164455
Lab Name: APPL, Inc
Contract #: *G012
Instrument ID: PE300
Date of Initial Calibration: 05-Mar-12
Initial Calibration ID: 120305B
Concentration Units (mg/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	r	Q
Mercury	0.000208	0.005	0.000521	0.012	0.001042	0.021	0.002083	0.042	0.005208	0.101	0.99992	

r = correlation coefficient

Comments:

AFCEE FORM I-3A

AFCEE
INORGANIC ANALYSES DATA SHEET 3
MERCURY INITIAL MULTIPOINT CALIBRATION

Analytical Method: 7471 Gross Up
AAB #: 120302A-164455
Lab Name: APPL, Inc
Contract #: *G012
Instrument ID: PE300
Date of Initial Calibration: 05-Mar-12
Initial Calibration ID: 120305B
Concentration Units (mg/L or mg/kg): mg/kg

Analyte	Std 6	RF 6									r	Q
Mercury	0.01042	0.205									0.99992	

r = correlation coefficient

Comments:

AFCEE FORM I-3A

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 7471 Gross Up
AAB #: 120302A-164455
Lab Name: APPL, Inc.
Contract #: *G012
Instrument ID: PE300
Initial Calibration ID: 120305B
2nd Source ID: ICV 03/05/12 13:24
ICV ID: ICV 03/05/12 13:24
CCV #1 ID: CCV 03/05/12 13:28
CCV #2 ID: CCV 03/05/12 13:41
Concentration Units (mg/L or mg/kg): mg/kg

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury (Hg)	0.00417	0.00407	2.4%	0.00417	0.00407	2.4%	0.005208	0.00514	1.3%	0.00532	2.1%	

Comments:

AFCEE FORM I-4 Page 1 of 1

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANK

Analytical Method: EPA 7471B
AAB #: 120302A-164455
Lab Name: APPL, Inc
Contract #: *G012
Concentration Units: mg/kg
Method Blank ID: 120302A-BLK
Initial Calibration ID: 120305B

Analyte	Method Blank	RL	Q
MERCURY (HG)	< RL	0.1	U

Comments: ARF: 67099, Sample: AY56027

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 7471 Gross Up AAB #: 120302A-164455

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg): mg/kg

Initial Calibration Blank ID: ICB 03/05/12 13:27 Initial Calibration ID: 120305B

CCB #1 ID: CCB 03/05/12 13:32 CCB #2 ID: CCB 03/05/12 13:44 CCB #3 ID:

Method Blank ID: 120302A-BLK Initial Calibration ID: 120305B

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Mercury (Hg)	<RL	<RL	<RL		<RL	0.1	

Comments:

AFCEE FORM I-5 Page 1 of 1

AFCEE
INORGANIC ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 7471B
AAB #: 120302A-164455
Lab Name: APPL, Inc
Contract #: *G012
LCS ID: 120302A LCS
Initial Calibration ID: 120305B
Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
MERCURY (HG)	0.67	0.73	109	77-120	

Comments: ARF: 67099, Sample: AY56027

AFCEE
INORGANIC ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: EPA 7471B AAB#: 120302A-164455

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
B4-NT1-SW1	29-Feb-12	01-Mar-12	05-Mar-12	28	5	

Comments: ARF: 67099

AFCEE
INORGANIC ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 7471B ICAL ID: 120305B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: PE300

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
Calib Blank	05-Mar-12	13:08	05-Mar-12	13:08
0.208	05-Mar-12	13:09	05-Mar-12	13:09
0.520833	05-Mar-12	13:11	05-Mar-12	13:11
1.041667	05-Mar-12	13:13	05-Mar-12	13:13
2.083333	05-Mar-12	13:15	05-Mar-12	13:15
5.208	05-Mar-12	13:17	05-Mar-12	13:17
10.417	05-Mar-12	13:19	05-Mar-12	13:19
ICV	05-Mar-12	13:24	05-Mar-12	13:24
ICB	05-Mar-12	13:27	05-Mar-12	13:27
CCV	05-Mar-12	13:28	05-Mar-12	13:28
CCB	05-Mar-12	13:32	05-Mar-12	13:32
120302A-BLK	05-Mar-12	13:33	05-Mar-12	13:33
120302A-LCS	05-Mar-12	13:34	05-Mar-12	13:34
AY56027S03	05-Mar-12	13:36	05-Mar-12	13:36
CCV	05-Mar-12	13:41	05-Mar-12	13:41
CCB	05-Mar-12	13:44	05-Mar-12	13:44

Sample_ID	EL	Date	Time	Mean_SA	Units	Batch_ID	Wt	Dilu
Calib Blank	Hg	03/05/12	13:08:36		µg/L			
0.2083 03-02-12 LO	Hg	03/05/12	13:09:49		µg/L			
0.520833	Hg	03/05/12	13:11:03		µg/L			
1.041667	Hg	03/05/12	13:13:04		µg/L			
2.083333	Hg	03/05/12	13:15:06		µg/L			
5.208	Hg	03/05/12	13:17:09		µg/L			
10.417	Hg	03/05/12	13:19:12		µg/L			
ICV 03-02-12 LO	Hg	03/05/12	13:24:56	4.070215	µg/L			
ICB 03-02-12 LO	Hg	03/05/12	13:27:44	0.058524	µg/L			
CCV 03-02-12 LO	Hg	03/05/12	13:28:59	5.140645	µg/L			
CCB 03-02-12 LO	Hg	03/05/12	13:32:07	0.04316	µg/L			
120302A BLK	Hg	03/05/12	13:33:20	0.036274	mg/kg	120302A-7471GRO	0.6	
120302A LCS	Hg	03/05/12	13:34:35	0.725735	mg/kg	120302A-7471GRO	0.6	
AY56027S03	Hg	03/05/12	13:36:35	0.064836	mg/kg	120302A-7471GRO	0.67	
~~AY56027S03 MS~~	~~Hg~~	~~03/05/12~~	~~13:37:48~~	~~0.700774~~	~~mg/kg~~	~~120302A-7471GRO~~	~~0.67~~	—
~~AY56027S03 MSD~~	~~Hg~~	~~03/05/12~~	~~13:39:50~~	~~0.686997~~	~~mg/kg~~	~~120302A-7471GRO~~	~~0.67~~	—
CCV 03-02-12 LO	Hg	03/05/12	13:41:52	5.318029	µg/L			
CCB 03-02-12 LO	Hg	03/05/12	13:44:11	0.080321	µg/L			

R=0.99992

MERCURY
EPA SW846
7471A
Calibration Data

APPL, INC.

Parsons

Hg BY METHOD 7471B ARF#67099
QCG 120302A-7471GROSS
ANALYSIS DATE: 03/05/12

R=0.99992

NAME	TRUE	RESULT	% RECOVERY
ICV	4.17ppb	4.070	97.6%
ICB	0ppb	0.059	
CCV-1	5.208ppb	5.141	98.7%
CCB-1	0ppb	0.043	
CCV-2	5.208ppb	5.318	102.1%
CCB-2	0ppb	0.080	

Method Name: Hg-7471 - KWS Element: Hg

Date: 03/05/2012
Results Data Set: 120302A-7471GRO

Element: Hg Seq. No.: 2 Date: 03/05/2012
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.000	13:06:57

Auto-zero performed.

Element: Hg Seq. No.: 3 Date: 03/05/2012
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.000	13:08:25
2			-0.001	13:08:31
3			-0.001	13:08:36
Mean:			0.000	
SD :			0.000	
%RSD:			52.91	

Auto-zero performed.

Element: Hg Seq. No.: 4 Date: 03/05/2012
Sample ID: 0.2083 03-02-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.005	13:09:39
2			0.005	13:09:44
3			0.005	13:09:49
Mean:			0.005	
SD :			0.000	
%RSD:			5.60	

Standard number 1 applied. [0.2083333]
Correlation Coefficient: 1.0000 Slope: 0.0230

Element: Hg Seq. No.: 5 Date: 03/05/2012
Sample ID: 0.520833

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.012	13:10:52
2			0.012	13:10:57
3			0.012	13:11:03
Mean:			0.012	
SD :			0.000	
%RSD:			2.93	

Standard number 2 applied. [0.520833]
Correlation Coefficient: 1.0000 Slope: 0.0228
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 6 Date: 03/05/2012
Sample ID: 1.041667

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.020	13:12:53
2			0.021	13:12:59
3			0.021	13:13:04
Mean:			0.021	
SD :			0.001	
%RSD:			2.91	

Standard number 3 applied. [1.041667]
Correlation Coefficient: 0.9936 Slope: 0.0207
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 7 Date: 03/05/2012
Sample ID: 2.083333

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.041	13:14:55
2			0.042	13:15:01
3			0.043	13:15:06
Mean:			0.042	
SD :			0.001	
%RSD:			2.49	

Standard number 4 applied. [2.083333]
Correlation Coefficient: 0.9986 Slope: 0.0202
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 8 Date: 03/05/2012
Sample ID: 5.208

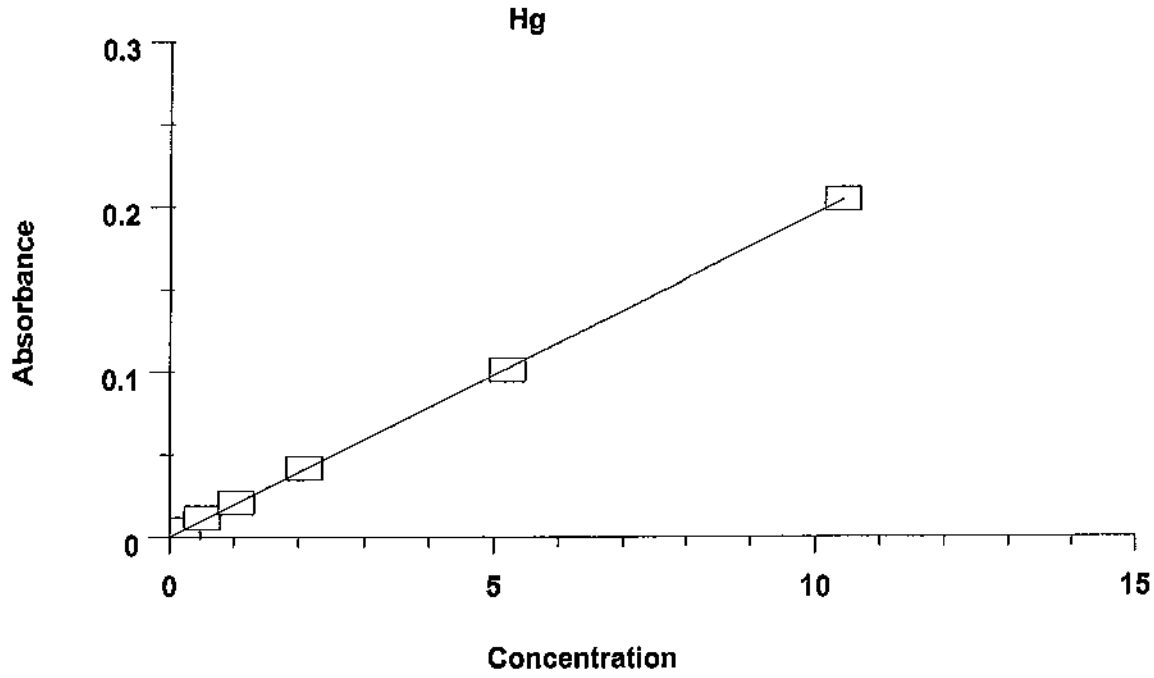
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.098	13:16:58
2			0.102	13:17:03
3			0.104	13:17:09
Mean:			0.101	
SD :			0.003	
%RSD:			2.77	

Standard number 5 applied. [5.208]
Correlation Coefficient: 0.9996 Slope: 0.0196
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 9 Date: 03/05/2012
Sample ID: 10.417

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.198	13:19:01
2			0.206	13:19:07
3			0.210	13:19:12
Mean:			0.205	
SD :			0.006	
%RSD:			2.91	

The calibration curve may not be linear.
Standard number 6 applied. [10.417]
Correlation Coefficient: 0.9999 Slope: 0.0196



Calibration data for Hg

Standard ID	Mean Signal (Absorbance)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	----	0.000	0.000258	
0.2083 03-02-12 LO	0.005	0.2083333	0.2434	0.000268	5.600887
0.520833	0.012	0.520833	0.6044	0.000347	2.925640
1.041667	0.021	1.041667	1.061	0.000606	2.906682
2.083333	0.042	2.083333	2.123	0.001040	2.492723
5.208	0.101	5.208	5.161	0.002805	2.766294
10.417	0.205	10.417	10.42	0.005957	2.908552

Correlation Coefficient: 0.99992 Slope: 0.01965

MERCURY
EPA SW846
7471A
Raw Data

APPL, INC.

Element: Hg Seq. No.: 10 Date: 03/05/2012
Sample ID: ICV 03-02-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	3.936	3.936	0.077	13:24:45
2	4.114	4.114	0.081	13:24:50
3	4.161	4.161	0.082	13:24:56
Mean:	4.070	4.070	0.080	
SD :	0.1187	0.1187	0.002	
%RSD:	2.92	2.92	2.92	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 11 Date: 03/05/2012
Sample ID: ICB 03-02-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.03346	0.03346	0.001	13:27:33
2	0.07685	0.07685	0.002	13:27:38
3	0.06527	0.06527	0.001	13:27:44
Mean:	0.05852	0.05852	0.001	
SD :	0.02247	0.02247	0.000	
%RSD:	38.39	38.39	38.39	

QC value within specified limits.

Element: Hg Seq. No.: 12 Date: 03/05/2012
Sample ID: CCV 03-02-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	4.987	4.987	0.098	13:28:48
2	5.165	5.165	0.101	13:28:53
3	5.269	5.269	0.104	13:28:59
Mean:	5.141	5.141	0.101	
SD :	0.1428	0.1428	0.003	
%RSD:	2.78	2.78	2.78	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 13 Date: 03/05/2012
Sample ID: CCB 03-02-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.04471	0.04471	0.001	13:31:56
2	0.05476	0.05476	0.001	13:32:01
3	0.03001	0.03001	0.001	13:32:07
Mean:	0.04316	0.04316	0.001	
SD :	0.01244	0.01244	0.000	
%RSD:	28.83	28.83	28.83	

QC value within specified limits.

Element: Hg Seq. No.: 14 Date: 03/05/2012
Sample ID: 120302A BLK

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.03648	0.2280	0.004	13:33:10
2	0.03637	0.2273	0.004	13:33:15
3	0.03597	0.2248	0.004	13:33:20
Mean:	0.03627	0.2267	0.004	
SD :	0.000266	0.001662	0.000	
%RSD:	0.73	0.73	0.73	

Element: Hg Seq. No.: 15 Date: 03/05/2012
Sample ID: 120302A LCS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.7056	4.410	0.087	13:34:24
2	0.7300	4.563	0.090	13:34:29
3	0.7415	4.634	0.091	13:34:35
Mean:	0.7257	4.536	0.089	
SD :	0.01832	0.1145	0.002	
%RSD:	2.52	2.52	2.52	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 16 Date: 03/05/2012
Sample ID: AY56027S03

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.06244	0.4358	0.009	13:36:25
2	0.06653	0.4643	0.009	13:36:30
3	0.06554	0.4574	0.009	13:36:35
Mean:	0.06484	0.4525	0.009	
SD :	0.002130	0.01487	0.000	
%RSD:	3.29	3.29	3.29	

Element: Hg Seq. No.: 17 Date: 03/05/2012
Sample ID: AY56027S03 MS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.6849	4.780	0.094	13:37:38
2	0.7039	4.913	0.097	13:37:43
3	0.7135	4.980	0.098	13:37:48
Mean:	0.7008	4.891	0.096	
SD :	0.01453	0.1014	0.002	
%RSD:	2.07	2.07	2.07	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 18 Date: 03/05/2012
Sample ID: AY56027S03 MSD

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.6659	4.647	0.091	13:39:39
2	0.6915	4.826	0.095	13:39:44
3	0.7006	4.890	0.096	13:39:50
Mean:	0.6860	4.788	0.094	
SD :	0.01802	0.1258	0.002	
%RSD:	2.63	2.63	2.63	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 19 Date: 03/05/2012
Sample ID: CCV 03-02-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.166	5.166	0.101	13:41:41
2	5.343	5.343	0.105	13:41:47
3	5.446	5.446	0.107	13:41:52
Mean:	5.318	5.318	0.104	
SD :	0.1416	0.1416	0.003	
%RSD:	2.66	2.66	2.66	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 20 Date: 03/05/2012
Sample ID: CCB 03-02-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.07303	0.07303	0.001	13:44:00
2	0.09145	0.09145	0.002	13:44:05
3	0.07648	0.07648	0.002	13:44:11
Mean:	0.08032	0.08032	0.002	
SD :	0.009792	0.009792	0.000	
%RSD:	12.19	12.19	12.19	

QC value within specified limits.

Metals Standards Log Book # 34 Page # 073

1%HNO3 / 5%HCl BLK				
AMOUNT	REAGENT	MANUFACTURER	LOT	OPEN DATE
100 mL	HCL	BDH	411040	12/28/11
20 mL	HNO3	JT BAKER	K23022	12/27/11
Prepared in 2000 ml DI Water				

STD 1 / LDL 6010B/6010C				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
0.5 mL	6010 LDL	ABSOLUTE	091409-25205	09/14/12
Prepared in 50 ml 1%HNO3/5%HCl				

STD 3 / HDL 6010B/6010C				
1ML	CCV-A	ABSOLUTE	091409-25206	09/14/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12
1ML	CCV-C	ABSOLUTE	091009-25207	09/10/12
Prepared in 100 ml 1%HNO3 / 5%HCl				

STD 2 / CCV1 6010B/6010C/6010C			
AMOUNT	STD	PREP DATE	EXP DATE
25mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

CCV2 6010B/6010C			
AMOUNT	STD	PREP DATE	EXP DATE
15mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

6010B/6010C ICSA				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2788	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
Prepared in 50 ml 1%HNO3/5%HCl				

6010B/6010C ICSAB				
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2788	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
0.5mL	JT SPECIAL M	O2SI	160495-01-01	03/01/12
Prepared in 50 ml 1%HNO3/5%HCl				

6010B/6010C ICV				
0.5ML	QCS ICV A	CPI	11C174-28548	09/17/12
0.5ML	QCS ICV B	CPI	11C174-28549	09/17/12
Prepared in 50ml 1%HNO3/5%HCl				

03-2-12

NBS 03/02/12

Hg WORKING STANDARD

1ml X 10ug/ml Hg STOCK STD. (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
1ml X 10ug/ml Hg STOCK ICV (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
Final concentration is 50 ug/L. Expires....03/02/12.....

1%HNO3 / 5%HCl BLK				
AMOUNT	REAGENT	MANUFACTURER	LOT	OPEN DATE
100 mL	HCL	BDH	411040	12/28/11
20 mL	HNO3	JT BAKER	K23022	12/27/11
Prepared in 2000 ml DI Water				

STD 1 / LDL 6010B/6010C				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
0.5 mL	6010 LDL	ABSOLUTE	091409-25205	09/14/12
Prepared in 50 ml 1%HNO3/5%HCl				

STD 3 / HDL 6010B/6010C				
1ML	CCV-A	ABSOLUTE	091409-25206	09/14/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12
1ML	CCV-C	ABSOLUTE	091009-25207	09/10/12
Prepared in 100 ml 1%HNO3 / 5%HCl				

STD 2 / CCV1 6010B/6010C/6010C			
AMOUNT	STD	PREP DATE	EXP DATE
25mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

CCV2 6010B/6010C			
AMOUNT	STD	PREP DATE	EXP DATE
15mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

6010B/6010C ICSA				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2788	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
Prepared in 50 ml 1%HNO3/5%HCl				

6010B/6010C ICSAB				
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2788	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
0.5mL	JT SPECIAL M	O2SI	160495-01-01	03/01/12
Prepared in 50 ml 1%HNO3/5%HCl				

6010B/6010C ICV				
0.5ML	QCS ICV A	CPI	11C174-28548	09/17/12
0.5ML	QCS ICV B	CPI	11C174-28549	09/17/12
Prepared in 50ml 1%HNO3/5%HCl				

03-5-12

KWS 03/05/12

Hg WORKING STANDARD

1ml X 10ug/ml Hg STOCK STD. (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
1ml X 10ug/ml Hg STOCK ICV (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
Final concentration is 50 ug/L. Expires..03/05/12.....

Metals Standards Log Book # 34 Page # 063

RS 2/17/12

Hg STANDARD
CPI Lot # 11D140-28885
10ug/ml in 1% HNO3 LOT#K47023
Prep.-Date 02/17/12
Exp. Date 03/16/12
By KWS

Manufacturer: J.T. Baker

Hg STOCK ICV
Ultra Scientific Lot #
K00200-26307
10ug/ml In 1% HNO3 LOT#K47023
Prep.Date 02/17/12
Exp. Date 03/16/12
By KWS
Manufacturer: J.T. Baker

STANNOUS CHLORIDE
125g SnCl2 MACRON Lot #K12620
100 mL HCl J.T. BAKER Lot #K29026
Brought to 500 mL with DI Water
Prep. Date 02/17/12
Exp. Date 02/16/13
By KWS

RS 2/17/12

NBS 02/17/12

ICP-MS STANDARDS 6020/6020A/3016/3051A 02/17/12
Today's Date:
Expires: 02/24/12
Prep 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL DI Water
Lot # K23022
20mL HCL / 2000mL DI Water
Lot #K43032
Expires: 02/24/12

Internal Standard Mix: Prep 02/16/2012

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1038407-28139
50 uL	CCV-B	Env. Express	1038410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 02/17/12

Standard 3 02/24/12

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1038407-28139
25 uL	CCV-B	Env. Express	1038410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 02/17/12

Standard 2 02/24/12

Amount	STD	
500 uL	Standard 4	02/17/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 02/17/12

Standard 1 02/24/12

Amount	STD	
50 uL	Standard 4	02/17/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 02/17/12

ICP-MS ICV 02/24/12

Amount	STD		
50 uL	QCS ICV A	CPI	11C174-28548
50 uL	QCS ICV B	CPI	11C174-28549

Prepared in 50 mL of 1% HNO3/1.0% HCL 02/17/12

ICSA Prep: 02/24/12

1 mL	ICSA	CPI	11C066-28529

Prepared in 5 mL of 1% HNO3/1.0% HCL 02/17/12

ICSAB Prep: 02/24/12

1mL	ICSA	CPI	11C066-28529
0.025mL	INT	O2SI	1023805-28210

Prepared in 5 mL of 1% HNO3/1.0% HCL 02/17/12

ICP-LOR 02/24/12

Amount	STD		
50 uL	CCV-A	Env. Express	1038407-28139
50 uL	CCV-B	Env. Express	1038410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 10 mL of 1% HNO3/1.0% HCL 02/17/12

NBS 02/20/12

Internal Standard Concentration

Amt	STD	Element	Vendor	Lot#	Final Conc. In Std	Expires
500uL	1000 ug/mL	Li	CPI	10L079-27839	5000 ug/L	09/10/12
500uL	1000 ug/mL	In	CPI	10J155-28574	5000 ug/L	09/25/12
500uL	1000 ug/mL	Ho	CPI	10A107-28576	5000 ug/L	09/25/12
500uL	1000 ug/mL	Tb	CPI	11B054-28575	5000 ug/L	09/25/12
500uL	1000 ug/mL	Sc	o2si	1024073-28527	5000 ug/L	08/18/12
500uL	1000 ug/mL	Ge	Environmental Express	1115011-29381	5000 ug/L	02/08/13

Prep:	02/20/12	NBS	Prep in -	1%HNO3/1.0%HCL;	Lot #KK23022/43032	in 100mL
Expires:	03/21/12					

_M7471GRO

Mercury Digestion Worksheet

Method Name 7471A Mercury Digestion (GROSS UP **Prep Method** M7471GRO **Set** 120302A **Units** mL

Spikes	
Spiked ID 1	Hg WORKING STANDARD prep 03-02-12
Spiked ID 2	Hg WORKING ICV prep 03-02-12
Spiked ID 3	
Spiked ID 4	
Spiked By	LO Date: 03/02/12 1:00:00 PM
Witnessed By	NM Date: 03/02/12 1:00:00 PM

Mercury Calibration			
Sample	**Spike Amount**	**Spike ID**	**Final Volume**
0 ppb		1	96 ml
0.2 ppb	0.4 ml	1	96 ml
0.5 ppb	1 ml	1	96 ml
1 ppb	2 ml	1	96 ml
2 ppb	4 ml	1	96 ml
5 ppb	10 ml	1	96 ml
5 ppb	10 ml	1	96 ml
10 ppb	20 ml	1	96 ml
ICV	8 ml	2	96 ml

Start Date/Time of Calibration 03/02/12 13:00

Starting Temp:	95 C
Ending Temp:	95 C
Temp Type:	Modblock1
End Date/Time	03/02/12 1:50:00 PM

Sufficient Vol for Matrix QC:	YES

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	120302A Blk				0.60g	96mL	03/02/12 13:00	equip: Modblock1
2	120302A LCS		8mL	1	0.60g	96mL	03/02/12 13:00	equip: Modblock1
3	AY56027	AY56027S03			0.67g	96mL	03/02/12 13:00	equip: Modblock1
4	AY56027 MS	AY56027S03	8mL	1	0.67g	96mL	03/02/12 13:00	equip: Modblock1
5	AY56027 MSD	AY56027S03	8mL	1	0.67g	96mL	03/02/12 13:00	equip: Modblock1

Solvent and Lot#
AQUAREGIA 2-16-12
KMnO4 12-15-11
DECOLORIZER 12-14-11

Sample COC Transfer	
Sample prep employee Initials	LO
Analyst's initials	EA
Date	3-2-12
Time	13:50
Moved to	Metals

Technician's Initials	
Scanned By	NM
Sample Preparation	NM
Digestion	NM
Bring up to volume	LO
Modified	03/02/12 4:46:51 PM

Reviewed By: EA **Date:** 3-2-12

Wetlab Results

ARF: 67099

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Parsons
8000 Centre Park Drive Ste 200
Austin, TX 78754

Attn: Tammy Chang

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
APPL ID: AY56027	-Client Sample ID: B4-NT1-SW1		-Sample Collection Date: 02/29/12		Project: 748372.06000 CSSA B-	
CLP MOIST	MOISTURE	10.2	2.0	%	03/01/12	03/02/12

Printed: 03/07/12 5:00:32 PM

WETLAB

Sample/Sample Duplicate Results

Parsons
8000 Centre Park Drive Ste 200
Austin, TX 78754

Attn: Tammy Chang

Project: 748372.06000 CSSA B-4

Sample ID: AY56027
Client ID: B4-NT1-SW1

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

ARF: 67099

Method	Analyte	Sample ID	Sample Result	Sample Dup Result	RPD	RPD Max	PQL	Units	Sample Extract Date	Sample Analysis Date	Sample Dup Extract Date	Sample Dup Analysis Date
CLP MOIS	MOISTURE	AY56027	10.2	10.6	3.8	20	2.0	%	03/01/12	03/02/12	03/01/12	03/02/12

Printed: 03/07/12 5:00:20 PM

% Moisture

Batch: QCG 120301-M003937

Method: CLP 4.0

Date: 03/01/12 16:31

Sample	Container	Pan (g)	Pan+Wet (g)	Pan+Dry 1 (g)	Pan+Dry 2 (g)	Moisture (%)	Comments
AY56027D		0.8240 03/01/12 16:31	7.7978 03/01/12 16:32	7.0551 03/02/12 10:19	7.0555 03/02/12 10:19	10.644	AY56027S02
AY56027		0.8265 03/01/12 16:30	7.6378 03/01/12 16:31	6.9427 03/02/12 10:18	6.9432 03/02/12 10:19	10.198	AY56027S02

Date/Time InOven@104°C	Date/Time OutOven@104°C	Date/Time InOven@104°C	Date/Time OutOven@104°C
03/01/12 4:32:00 PM			03/02/12 10:19:00 AM

Date	Initials	Balance	Weight	Reading	Lower Limit	Upper Limit	Comments / Is the Bubble Centered?
2/28/12	BB	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0001 g	0.9990	1.0010	
		Mettler AT200	20g	20.0007 g	19.9800	20.0200	
		Mettler AT200	50g	50.0015 g	49.9500	50.0500	
		Mettler AT200	100g	100.0028 g	99.9000	100.1000	
		Mettler AT200	150g	150.0043 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	1000.00 g	980.00	1020.00	
		OHAUS ARC120	2kg	1999.97 g	1960.00	2040.00	
2-29-12	CK	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0007 g	19.9800	20.0200	
		Mettler AT200	50g	50.0014 g	49.9500	50.0500	
		Mettler AT200	100g	100.0027 g	99.9000	100.1000	
		Mettler AT200	150g	150.0040 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	1000.00 g	980.00	1020.00	
		OHAUS ARC120	2kg	2000.00 g	1960.00	2040.00	
3-1-12	CK	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0006 g	19.9800	20.0200	
		Mettler AT200	50g	50.0014 g	49.9500	50.0500	
		Mettler AT200	100g	100.0027 g	99.9000	100.1000	
		Mettler AT200	150g	150.0041 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	999.98 g	980.00	1020.00	
		OHAUS ARC120	2kg	1999.96 g	1960.00	2040.00	
3-2-12	CK	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0006 g	19.9800	20.0200	
		Mettler AT200	50g	50.0013 g	49.9500	50.0500	
		Mettler AT200	100g	100.0025 g	99.9000	100.1000	
		Mettler AT200	150g	150.0038 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	999.96 g	980.00	1020.00	
		OHAUS ARC120	2kg	1999.97 g	1960.00	2040.00	

DATA VERIFICATION SUMMARY REPORT

for B4 samples collected from

CAMP STANLEY STORAGE ACTIVITY

BOERNE, TEXAS

Data Verification by: Tammy Chang
Parsons - Austin

INTRODUCTION

The following data verification summary report covers five soil samples collected from B4 at Camp Stanley Storage Activity (CSSA) on March 8, 2012. The samples were assigned to the following Sample Delivery Group (SDG):

67172

The samples in this SDG were analyzed for metals.

All samples were collected by Parsons and analyzed by APPL, Inc. following the procedures outlined in the Statement of Work and CSSA QAPP, Version 1.0. The samples in this SDG were shipped to the laboratory in one cooler. The cooler was received by the laboratory at a temperature of 1.5ºC, which was below the 2-6ºC range recommended by the CSSA QAPP. There were no indications of freeze when lab received the sample shipment.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, Version 1.0. Information reviewed in the data package included sample results; laboratory quality control samples; calibrations; case narratives; raw data; chain-of-custody (COC) forms and the sample receipt checklist. The findings presented in this report are based on the reviewed information, and whether the guidelines in the CSSA QAPP, Version 1.0, were met.

ICP-AES Metals

General

The ICP-AES metal portion of this SDG consisted of five (5) soil samples for the analysis of arsenic, barium, cadmium, chromium, copper, nickel, lead, and zinc.

The metal analyses were performed using USEPA SW846 Method 6010B. The samples were analyzed following the procedures outlined in the Work Plan. All samples were prepared and analyzed within the holding time required by the method and the Work Plan.

These samples were digested in batch #164848. All analyses were performed undiluted.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the laboratory control sample (LCS).

The LCS recoveries for all target metals were within acceptance criteria.

Precision

Precision could not be evaluated due to the lack of duplicate analyses.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the Work Plan;
- Comparing actual analytical procedures to those described in the Work Plan;
- Evaluating preservation and holding times; and
- Examining laboratory blanks for cross contamination of samples during sample analysis.

All samples were analyzed following the COC and the analytical procedures described in the Work Plan. All samples were prepared and analyzed within the holding times required by the method.

- All instrument initial calibration criteria were met.
- Low-level check standard met the criteria.
- All second source criteria were met. The initial calibration verification (ICV) sample was prepared using a secondary source.
- All continuing calibration verification (CCV) criteria were met.
- All interference check (ICSA/ICSAB) criteria were met.
- The dilution test (DT) was performed on sample B4-US01. This test was applicable to metals listed below:

Metal	%D	Criteria
Arsenic	8.8	%D ≤ 10
Barium	**42**	
Chromium	**43**	
Copper	**19**	
Nickel	**42**	
Lead	**42**	

- The post digestion spike (PDS) was performed on the same sample as the DT. It was applicable for barium, cadmium, nickel, and zinc:

Metal	%R	Criteria

Barium	82	75 – 125%
Cadmium	75	
Chromium	98	
Copper	94	
Nickel	92	
Lead	90	
Zinc	87	

There were one method blank and several calibration blanks associated with the metal analyses in this SDG. All blanks were compliant.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All ICP-AES metal results for the samples in this SDG were considered usable. Therefore, the completeness for the lead portion of this SDG is 100%, which meets the minimum acceptance criteria of 95%.

MERURY

General

The mercury portion of this SDG consisted of five (5) soil samples. These samples were collected on March 8, 2012 and was prepared and analyzed for total mercury using USEPA Method SW7471B.

These samples were analyzed following the procedures outlined in the CSSA QAPP, prepared and analyzed within the holding time required by the method.

These samples were digested in batch #164750 and analyzed undiluted.

Accuracy

Accuracy was evaluated using the percent recovery obtain from the LCS.

The LCS recovery was within acceptance criteria.

Precision

Precision could not be evaluated due to the lack of duplicate analysis.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and

- Examining laboratory blanks for cross contamination of samples during sample analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All second source verification criteria were met. The ICV was prepared using a secondary source.
- All calibration verification criteria were met.
- DT was performed with sample B4-US01. The %difference (%D) was 4.3% which was less than the criteria of 10%.

There were one method blank and several calibration blanks associated with the mercury analyses in this SDG. All blanks were free of mercury at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

The mercury results for the samples in this SDG were considered usable. The completeness for the mercury portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

Laboratory Report

Parsons

CSSA

Project #: 748372.06000

ARF: 67172

Samples collected: March 8, 2012

APPL, Inc.

Data Validatable Package

for

Project: 748372.06000 CSSA

ARF 67172

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CASE NARRATIVE

908 North Temperance Ave. ∇ Clovis, CA 93611 ∇ Phone 559-275-2175 ∇ Fax 559-275-4422

Case Narrative

ARF: 67172

Project: 748372.06000 CSSA

California State Certification Number: CA1312 (DW & WW)

NELAP Certification number: 05233CA (HW)

Texas Certificate Number: T104704242-10-3

Results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sample Receipt Information:

The soil samples were received March 9, 2012, at 1.5°C. The samples were assigned Analytical Request Form (ARF) number 67172. The sample numbers and requested analyses were compared to the chain of custody. No exception was noted.

Sample Table

CLIENT ID	APPL ID	Matrix	Date Sampled	Date Received
B4-US06	AY56657	SOIL	03/08/12	03/09/12
B4-US05	AY56658	SOIL	03/08/12	03/09/12
B4-US03	AY56659	SOIL	03/08/12	03/09/12
B4-US08	AY56660	SOIL	03/08/12	03/09/12
B4-US01	AY56661	SOIL	03/08/12	03/09/12

Percent moisture was determined using CLP 4.0.

EPA Method 6010B

Metals

Digestion Information:

The soil samples were digested according to EPA method 3050B. No exception was encountered. All holding times were met.

Analysis Information:

Samples:

The samples were analyzed according to EPA method 6010B using a Perkin Elmer Optima 5300DV ICP.

Calibrations:

Calibrations were performed according to the method for the initial calibration and the initial calibration verification. The initial calibration verification is prepared from a second source standard. All calibration acceptance criteria were met.

Blanks:

No target metal was detected above the reporting limit (RL) in the method blank.

Spikes:

Laboratory Control Spike (LCS), post-digestion spike (PDS) and dilution test (DT) were used for quality assurance. All LCS acceptance criteria were met.

Sample B4-US01 was selected by the laboratory as the QC sample for the analytical batch. The dilution test was applicable to arsenic, barium, chromium, copper, nickel and lead; barium, chromium, copper, nickel and lead exceeded the 10% deviation limit. The PDS was applicable to barium, cadmium, chromium, copper, nickel, lead and zinc. The PDS met acceptance criteria.

Summary:

No other analytical exception is noted.

EPA Method 7471B
Mercury

Digestion Information:

The soil samples were digested according to EPA method 7471B. No exceptions were encountered. All holding times were met.

Analysis Information:

Samples:

The soil samples were analyzed by EPA method 7471B using a Perkin Elmer AAnalyst 300.

Calibrations:

Calibrations were performed according to the method for the initial calibration and the initial calibration verification. The initial calibration verification is prepared from a second source standard. All calibration acceptance criteria were met.

Blanks:

No target metal was detected above the reporting limit (RL) in the method blank.

Spikes:

A Laboratory Control Spike (LCS) was used for quality assurance. All LCS acceptance criteria were met.

No sample was designated by the client for MS/MSD analysis. Mercury was detected at greater than 25 times the MDL (0.01mg/kg) in sample B4-US01. Therefore, a dilution test was performed. All acceptance criteria were met in the dilution test.

Summary:

No analytical exception is noted.

CERTIFICATION

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC. Release of the hard copy has been authorized by the Laboratory Manager or her designee, as verified by the following signature.

3-20-12

Sharon Dehmlow, Laboratory Director / Date

CHAIN OF CUSTODY
AND ARF

APPL - Analysis Request Form 67172

Client: **Parsons**
Address: **8000 Centre Park Drive Ste 200**
Austin, TX 78754
Attn: **Tammy Chang**
Phone: **512-719-6092** Fax: **512-719-6099**
Job: **748372.06000 CSSA**
PO #: **748336.30000-00 (prime *G012)**
Chain of Custody (Y/N): **Y** # **030812APPFA**
RAD Screen (Y/N): **Y** pH (Y/N): **N**
Turn Around Type: **3 DAYS**

Received by: **TBV**
Date Received: **03/09/12** Time: **09:30**
Delivered by: **FED EX**
Shuttle Custody Seals (Y/N): **Y** Time Zone: **CST**
Chest Temp(s): **1.5°C**
Color: **B-RED**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Diane Anderson** *mp*
QC Report Type: **DVP4/AFCEE/ERPIMS/TX**
Due Date: **03/12/12**

Comments:
3-day TAT for prelims (due 03-14-12); final report due 03-21-12
pdf ARF to Tammy & Pam; send HC: 2 DVP3 with colored dividers & send DVP4 on CD to Tammy.

Definitive data needs DVP 4; needs AFCEE forms and package, Internal COC
Case Narrative. CSSA + AFCEE 3.1 QAPP. Only report MS/MSD when requested.
EDD: ERPIMS 4 Lab PC4 checked TXF to Pam.Ford@parsons.com

3-2 Sent ARF

Sample Distribution: 3.20
Metals: 5-$HGAFBS, 5-$MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn)
Wetlab: 5-MOIST 3.19
Other: 5-_M3050GROSS, 5-_M7471GROSS

Charges:

Invoice To:
BOA 748336.30000 TO# 2
8000 Centre Park Drive Ste 200
Austin, TX 78754-5140
Attn: Ellen Felte

	Client ID	APPL ID	Sampled	Analyses Requested
1.	B4-US06	AY56657S	03/08/12 08:16	$HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
2.	B4-US05	AY56658S	03/08/12 08:18	$HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
3.	B4-US03	AY56659S	03/08/12 08:22	$HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
4.	B4-US08	AY56660S	03/08/12 08:27	$HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST

5.	B4-US01	AY56661S	03/08/12	08:30	$HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST

APPL Sample Receipt Form

ARF# 67172

Sample	Container Type	Count	pH
AY56657	2l 8oz Jar	1	NA
AY56658	2l 8oz Jar	1	NA
AY56659	2l 8oz Jar	1	NA
AY56660	2l 8oz Jar	1	NA
AY56661	2l 8oz Jar	1	NA

Sample	Container Type	Count	pH

Camp Stanley Storage Activity Chain Of Custody

67172
LS

COC ID:	030812APPFA	Relinquish_Date:	3/8/2012	Cooler ID:	A
Project Location:	CSSA	Relinquished_By:	KKC	LabCode:	APPF
Job Number:	748372.06000	Relinquish_Time:	1:00 PM	Carrier:	FedEx
Creation Date:	3/8/2012	Collection Team:	KKC, WBM	Airbill Carrier:	876436443447
Task Manager	Laura Marbury	Sample Data Type	Definitive	TAT:	3 Day TAT

Sampler(s): KC Kyle Cashway WB MARTIN

LOCID: **B4-US06** LOGDATE: 3/8/2012 MATRIX: SO TBLOT:
SBD: 3 LOGTIME: 8:16 SACODE: N SMCODE: G ABLOT:
SED: 3.5 FLDSAMPID B4-US06_030812_N0816 EBLOT: Containers: 1
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY		

LOCID: **B4-US05** LOGDATE: 3/8/2012 MATRIX: SO TBLOT:
SBD: 3 LOGTIME: 8:18 SACODE: N SMCODE: G ABLOT:
SED: 3.5 FLDSAMPID B4-US05_030812_N0818 EBLOT: Containers: 1
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY		

LOCID: **B4-US03** LOGDATE: 3/8/2012 MATRIX: SO TBLOT:
SBD: 3 LOGTIME: 8:22 SACODE: N SMCODE: G ABLOT:
SED: 3.5 FLDSAMPID B4-US03_030812_N0822 EBLOT: Containers: 1
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY		

LOCID: **B4-US08** LOGDATE: 3/8/2012 MATRIX: SO TBLOT:
SBD: 3 LOGTIME: 8:27 SACODE: N SMCODE: G ABLOT:
SED: 3.5 FLDSAMPID B4-US08_030812_N0827 EBLOT: Containers: 1
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY		

LOCID: **B4-US01** LOGDATE: 3/8/2012 MATRIX: SO TBLOT:
SBD: 3 LOGTIME: 8:30 SACODE: N SMCODE: G ABLOT:
SED: 3.5 FLDSAMPID B4-US01_030812_N0830 EBLOT: Containers: 1
Remarks:

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY		

12

Relinquished by: KC Cashway Date 3-8-12 Time 1700
Recieved by: _____ Date 3/9/12 Time 0930

Relinquished by: _____ Date _____ Time _____
Recieved by: _____ Date _____ Time _____

Relinquished by: _____ Date _____ Time _____
Recieved by: _____ Date _____ Time _____

COOLER RECEIPT FORM

1) Project: 748372.06000 CSSA Date Received: 3/9/12

2) Coolers: Number of Coolers: 1

3) YES NO Were coolers and samples screened for radioactivity?

4) YES NO Were custody seals on outside of cooler? How many? 2 Date on seal? 3/8/12

5) Name on seal? Set label

6) YES NO NA Were custody seals unbroken and intact at the time of arrival?

7) YES NO Did the cooler come with a shipping slip (air bill, etc.)? Carrier name: Fed Ex

8) Shipping slip numbers: 1) 8764 3644 3447 2) 3)

9) YES NO NA Was the shipping slip scanned into the database?

10) YES NO NA If cooler belongs to APPL, has it been logged into the ice chest database?

11) Describe type of packing in cooler (bubble wrap, popcorn, type of ice, etc.): bubble bag in Ziploc in wet ice

12) YES NO NA For hand delivered samples was sufficient ice present to start the cooling process?

13) YES NO Was a temperature blank included in the cooler?

14) Serial number of certified NIST thermometer used: 139267 Correction factor: 0

15) Cooler temp(s): 1) 1.5 (2) 3) 4) 5) 6) 7) 8)

Chain of custody:

16) YES NO Was a chain of custody received?

17) YES NO Were the custody papers signed in the appropriate places?

18) YES NO Was the project identifiable from custody papers?

19) YES NO Did the chain of custody include date and time of sampling?

20) YES NO Is location where sample was taken listed on the chain of custody?

Sample Labels:

21) YES NO Were container labels in good condition?

22) YES NO Was the client ID on the label?

23) YES NO Was the date of sampling on the label?

24) YES NO Was the time of sampling on the label?

25) YES NO Did all container labels agree with custody papers?

Sample Containers:

26) YES NO Were all containers sealed in separate bags?

27) YES NO Did all containers arrive unbroken?

28) YES NO Was there any leakage from samples?

29) YES NO Were any of the lids cracked or broken?

30) YES NO Were correct containers used for the tests indicated?

31) YES NO Was a sufficient amount of sample sent for tests indicated?

32) YES NO NA Were bubbles present in volatile samples? If yes, the following were received with air bubbles:

Larger than a pea:

Smaller than a pea:

Preservation & Hold time:

33) YES NO NA Was a sufficient amount of holding time remaining to analyze the samples?

34) YES NO NA Do the sample containers contain the same preservative as what is stated on the COC?

35) YES NO NA Was the pH taken of all non-VOA preserved samples and written on the sample container?

36) YES NO NA Was the pH of acid preserved non-VOA samples < 2 & sodium hydroxide preserved samples > 12?

37) YES NO NA Unpreserved VOA Vials received?

38) YES NO NA Are unpreserved VOA vials noted in the ADD TEST FIELD on the ARF?

Lab notified if pH was not adequate:

Deficiencies:

Signature of personnel receiving samples: Yang Zu Second reviewer:

Signature of project manager notified: Date and Time of notification:

Name of client notified: Date and Time of notification:

Information given to client:

by whom (initials):

CUSTODY SEAL

APPL, Inc. (559) 275-2175

Initials SE

Date 3/8/12

METALS
EPA SW846 - 6010B

APPL, INC.

METALS
EPA SW846 - 6010B
Forms

APPL, INC.

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 6010B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120312A-164848
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-US06	AY56657
B4-US05	AY56658
B4-US03	AY56659
B4-US08	AY56660
B4-US01	AY56661

Comments: ARF: 67172

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

Signature: _____ Name: Diane Anderson

Date: 3-20-12 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120312A-164848
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-US06 Lab Sample ID: AY56657 Matrix: Soil
% Solids: 89.0 Initial Calibration ID: 120313A
Date Received: 09-Mar-12 Date Prepared: 12-Mar-12 Date Analyzed: 13-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	3.5	1	F
BARIUM (BA)	0.1	1.0	25.4	1	
CADMIUM (CD)	0.03	0.50	0.03	1	U
CHROMIUM (CR)	0.1	20.0	7.8	1	F
COPPER (CU)	0.19	2.0	5.78	1	
LEAD (PB)	0.18	10.0	3.00	1	F
NICKEL (NI)	0.12	2.0	2.56	1	
ZINC (ZN)	0.6	5.0	0.7	1	F

Comments: ARF: 67172

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120312A-164848
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-US05 Lab Sample ID: AY56658 Matrix: Soil
% Solids: 89.8 Initial Calibration ID: 120313A
Date Received: 09-Mar-12 Date Prepared: 12-Mar-12 Date Analyzed: 13-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	4.9	1	F
BARIUM (BA)	0.1	1.0	33.5	1	
CADMIUM (CD)	0.03	0.50	0.03	1	U
CHROMIUM (CR)	0.1	20.0	12.0	1	F
COPPER (CU)	0.19	2.0	5.99	1	
LEAD (PB)	0.18	10.0	4.91	1	F
NICKEL (NI)	0.12	2.0	5.21	1	
ZINC (ZN)	0.6	5.0	6.2	1	

Comments: ARF: 67172

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120312A-164848
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-US03 Lab Sample ID: AY56659 Matrix: Soil
% Solids: 88.6 Initial Calibration ID: 120313A
Date Received: 09-Mar-12 Date Prepared: 12-Mar-12 Date Analyzed: 13-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	11.8	1	F
BARIUM (BA)	0.1	1.0	145.1	1	
CADMIUM (CD)	0.03	0.50	0.03	1	U
CHROMIUM (CR)	0.1	20.0	34.1	1	
COPPER (CU)	0.19	2.0	10.80	1	
LEAD (PB)	0.18	10.0	15.10	1	
NICKEL (NI)	0.12	2.0	17.36	1	
ZINC (ZN)	0.6	5.0	32.3	1	

Comments: ARF: 67172

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120312A-164848
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-US08 Lab Sample ID: AY56660 Matrix: Soil
% Solids: 88.1 Initial Calibration ID: 120313A
Date Received: 09-Mar-12 Date Prepared: 12-Mar-12 Date Analyzed: 13-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	7.4	1	F
BARIUM (BA)	0.1	1.0	62.8	1	
CADMIUM (CD)	0.03	0.50	0.03	1	U
CHROMIUM (CR)	0.1	20.0	19.8	1	F
COPPER (CU)	0.19	2.0	8.28	1	
LEAD (PB)	0.18	10.0	8.97	1	F
NICKEL (NI)	0.12	2.0	9.58	1	
ZINC (ZN)	0.6	5.0	19.4	1	

Comments: ARF: 67172

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120312A-164848
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-US01 Lab Sample ID: AY56661 Matrix: Soil
% Solids: 91.5 Initial Calibration ID: 120313A
Date Received: 09-Mar-12 Date Prepared: 12-Mar-12 Date Analyzed: 13-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	6.7	1	F
BARIUM (BA)	0.1	1.0	61.6	1	
CADMIUM (CD)	0.03	0.50	0.03	1	U
CHROMIUM (CR)	0.1	20.0	18.0	1	F
COPPER (CU)	0.19	2.0	8.92	1	
LEAD (PB)	0.18	10.0	7.60	1	F
NICKEL (NI)	0.12	2.0	9.84	1	
ZINC (ZN)	0.6	5.0	23.3	1	

Comments: ARF: 67172

AFCEE
INORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method: EPA 6010B

AAB #: 120312A-164848

Lab Name: APPL, Inc.

Contract #: *G012

Date of Initial Calibration: 13-Mar-12

Initial Calibration ID: 120313A

Instrument ID: PHOEBE

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte		Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	r	Q
As		0.3500	23.9	100.0	6871.4	200.0	13556.9	0.99999	
Ba		0.5000	1579.1	100.0	265799.2	200.0	515170.0	0.99992	
Cd		0.5000	3737.7	100.0	643982.5	200.0	1240809.3	0.99989	
Cr		0.5000	775.3	100.0	123706.1	200.0	241484.0	0.99995	
Cu		0.5000	1064.2	100.0	158812.0	200.0	312998.2	0.99998	
Ni		0.5000	601.6	100.0	93371.4	200.0	180609.5	0.99991	
Pb		0.3000	60.9	100.0	25160.9	200.0	48056.9	0.99983	
Zn		2.0000	5130.9	100.0	203865.3	200.0	389653.9	0.99983	

Comments:

AFCEE FORM I-3

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B — AAB #: 120312A-164848

Lab Name: AFPL, Inc. — Contract #: *G012

Instrument ID: PHOEBE — Initial Calibration ID: 120313A

2nd Source ID: ICV 3/13/12 11:16 — ICV ID: ICV 3/13/12 11:16

CCV #1 ID: CCV1 3/13/12 11:36 — CCV #2 ID: CCV1 3/13/12 16:27

Concentration Units (mg/L or mg/kg) mg/Kg

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
As		100.0	98.5	1.5%	100.0	98.5	1.5%	100.0	104.9	4.9%	100.0	105.4	5.4%	
Ba		100.0	100.4	0.4%	100.0	100.4	0.4%	100.0	104.2	4.2%	100.0	104.9	4.9%	
Cd		100.0	105.2	5.2%	100.0	105.2	5.2%	100.0	105.2	5.2%	100.0	107.7	7.7%	
Cr		100.0	107.0	7.0%	100.0	107.0	7.0%	100.0	104.5	4.5%	100.0	104.8	4.8%	
Cu		100.0	101.2	1.2%	100.0	101.2	1.2%	100.0	102.9	2.9%	100.0	101.8	1.8%	
Ni		100.0	106.2	6.2%	100.0	106.2	6.2%	100.0	104.3	4.3%	100.0	105.1	5.1%	
Pb		100.0	105.5	5.5%	100.0	105.5	5.5%	100.0	105.4	5.4%	100.0	108.6	8.6%	
Zn		100.0	106.1	6.1%	100.0	106.1	6.1%	100.0	105.5	5.5%	100.0	108.8	8.8%	

Comments:

AFCEE FORM I-4 Page 1 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B — AAB #: 120312A-164848

Lab Name: APPL, Inc. — Contract #: *G012

Instrument ID: PHOEBE — Initial Calibration ID: 120313A

2nd Source ID: ICV 3/13/12 11:16 — ICV ID: ICV 3/13/12 11:16

CCV #1 ID: CCV2 3/13/12 17:02 — CCV #2 ID:

Concentration Units (mg/L or mg/kg) mg/kg

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
As		100.0	98.5	1.5%	100.0	98.5	1.5%	75.0	74.9	0.2%				
Ba		100.0	100.4	0.4%	100.0	100.4	0.4%	75.0	74.8	0.3%				
Cd		100.0	105.2	5.2%	100.0	105.2	5.2%	75.0	76.6	2.1%				
Cr		100.0	107.0	7.0%	100.0	107.0	7.0%	75.0	74.8	0.3%				
Cu		100.0	101.2	1.2%	100.0	101.2	1.2%	75.0	72.0	4.1%				
Ni		100.0	106.2	6.2%	100.0	106.2	6.2%	75.0	74.8	0.3%				
Pb		100.0	105.5	5.5%	100.0	105.5	5.5%	75.0	77.6	3.5%				
Zn		100.0	106.1	6.1%	100.0	106.1	6.1%	75.0	77.6	3.5%				

Comments:

AFCEE FORM I-4 Page 2 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANK

Analytical Method: EPA 6010B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: 120313A

AAB #: 120312A-164848
Contract #: *G012
Method Blank ID: 120312A-BLK

3050G SA 3-19-12

Analyte	Method Blank	RL	Q
ARSENIC (AS)	< RL	40.0	U
BARIUM (BA)	< RL	1.0	U
CADMIUM (CD)	< RL	0.50	U
CHROMIUM (CR)	< RL	20.0	U
COPPER (CU)	< RL	2.0	U
LEAD (PB)	< RL	10.0	U
NICKEL (NI)	< RL	2.0	U
ZINC (ZN)	< RL	5.0	U

Comments: ARF: 67172, Sample: AY56657

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 6010B AAB #: 120312A-164848

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg) mg/Kg

Initial Calibration Blank ID: ICB 3/13/12 11:21 Initial Calibration ID: 120313A

CCB #1 ID: CCB 3/13/12 11:42 CCB #2 ID: CCB 3/13/12 16:32 CCB #3 ID: CCB 3/13/12 17:07

Method Blank ID: 120312A-3050G-BLK Initial Calibration ID: 120313A

Analyte		Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
			1	2	3			
As		<RL	<RL	<RL	<RL	<RL	40.0	
Ba		<RL	<RL	<RL	<RL	<RL	1.00	
Cd		<RL	<RL	<RL	<RL	<RL	0.5	
Cr		<RL	<RL	<RL	<RL	<RL	20.0	
Cu		<RL	<RL	<RL	<RL	<RL	2.0	
Ni		<RL	<RL	<RL	<RL	<RL	2.0	
Pb		<RL	<RL	<RL	<RL	<RL	10.0	
Zn		<RL	<RL	<RL	<RL	<RL	5.0	

Comments:

AFCEE FORM I-5 Page 1 of 1

AFCEE
INORGANIC ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 6010B
AAB #: 120312A-164848
Lab Name: APPL, Inc
Contract #: *G012
LCS ID: 120312A_LCS
Initial Calibration ID: 120313A
3050 G EA 8-17-13
Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
ARSENIC (AS)	25.0	27.5	110	75-125	
BARIUM (BA)	25.0	26.5	106	75-125	
CADMIUM (CD)	5.00	5.39	108	75-125	
CHROMIUM (CR)	25.0	28.4	114	75-125	
COPPER (CU)	25.00	26.36	105	75-125	
LEAD (PB)	25.00	28.38	114	75-125	
NICKEL (NI)	25.00	28.12	112	75-125	
ZINC (ZN)	50.0	55.5	111	75-125	

Comments: ARF: 67172, Sample: AY56657

AFCEE
INORGANIC ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: EPA 6010B AAB#: 120312A-164848

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
B4-US01	08-Mar-12	09-Mar-12	13-Mar-12	180	5	
B4-US03	08-Mar-12	09-Mar-12	13-Mar-12	180	5	
B4-US05	08-Mar-12	09-Mar-12	13-Mar-12	180	5	
B4-US06	08-Mar-12	09-Mar-12	13-Mar-12	180	5	
B4-US08	08-Mar-12	09-Mar-12	13-Mar-12	180	5	

Comments: ARF: 67172

APCEE
INORGANIC ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 6010B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: PHOEBE ICAL ID: 120313A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
CalBlk	13-Mar-12	11:00	13-Mar-12	11:00
STD 1	13-Mar-12	11:04	13-Mar-12	11:04
STD 2	13-Mar-12	11:08	13-Mar-12	11:08
STD 3	13-Mar-12	11:12	13-Mar-12	11:12
ICV	13-Mar-12	11:16	13-Mar-12	11:16
ICB	13-Mar-12	11:21	13-Mar-12	11:21
ICSA	13-Mar-12	11:27	13-Mar-12	11:27
ICSAB	13-Mar-12	11:30	13-Mar-12	11:30
CCV1	13-Mar-12	11:36	13-Mar-12	11:36
CCB	13-Mar-12	11:42	13-Mar-12	11:42
CCV1	13-Mar-12	16:27	13-Mar-12	16:27
CCB	13-Mar-12	16:32	13-Mar-12	16:32
120312A-3050G-BLK	13-Mar-12	16:35	13-Mar-12	16:35
120312A-3050G-LCS	13-Mar-12	16:39	13-Mar-12	16:39
AY56657S01	13-Mar-12	16:42	13-Mar-12	16:42
AY56658S01	13-Mar-12	16:45	13-Mar-12	16:45
AY56659S01	13-Mar-12	16:48	13-Mar-12	16:48
AY56660S01	13-Mar-12	16:51	13-Mar-12	16:51
AY56661S01	13-Mar-12	16:54	13-Mar-12	16:54
AY56661S01-A	13-Mar-12	16:56	13-Mar-12	16:56
AY56661S01-1/5	13-Mar-12	16:59	13-Mar-12	16:59
CCV2	13-Mar-12	17:02	13-Mar-12	17:02
CCB	13-Mar-12	17:07	13-Mar-12	17:07

6010 Injection Log

Directory: K:\ICAP PHOEBE\Backup Excel\

RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
1	13 Mar 2012	11:00	CalBlk 120313EA I:PB O:EA		120313A6010	1.
2	13 Mar 2012	11:04	STD 1 120313EA I:PB O:EA		120313A6010	1.
3	13 Mar 2012	11:08	STD 2 120313EA I:PB O:EA		120313A6010	1.
4	13 Mar 2012	11:12	STD 3 120313EA I:PB O:EA		120313A6010	1.
5	13 Mar 2012	11:16	ICV 120313EA I:PB O:EA		120313A6010	1.
6	13 Mar 2012	11:21	ICB 120313EA I:PB O:EA		120313A6010	1.
8	13 Mar 2012	11:27	ICSA 120313EA I:PB O:EA		120313A6010	1.
9	13 Mar 2012	11:30	ICSAB 120313EA I:PB O:EA		120313A6010	1.
10	13 Mar 2012	11:36	CCV1 120313EA I:PB O:EA		120313A6010	1.
11	13 Mar 2012	11:42	CCB 120313EA I:PB O:EA		120313A6010	1.
76	13 Mar 2012	16:27	CCV1 120313EA I:PB O:EA		120313A6010	1.
77	13 Mar 2012	16:32	CCB 120313EA I:PB O:EA		120313A6010	1.
78	13 Mar 2012	16:35	120312A-3050G-BLK		120313A6010	1.
79	13 Mar 2012	16:39	120312A-3050G-LCS		120313A6010	1.
80	13 Mar 2012	16:42	AY56657S01		120313A6010	1.
81	13 Mar 2012	16:45	AY56658S01		120313A6010	1.
82	13 Mar 2012	16:48	AY56659S01		120313A6010	1.
83	13 Mar 2012	16:51	AY56660S01		120313A6010	1.
84	13 Mar 2012	16:54	AY56661S01		120313A6010	1.
85	13 Mar 2012	16:56	AY56661S01-A		120313A6010	1.
86	13 Mar 2012	16:59	AY56661S01-1/5		120313A6010	5.
87	13 Mar 2012	17:02	CCV2 120313EA I:PB O:EA		120313A6010	1.
88	13 Mar 2012	17:07	CCB 120313EA I:PB O:EA		120313A6010	1.

A.P.P.L. INC.

5B

POST DIGEST SPIKE SAMPLE RECOVERY

CLIENT SAMPLE NO.

B4-US01

Lab Name: A.P.P.L. INC. Contract: Parsons

ARF No.: 67172 SDG: 67172

Analysis Date: 03/13/12 Concentration Units: mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Barium (Ba)	75-125	93.81		56.32		45.872	81.7		
Cadmium (Cd)	75-125	6.907		ND		9.174	75.3		
Chromium (Cr)	75-125	61.58		16.49		45.872	98.3		
Copper (Cu)	75-125	51.23		8.166		45.872	93.9		
Nickel (Ni)	75-125	51.05		9.007		45.872	91.7		
Lead (Pb)	75-125	48.15		6.954		45.872	89.8		
Zinc (Zn)	75-125	101		21.32		91.743	86.8		

Comments:

03/13/12 16:54 AY56661S01

03/13/12 16:56 AY56661S01-A

A.P.P.L. INC.

9

ICP SERIAL DILUTION

CLIENT SAMPLE NO.

B4-US01

Lab Name: A.P.P.L. INC. Contract: Parsons

ARF No.: 67172 SDG: 67172

Matrix: soil

Analysis Date: 03/13/12 Concentration Units: mg/kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	%D	Q	M
Arsenic (As)	6.157		5.616		8.79		
Barium (Ba)	56.32		80.03		42.1		M
Chromium (Cr)	16.49		23.51		42.6		M
Copper (Cu)	8.166		9.753		19.4		M
Nickel (Ni)	9.007		12.76		41.7		M
Lead (Pb)	6.954		9.85		41.6		M

Comments:

03/13/12 16:54 AY56661S01

03/13/12 16:59 AY56661S01-1/5

A.P.P.L. INC.
4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: A.P.P.L. INC. Contract: *G012
ARF #: 67172 SDG: 67172
ICP ID No PHOEBE ICS Source: Environmental Express

Analysis Date 03/13/12 Concentration Units: mg/L

ANALYTE	TRUE			Initial Found		
	SOL A	SOL AB	SOL A 11:27	Recovery	SOL AB 11:30	%R(1)
Aluminum	200	200	203.0	101.5	200.1	100.1
Arsenic		0.5	ND	<RL	0.4764	95.3
Barium		0.5	0.000079	<RL	0.4834	96.7
Calcium	200	200	201.3	100.7	199.3	99.7
Cadmium		1	ND	<RL	0.9786	97.9
Chromium		0.5	ND	<RL	0.5232	104.6
Copper		0.5	0.00001	<RL	0.5133	102.7
Iron	200	200	187.9	94.0	189.2	94.6
Magnesium	200	200	185.0	92.5	183.5	91.8
Nickel		1	ND	<RL	0.9874	98.7
Lead		1	0.000297	<RL	0.98	98.0
Zinc		1	ND	<RL	0.97	97.0

(1) Control Limits: Metals 80-120

METALS
EPA SW846 - 6010B
Calibration Data

APPL, INC.

Reprocessing Begun
Logged In Analyst: chemist_metals Technique: ICP Continuous

Results Data Set (original): 120313A6010X
Results Library (original): C:\PE\chemist\RESULTS\Results.mdb
Results Data Set (reprocessed):
Results Library (reprocessed):

Sequence No.: 1
Sample ID: CalBlk 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/13/12 11:00:31 AM
Data Type: Reprocessed on 03/14/12 2:44:24 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CalBlk 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Ag 338.289	271.1	32.84	12.11%	[0.00]	ug/L
Al 308.215	333.1	36.74	11.03%	[0.00]	ug/L
As 188.979	6.5	8.70	134.19%	[0.00]	ug/L
B	102.4	35.32	34.49%	[0.00]	ug/L
Ba 233.527	389.5	29.90	7.68%	[0.00]	ug/L
Be 313.107	-11264.7	47.19	0.42%	[0.00]	ug/L
Ca 315.887	6549.5	38.49	0.59%	[0.00]	ug/L
Cd 214.440	1105.9	18.05	1.63%	[0.00]	ug/L
Co 228.616	253.0	25.88	10.23%	[0.00]	ug/L
Cr 267.716	95.8	26.67	27.85%	[0.00]	ug/L
Cu 327.393	844.4	230.83	27.34%	[0.00]	ug/L
Fe 273.955	1180.5	39.20	3.32%	[0.00]	ug/L
K 766.490	-726.2	34.38	4.73%	[0.00]	ug/L
Mg 285.213	-192.1	109.06	56.78%	[0.00]	ug/L
Mn 257.610	-95.1	36.59	38.48%	[0.00]	ug/L
Mo 202.031	288.4	10.33	3.58%	[0.00]	ug/L
Na 589.592	-347.4	179.02	51.53%	[0.00]	ug/L
Ni 231.604	-84.3	37.99	45.08%	[0.00]	ug/L
P 213.617	90.3	7.75	8.59%	[0.00]	ug/L
Pb 220.353	-15.0	12.68	84.57%	[0.00]	ug/L
Sb 206.836	-92.6	2.02	2.18%	[0.00]	ug/L
Se 196.026	-5.0	9.58	189.80%	[0.00]	ug/L
Sr 421.552	6695.7	156.99	2.34%	[0.00]	ug/L
Ti 337.279	-897.9	31.48	3.51%	[0.00]	ug/L
Tl 190.801	-207.6	4.00	1.93%	[0.00]	ug/L
V 292.402	-300.1	97.28	32.42%	[0.00]	ug/L
Zn 206.200	-536.5	26.95	5.02%	[0.00]	ug/L

Sequence No.: 2
Sample ID: STD 1 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 03/13/12 11:04:40 AM
Data Type: Reprocessed on 03/14/12 2:44:25 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 1 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	325.2	76.64	23.57%	[1.00]	ug/L
Al 308.215	214.6	52.91	24.65%	[100.00]	ug/L
As 188.979	23.9	8.55	35.82%	[3.50]	ug/L
B	352.0	10.58	3.01%	[50.00]	ug/L
Ba 233.527	1579.1	13.49	0.85%	[5.00]	ug/L
Be 313.107	15904.9	199.71	1.26%	[2.00]	ug/L
Ca 315.887	2714.8	148.80	5.48%	[100.00]	ug/L
Cd 214.440	3737.7	36.14	0.97%	[5.00]	ug/L
Co 228.616	707.3	8.50	1.20%	[5.00]	ug/L
Cr 267.716	775.3	10.31	1.33%	[5.00]	ug/L
Cu 327.393	1064.2	159.57	14.99%	[5.00]	ug/L
Fe 273.955	2909.2	40.08	1.38%	[50.00]	ug/L
K 766.490	3729.5	106.82	2.86%	[1000.00]	ug/L
Mg 285.213	2596.4	67.13	2.59%	[50]	ug/L
Mn 257.610	432.1	55.71	12.89%	[5.00]	ug/L
Mo 202.031	287.7	19.28	6.70%	[5.00]	ug/L
Na 589.592	11733.4	289.27	2.47%	[1000.00]	ug/L
Ni 231.604	601.6	36.37	6.05%	[5.00]	ug/L
P 213.617	275.8	8.63	3.13%	[25.00]	ug/L
Pb 220.353	60.9	11.70	19.20%	[3.00]	ug/L
Sb 206.836	42.9	9.55	22.28%	[5.00]	ug/L
Se 196.026	52.2	4.20	8.05%	[5.00]	ug/L
Sr 421.552	5300.6	158.56	2.99%	[5.00]	ug/L
Ti 337.279	279.9	46.30	16.54%	[5.00]	ug/L
Tl 190.801	72.7	2.00	2.75%	[5.00]	ug/L
V 292.402	1636.8	46.12	2.82%	[5.00]	ug/L
Zn 206.200	5130.9	23.09	0.45%	[20.00]	ug/L

Sequence No.: 3
Sample ID: STD 2 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/13/12 11:08:49 AM
Data Type: Reprocessed on 03/14/12 2:44:26 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 2 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	77814.5	457.31	0.59%	[500.0]	ug/L
Al 308.215	40338.1	290.26	0.72%	[20000.00]	ug/L
As 188.979	6871.4	129.75	1.89%	[1000.00]	ug/L
B	5990.9	120.68	2.01%	[1000.00]	ug/L
Ba 233.527	265799.2	2760.37	1.04%	[1000.00]	ug/L
Be 313.107	6919218.4	65630.57	0.95%	[1000.00]	ug/L
Ca 315.887	864164.9	11883.56	1.38%	[50000]	ug/L
Cd 214.440	643982.5	7260.16	1.13%	[1000.00]	ug/L
Co 228.616	113100.8	1247.92	1.10%	[1000.00]	ug/L
Cr 267.716	123706.1	1619.47	1.31%	[1000.00]	ug/L
Cu 327.393	158812.0	1357.13	0.85%	[1000.00]	ug/L
Fe 273.955	789077.1	8473.09	1.07%	[20000]	ug/L
K 766.490	77518.2	1013.10	1.31%	[20000]	ug/L
Mg 285.213	1526219.3	18787.02	1.23%	[50000]	ug/L
Mn 257.610	70643.4	617.78	0.87%	[1000.00]	ug/L
Mo 202.031	57803.2	192.83	0.33%	[1000.00]	ug/L
Na 589.592	262081.7	3664.63	1.40%	[25000]	ug/L
Ni 231.604	93371.4	981.33	1.05%	[1000.00]	ug/L
P 213.617	54581.4	497.13	0.91%	[5000]	ug/L
Pb 220.353	25160.9	54.84	0.22%	[1000.00]	ug/L
Sb 206.836	8318.0	193.01	2.32%	[1000.00]	ug/L
Se 196.026	6692.9	81.39	1.22%	[1000.00]	ug/L
Sr 421.552	835847.5	10373.19	1.24%	[1000.00]	ug/L
Ti 337.279	66905.2	505.28	0.76%	[1000.00]	ug/L
Tl 190.801	16213.1	128.45	0.79%	[1000.00]	ug/L
V 292.402	305061.9	2777.74	0.91%	[1000.00]	ug/L
Zn 206.200	203865.3	2478.21	1.22%	[1000.00]	ug/L

Sequence No.: 4
Sample ID: STD 3 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 03/13/12 11:12:15 AM
Data Type: Reprocessed on 03/14/12 2:44:27 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 3 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	153775.7	64.18	0.04%	[1000.00]	ug/L
Al 308.215	78679.5	370.50	0.47%	[40000.00]	ug/L
As 188.979	13556.9	136.30	1.01%	[2000.00]	ug/L
B	11593.7	48.17	0.42%	[2000.00]	ug/L
Ba 233.527	515170.0	184.98	0.04%	[2000.00]	ug/L
Be 313.107	13500858.9	155250.39	1.15%	[2000.00]	ug/L
Ca 315.887	1687661.1	22887.22	1.36%	[100000.0]	ug/L
Cd 214.440	1240809.3	1578.25	0.13%	[2000.00]	ug/L
Co 228.616	218885.8	128.94	0.06%	[2000.00]	ug/L
Cr 267.716	241484.0	877.38	0.36%	[2000.00]	ug/L
Cu 327.393	312998.2	555.70	0.18%	[2000.00]	ug/L
Fe 273.955	1530564.4	1402.73	0.09%	[40000]	ug/L
K 766.490	153938.5	497.73	0.32%	[40000]	ug/L
Mg 285.213	2877538.2	31401.42	1.09%	[100000]	ug/L
Mn 257.610	137644.6	590.89	0.43%	[2000.00]	ug/L
Mo 202.031	112876.1	370.05	0.33%	[2000.00]	ug/L
Na 589.592	511671.3	5785.04	1.13%	[50000]	ug/L
Ni 231.604	180609.5	176.10	0.10%	[2000.00]	ug/L
P 213.617	109859.3	358.86	0.33%	[10000]	ug/L
Pb 220.353	48056.9	157.11	0.33%	[2000.00]	ug/L
Sb 206.836	16514.2	220.56	1.34%	[2000.00]	ug/L
Se 196.026	12871.3	133.61	1.04%	[2000.00]	ug/L
Sr 421.552	1638844.4	18423.58	1.12%	[2000.00]	ug/L
Ti 337.279	132418.3	629.90	0.48%	[2000.00]	ug/L
Tl 190.801	30935.1	224.77	0.73%	[2000.00]	ug/L
V 292.402	598290.3	728.42	0.12%	[2000.00]	ug/L
Zn 206.200	389653.9	172.71	0.04%	[2000.00]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 338.289	3	Lin Thru 0	0.0	154.1	0.00000	0.999988	
Al 308.215	3	Lin Thru 0	0.0	1.977	0.00000	0.999949	
As 188.979	3	Lin Thru 0	0.0	6.797	0.00000	0.999985	
B	3	Lin Thru 0	0.0	5.836	0.00000	0.999901	
Ba 233.527	3	Lin Thru 0	0.0	259.2	0.00000	0.999920	
Be 313.107	3	Lin Thru 0	0.0	6784	0.00000	0.999950	
Ca 315.887	3	Lin Thru 0	0.0	16.96	0.00000	0.999954	
Cd 214.440	3	Lin Thru 0	0.0	625.1	0.00000	0.999886	
Co 228.616	3	Lin Thru 0	0.0	110.2	0.00000	0.999912	
Cr 267.716	3	Lin Thru 0	0.0	121.3	0.00000	0.999952	
Cu 327.393	3	Lin Thru 0	0.0	157.0	0.00000	0.999982	
Fe 273.955	3	Lin Thru 0	0.0	38.50	0.00000	0.999923	
K 766.490	3	Lin Thru 0	0.0	3.854	0.00000	0.999996	
Mg 285.213	3	Lin Thru 0	0.0	29.13	0.00000	0.999712	
Mn 257.610	3	Lin Thru 0	0.0	69.19	0.00000	0.999944	
Mo 202.031	3	Lin Thru 0	0.0	56.71	0.00000	0.999954	
Na 589.592	3	Lin Thru 0	0.0	10.28	0.00000	0.999950	
Ni 231.604	3	Lin Thru 0	0.0	90.92	0.00000	0.999909	
P 213.617	3	Lin Thru 0	0.0	10.97	0.00000	0.999997	
Pb 220.353	3	Lin Thru 0	0.0	24.25	0.00000	0.999826	
Sb 206.836	3	Lin Thru 0	0.0	8.269	0.00000	0.999996	
Se 196.026	3	Lin Thru 0	0.0	6.487	0.00000	0.999873	
Sr 421.552	3	Lin Thru 0	0.0	822.7	0.00000	0.999968	
Ti 337.279	3	Lin Thru 0	0.0	66.35	0.00000	0.999991	
Tl 190.801	3	Lin Thru 0	0.0	15.62	0.00000	0.999818	
V 292.402	3	Lin Thru 0	0.0	300.3	0.00000	0.999969	
Zn 206.200	3	Lin Thru 0	0.0	196.6	0.00000	0.999827	

Sequence No.: 5
Sample ID: ICV 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 03/13/12 11:16:51 AM
Data Type: Reprocessed on 03/14/12 2:44:29 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	77571.9	503.2	ug/L	4.56	503.2	ug/L	4.56	0.91%
QC value within limits for Ag 338.289 Recovery = 100.65%								
Al 308.215	51876.5	26150	ug/L	101.8	26150	ug/L	101.8	0.39%
QC value within limits for Al 308.215 Recovery = 104.59%								
As 188.979	6696.7	985.2	ug/L	2.95	985.2	ug/L	2.95	0.30%
QC value within limits for As 188.979 Recovery = 98.52%								
B	5656.8	1058	ug/L	17.0	1058	ug/L	17.0	1.61%
QC value within limits for B Recovery = 105.78%								
Ba 233.527	261579.9	1004	ug/L	6.9	1004	ug/L	6.9	0.68%
QC value within limits for Ba 233.527 Recovery = 100.42%								
Be 313.107	6920425.9	1024	ug/L	8.5	1024	ug/L	8.5	0.83%
QC value within limits for Be 313.107 Recovery = 102.38%								
Ca 315.887	432463.0	25400	ug/L	379.9	25400	ug/L	379.9	1.50%
QC value within limits for Ca 315.887 Recovery = 101.59%								
Cd 214.440	657971.8	1052	ug/L	7.9	1052	ug/L	7.9	0.75%
QC value within limits for Cd 214.440 Recovery = 105.17%								
Co 228.616	117564.5	1065	ug/L	6.9	1065	ug/L	6.9	0.64%
QC value within limits for Co 228.616 Recovery = 106.53%								
Cr 267.716	129835.9	1070	ug/L	12.4	1070	ug/L	12.4	1.16%
QC value within limits for Cr 267.716 Recovery = 107.01%								
Cu 327.393	158289.6	1012	ug/L	8.3	1012	ug/L	8.3	0.82%
QC value within limits for Cu 327.393 Recovery = 101.17%								
Fe 273.955	1008683.7	26040	ug/L	197.3	26040	ug/L	197.3	0.76%
QC value within limits for Fe 273.955 Recovery = 104.16%								
K 766.490	96163.2	24920	ug/L	261.0	24920	ug/L	261.0	1.05%
QC value within limits for K 766.490 Recovery = 99.69%								
Mg 285.213	772308.2	26490	ug/L	339.1	26490	ug/L	339.1	1.28%
QC value within limits for Mg 285.213 Recovery = 105.98%								
Mn 257.610	74281.3	1072	ug/L	6.3	1072	ug/L	6.3	0.59%
QC value within limits for Mn 257.610 Recovery = 107.19%								
Mo 202.031	55745.5	984.6	ug/L	3.27	984.6	ug/L	3.27	0.33%
QC value within limits for Mo 202.031 Recovery = 98.46%								
Na 589.592	258993.1	25150	ug/L	323.4	25150	ug/L	323.4	1.29%
QC value within limits for Na 589.592 Recovery = 100.61%								
Ni 231.604	96834.0	1062	ug/L	9.2	1062	ug/L	9.2	0.87%
QC value within limits for Ni 231.604 Recovery = 106.16%								
P 213.617	53887.6	4911	ug/L	56.8	4911	ug/L	56.8	1.16%
QC value within limits for P 213.617 Recovery = 98.23%								
Pb 220.353	25593.8	1055	ug/L	7.0	1055	ug/L	7.0	0.66%
QC value within limits for Pb 220.353 Recovery = 105.52%								
Sb 206.836	8000.8	967.5	ug/L	2.80	967.5	ug/L	2.80	0.29%
QC value within limits for Sb 206.836 Recovery = 96.75%								
Se 196.026	6750.5	1041	ug/L	9.8	1041	ug/L	9.8	0.94%
QC value within limits for Se 196.026 Recovery = 104.06%								
Sr 421.552	819454.7	995.2	ug/L	12.50	995.2	ug/L	12.50	1.26%
QC value within limits for Sr 421.552 Recovery = 99.52%								
Ti 337.279	67523.0	1017	ug/L	4.6	1017	ug/L	4.6	0.46%
QC value within limits for Ti 337.279 Recovery = 101.65%								
Tl 190.801	16421.3	1071	ug/L	4.3	1071	ug/L	4.3	0.40%
QC value within limits for Tl 190.801 Recovery = 107.08%								
V 292.402	307530.6	1042	ug/L	8.1	1042	ug/L	8.1	0.77%
QC value within limits for V 292.402 Recovery = 104.18%								
Zn 206.200	207816.6	1061	ug/L	9.4	1061	ug/L	9.4	0.89%
QC value within limits for Zn 206.200 Recovery = 106.15%								

All analyte(s) passed QC.

Sequence No.: 6
Sample ID: ICB 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/13/12 11:21:22 AM
Data Type: Reprocessed on 03/14/12 2:44:30 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	-26.6	-0.172	ug/L	0.2031	-0.172	ug/L	0.2031	117.91%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	37.8	19.08	ug/L	23.339	19.08	ug/L	23.339	122.30%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-3.1	-0.457	ug/L	0.2486	-0.457	ug/L	0.2486	54.44%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-17.3	-2.962	ug/L	5.4988	-2.962	ug/L	5.4988	185.64%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-8.5	-0.033	ug/L	0.1324	-0.033	ug/L	0.1324	400.15%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	-482.1	-0.069	ug/L	0.0145	-0.069	ug/L	0.0145	20.90%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	107.7	6.327	ug/L	6.6826	6.327	ug/L	6.6826	105.62%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	21.1	0.034	ug/L	0.0863	0.034	ug/L	0.0863	256.31%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	12.8	0.116	ug/L	0.2316	0.116	ug/L	0.2316	200.16%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-22.8	-0.188	ug/L	0.4788	-0.188	ug/L	0.4788	254.56%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	237.5	1.514	ug/L	0.5421	1.514	ug/L	0.5421	35.81%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	16.9	0.417	ug/L	0.3100	0.417	ug/L	0.3100	74.28%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	50.8	13.18	ug/L	40.979	13.18	ug/L	40.979	310.99%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	-72.2	-2.490	ug/L	2.3583	-2.490	ug/L	2.3583	94.72%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	-19.5	-0.282	ug/L	0.4778	-0.282	ug/L	0.4778	169.67%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	10.3	0.181	ug/L	0.6329	0.181	ug/L	0.6329	349.84%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	151.8	14.75	ug/L	14.744	14.75	ug/L	14.744	99.93%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	26.1	0.286	ug/L	0.3061	0.286	ug/L	0.3061	106.93%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-4.1	-0.378	ug/L	0.5876	-0.378	ug/L	0.5876	155.60%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	-7.6	-0.314	ug/L	0.6874	-0.314	ug/L	0.6874	218.80%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	12.4	1.498	ug/L	1.0993	1.498	ug/L	1.0993	73.39%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	9.1	1.407	ug/L	2.4501	1.407	ug/L	2.4501	174.09%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sr 421.552	52.4	0.064	ug/L	0.0555	0.064	ug/L	0.0555	87.33%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	30.0	0.451	ug/L	1.0640	0.451	ug/L	1.0640	235.68%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	-2.4	-0.154	ug/L	0.8969	-0.154	ug/L	0.8969	582.73%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-3.3	-0.011	ug/L	0.6253	-0.011	ug/L	0.6253	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	7.6	0.037	ug/L	0.0602	0.037	ug/L	0.0602	162.96%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICSA 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 03/13/12 11:27:38 AM
Data Type: Reprocessed on 03/14/12 2:44:32 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	-117.4	-0.761	ug/L	0.0931	-0.761	ug/L	0.0931	12.23%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	402410.2	203000	ug/L	1409.3	203000	ug/L	1409.3	0.69%
QC value within limits for Al 308.215 Recovery = 101.50%								
As 188.979	-11.8	-1.742	ug/L	1.1899	-1.742	ug/L	1.1899	68.29%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-3615.5	4.767	ug/L	5.0550	4.767	ug/L	5.0550	106.03%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	10364.3	0.079	ug/L	0.9680	0.079	ug/L	0.9680	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	20172.0	-0.143	ug/L	0.0311	-0.143	ug/L	0.0311	21.74%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	3423363.5	201300	ug/L	1534.2	201300	ug/L	1534.2	0.76%
QC value within limits for Ca 315.887 Recovery = 100.66%								
Cd 214.440	7231.0	-0.002	ug/L	0.2149	-0.002	ug/L	0.2149	>999.9%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	1058.6	-0.070	ug/L	0.4051	-0.070	ug/L	0.4051	581.88%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-53.2	-0.438	ug/L	0.9247	-0.438	ug/L	0.9247	211.01%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	-1440.8	0.010	ug/L	1.4862	0.010	ug/L	1.4862	>999.9%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	7250211.8	187900	ug/L	1274.0	187900	ug/L	1274.0	0.68%
QC value within limits for Fe 273.955 Recovery = 93.94%								
K 766.490	363.8	-20.86	ug/L	70.025	-20.86	ug/L	70.025	335.75%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	5393094.9	185000	ug/L	1536.7	185000	ug/L	1536.7	0.83%
QC value within limits for Mg 285.213 Recovery = 92.52%								
Mn 257.610	633.6	-2.380	ug/L	0.3294	-2.380	ug/L	0.3294	13.84%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-500.1	-0.981	ug/L	1.3898	-0.981	ug/L	1.3898	141.74%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	1434.3	-29.73	ug/L	14.712	-29.73	ug/L	14.712	49.48%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	782.8	-0.688	ug/L	0.9907	-0.688	ug/L	0.9907	144.08%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	182.8	16.66	ug/L	2.080	16.66	ug/L	2.080	12.49%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	7.2	0.297	ug/L	1.1930	0.297	ug/L	1.1930	401.42%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-14.8	-1.792	ug/L	2.8551	-1.792	ug/L	2.8551	159.37%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	60.8	9.377	ug/L	4.2288	9.377	ug/L	4.2288	45.10%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sr 421.552	5017.0	-0.004	ug/L	0.3539	-0.004	ug/L	0.3539	>999.9%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	535.4	1.170	ug/L	0.3878	1.170	ug/L	0.3878	33.14%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	8.0	-1.457	ug/L	6.9153	-1.457	ug/L	6.9153	474.54%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	14690.0	-0.056	ug/L	0.6067	-0.056	ug/L	0.6067	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	3719.8	-2.246	ug/L	0.1838	-2.246	ug/L	0.1838	8.18%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSAB 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 03/13/12 11:30:47 AM
Data Type: Reprocessed on 03/14/12 2:44:34 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	146094.1	947.8	ug/L	8.76	947.8	ug/L	8.76	0.92%
QC value within limits for Ag 338.289 Recovery = 94.78%								
Al 308.215	396632.3	200100	ug/L	1216.5	200100	ug/L	1216.5	0.61%
QC value within limits for Al 308.215 Recovery = 100.04%								
As 188.979	3238.2	476.4	ug/L	14.74	476.4	ug/L	14.74	3.09%
QC value within limits for As 188.979 Recovery = 95.28%								
B	-3620.0	7.646	ug/L	2.6593	7.646	ug/L	2.6593	34.78%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	135633.3	483.4	ug/L	4.16	483.4	ug/L	4.16	0.86%
QC value within limits for Ba 233.527 Recovery = 96.69%								
Be 313.107	3375588.7	494.5	ug/L	3.44	494.5	ug/L	3.44	0.70%
QC value within limits for Be 313.107 Recovery = 98.90%								
Ca 315.887	3389264.4	199300	ug/L	1130.4	199300	ug/L	1130.4	0.57%
QC value within limits for Ca 315.887 Recovery = 99.65%								
Cd 214.440	618863.8	978.6	ug/L	8.40	978.6	ug/L	8.40	0.86%
QC value within limits for Cd 214.440 Recovery = 97.86%								
Co 228.616	55069.5	491.1	ug/L	0.12	491.1	ug/L	0.12	0.02%
QC value within limits for Co 228.616 Recovery = 98.22%								
Cr 267.716	63485.9	523.2	ug/L	1.03	523.2	ug/L	1.03	0.20%
QC value within limits for Cr 267.716 Recovery = 104.65%								
Cu 327.393	79103.0	513.3	ug/L	3.56	513.3	ug/L	3.56	0.69%
QC value within limits for Cu 327.393 Recovery = 102.67%								
Fe 273.955	7300900.6	189200	ug/L	1353.6	189200	ug/L	1353.6	0.72%
QC value within limits for Fe 273.955 Recovery = 94.58%								
K 766.490	247.5	-54.75	ug/L	96.286	-54.75	ug/L	96.286	175.86%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	5347468.5	183500	ug/L	1439.1	183500	ug/L	1439.1	0.78%
QC value within limits for Mg 285.213 Recovery = 91.73%								
Mn 257.610	35437.5	500.9	ug/L	2.19	500.9	ug/L	2.19	0.44%
QC value within limits for Mn 257.610 Recovery = 100.17%								
Mo 202.031	25958.4	466.0	ug/L	1.83	466.0	ug/L	1.83	0.39%
QC value within limits for Mo 202.031 Recovery = 93.20%								
Na 589.592	1462.4	-28.99	ug/L	11.096	-28.99	ug/L	11.096	38.28%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	90702.5	987.4	ug/L	2.86	987.4	ug/L	2.86	0.29%
QC value within limits for Ni 231.604 Recovery = 98.74%								
P 213.617	214.5	19.55	ug/L	2.426	19.55	ug/L	2.426	12.41%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	23770.1	980.0	ug/L	2.77	980.0	ug/L	2.77	0.28%
QC value within limits for Pb 220.353 Recovery = 98.00%								
Sb 206.836	3761.4	454.9	ug/L	4.83	454.9	ug/L	4.83	1.06%
QC value within limits for Sb 206.836 Recovery = 90.97%								
Se 196.026	3211.1	495.0	ug/L	5.22	495.0	ug/L	5.22	1.05%
QC value within limits for Se 196.026 Recovery = 99.00%								
Sr 421.552	4889.9	-0.166	ug/L	0.0850	-0.166	ug/L	0.0850	51.27%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	507.2	0.872	ug/L	1.7934	0.872	ug/L	1.7934	205.67%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	7792.1	501.7	ug/L	4.03	501.7	ug/L	4.03	0.80%
QC value within limits for Tl 190.801 Recovery = 100.33%								
V 292.402	160625.4	497.8	ug/L	3.82	497.8	ug/L	3.82	0.77%
QC value within limits for V 292.402 Recovery = 99.57%								
Zn 206.200	194148.0	970.0	ug/L	9.66	970.0	ug/L	9.66	1.00%
QC value within limits for Zn 206.200 Recovery = 97.00%								

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: CCV1 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/13/12 11:36:41 AM
Data Type: Reprocessed on 03/14/12 2:44:35 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	79150.8	513.5	ug/L	2.43	513.5	ug/L	2.43	0.47%
QC value within limits for Ag 338.289 Recovery = 102.70%								
Al 308.215	41223.5	20720	ug/L	233.7	20720	ug/L	233.7	1.13%
QC value within limits for Al 308.215 Recovery = 103.59%								
As 188.979	7129.8	1049	ug/L	3.6	1049	ug/L	3.6	0.35%
QC value within limits for As 188.979 Recovery = 104.90%								
B	6166.2	1132	ug/L	12.2	1132	ug/L	12.2	1.08%
QC value greater than the upper limit for B Recovery = 113.15%								
Ba 233.527	271092.0	1042	ug/L	2.6	1042	ug/L	2.6	0.25%
QC value within limits for Ba 233.527 Recovery = 104.18%								
Be 313.107	7106321.7	1051	ug/L	6.2	1051	ug/L	6.2	0.59%
QC value within limits for Be 313.107 Recovery = 105.12%								
Ca 315.887	871809.6	51300	ug/L	175.0	51300	ug/L	175.0	0.34%
QC value within limits for Ca 315.887 Recovery = 102.60%								
Cd 214.440	658240.2	1052	ug/L	4.9	1052	ug/L	4.9	0.46%
QC value within limits for Cd 214.440 Recovery = 105.22%								
Co 228.616	115665.8	1048	ug/L	3.3	1048	ug/L	3.3	0.31%
QC value within limits for Co 228.616 Recovery = 104.81%								
Cr 267.716	126774.6	1045	ug/L	2.3	1045	ug/L	2.3	0.22%
QC value within limits for Cr 267.716 Recovery = 104.48%								
Cu 327.393	161059.5	1029	ug/L	2.9	1029	ug/L	2.9	0.28%
QC value within limits for Cu 327.393 Recovery = 102.91%								
Fe 273.955	804678.8	20700	ug/L	71.1	20700	ug/L	71.1	0.34%
QC value within limits for Fe 273.955 Recovery = 103.51%								
K 766.490	78608.6	20350	ug/L	64.2	20350	ug/L	64.2	0.32%
QC value within limits for K 766.490 Recovery = 101.76%								
Mg 285.213	1541833.3	52900	ug/L	238.5	52900	ug/L	238.5	0.45%
QC value within limits for Mg 285.213 Recovery = 105.80%								
Mn 257.610	72529.9	1045	ug/L	11.7	1045	ug/L	11.7	1.12%
QC value within limits for Mn 257.610 Recovery = 104.49%								
Mo 202.031	59288.2	1046	ug/L	8.4	1046	ug/L	8.4	0.81%
QC value within limits for Mo 202.031 Recovery = 104.64%								
Na 589.592	263730.9	25600	ug/L	84.4	25600	ug/L	84.4	0.33%
QC value within limits for Na 589.592 Recovery = 102.41%								
Ni 231.604	95183.1	1043	ug/L	3.2	1043	ug/L	3.2	0.31%
QC value within limits for Ni 231.604 Recovery = 104.31%								
P 213.617	55951.3	5099	ug/L	14.8	5099	ug/L	14.8	0.29%
QC value within limits for P 213.617 Recovery = 101.99%								
Pb 220.353	25553.3	1054	ug/L	7.7	1054	ug/L	7.7	0.73%
QC value within limits for Pb 220.353 Recovery = 105.35%								
Sb 206.836	8698.5	1052	ug/L	8.1	1052	ug/L	8.1	0.77%
QC value within limits for Sb 206.836 Recovery = 105.19%								
Se 196.026	6827.2	1052	ug/L	11.2	1052	ug/L	11.2	1.06%
QC value within limits for Se 196.026 Recovery = 105.24%								
Sr 421.552	842045.4	1022	ug/L	2.8	1022	ug/L	2.8	0.27%
QC value within limits for Sr 421.552 Recovery = 102.24%								
Ti 337.279	69254.6	1042	ug/L	13.0	1042	ug/L	13.0	1.25%
QC value within limits for Ti 337.279 Recovery = 104.18%								
Tl 190.801	16657.3	1086	ug/L	8.3	1086	ug/L	8.3	0.76%
QC value within limits for Tl 190.801 Recovery = 108.59%								
V 292.402	311201.6	1056	ug/L	2.7	1056	ug/L	2.7	0.26%
QC value within limits for V 292.402 Recovery = 105.58%								
Zn 206.200	206814.6	1055	ug/L	4.3	1055	ug/L	4.3	0.41%
QC value within limits for Zn 206.200 Recovery = 105.53%								

QC Failed. Continue with analysis.

Sequence No.: 11
Sample ID: CCB 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/13/12 11:42:08 AM
Data Type: Reprocessed on 03/14/12 2:44:36 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	64.1	0.416	ug/L	0.1807	0.416	ug/L	0.1807	43.48%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-89.9	-45.46	ug/L	32.308	-45.46	ug/L	32.308	71.07%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-2.0	-0.296	ug/L	1.2715	-0.296	ug/L	1.2715	430.25%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-6.2	-1.057	ug/L	4.1463	-1.057	ug/L	4.1463	392.09%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-6.0	-0.023	ug/L	0.0550	-0.023	ug/L	0.0550	243.54%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	-38.8	0.002	ug/L	0.0972	0.002	ug/L	0.0972	>999.9%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	121.3	7.196	ug/L	5.8171	7.196	ug/L	5.8171	80.84%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	3.8	0.006	ug/L	0.0277	0.006	ug/L	0.0277	492.54%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	3.1	0.023	ug/L	0.2149	0.023	ug/L	0.2149	927.05%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-1.4	-0.012	ug/L	0.0673	-0.012	ug/L	0.0673	572.18%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	202.2	1.292	ug/L	0.6472	1.292	ug/L	0.6472	50.09%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	77.8	2.016	ug/L	0.4701	2.016	ug/L	0.4701	23.32%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-292.2	-75.82	ug/L	47.822	-75.82	ug/L	47.822	63.07%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	-49.4	-1.694	ug/L	1.5659	-1.694	ug/L	1.5659	92.44%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	-1.7	-0.024	ug/L	0.7736	-0.024	ug/L	0.7736	>999.9%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-10.9	-0.191	ug/L	0.2817	-0.191	ug/L	0.2817	147.69%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	-34.2	-3.310	ug/L	23.3479	-3.310	ug/L	23.3479	705.32%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	33.1	0.364	ug/L	0.2743	0.364	ug/L	0.2743	75.30%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-12.9	-1.174	ug/L	1.6827	-1.174	ug/L	1.6827	143.34%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	-8.1	-0.335	ug/L	0.5512	-0.335	ug/L	0.5512	164.60%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	0.3	0.040	ug/L	0.8773	0.040	ug/L	0.8773	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	14.6	2.244	ug/L	0.5980	2.244	ug/L	0.5980	26.64%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sr 421.552	294.4	0.358	ug/L	0.1209	0.358	ug/L	0.1209	33.80%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	123.6	1.864	ug/L	0.7108	1.864	ug/L	0.7108	38.14%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	-2.2	-0.119	ug/L	1.1875	-0.119	ug/L	1.1875	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	166.6	0.550	ug/L	0.0843	0.550	ug/L	0.0843	15.34%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	16.8	0.086	ug/L	0.0814	0.086	ug/L	0.0814	95.21%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 74
Sample ID: CCV1 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/13/12 4:27:32 PM
Data Type: Reprocessed on 03/14/12 2:45:47 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	79232.6	514.0	ug/L	5.72	514.0	ug/L	5.72	1.11%
QC value within limits for Ag 338.289 Recovery = 102.80%								
Al 308.215	42201.6	21210	ug/L	226.3	21210	ug/L	226.3	1.07%
QC value within limits for Al 308.215 Recovery = 106.03%								
As 188.979	7164.2	1054	ug/L	9.8	1054	ug/L	9.8	0.93%
QC value within limits for As 188.979 Recovery = 105.40%								
B	6451.9	1182	ug/L	12.8	1182	ug/L	12.8	1.08%
QC value greater than the upper limit for B Recovery = 118.15%								
Ba 233.527	272930.9	1049	ug/L	12.9	1049	ug/L	12.9	1.23%
QC value within limits for Ba 233.527 Recovery = 104.88%								
Be 313.107	7166775.2	1060	ug/L	7.3	1060	ug/L	7.3	0.69%
QC value within limits for Be 313.107 Recovery = 106.03%								
Ca 315.887	922386.9	54280	ug/L	455.3	54280	ug/L	455.3	0.84%
QC value within limits for Ca 315.887 Recovery = 108.56%								
Cd 214.440	674082.6	1077	ug/L	15.9	1077	ug/L	15.9	1.48%
QC value within limits for Cd 214.440 Recovery = 107.75%								
Co 228.616	117365.8	1063	ug/L	14.1	1063	ug/L	14.1	1.33%
QC value within limits for Co 228.616 Recovery = 106.34%								
Cr 267.716	127120.6	1048	ug/L	10.9	1048	ug/L	10.9	1.04%
QC value within limits for Cr 267.716 Recovery = 104.77%								
Cu 327.393	159300.0	1018	ug/L	13.1	1018	ug/L	13.1	1.29%
QC value within limits for Cu 327.393 Recovery = 101.80%								
Fe 273.955	812278.9	20890	ug/L	278.7	20890	ug/L	278.7	1.33%
QC value within limits for Fe 273.955 Recovery = 104.47%								
K 766.490	82677.4	21410	ug/L	130.6	21410	ug/L	130.6	0.61%
QC value within limits for K 766.490 Recovery = 107.03%								
Mg 285.213	1610827.0	55270	ug/L	531.1	55270	ug/L	531.1	0.96%
QC value greater than the upper limit for Mg 285.213 Recovery = 110.54%								
Mn 257.610	75054.3	1081	ug/L	10.8	1081	ug/L	10.8	1.00%
QC value within limits for Mn 257.610 Recovery = 108.12%								
Mo 202.031	60251.0	1063	ug/L	14.1	1063	ug/L	14.1	1.33%
QC value within limits for Mo 202.031 Recovery = 106.33%								
Na 589.592	268603.0	26070	ug/L	238.6	26070	ug/L	238.6	0.91%
QC value within limits for Na 589.592 Recovery = 104.29%								
Ni 231.604	95898.8	1051	ug/L	14.8	1051	ug/L	14.8	1.41%
QC value within limits for Ni 231.604 Recovery = 105.09%								
P 213.617	57960.3	5283	ug/L	71.2	5283	ug/L	71.2	1.35%
QC value within limits for P 213.617 Recovery = 105.65%								
Pb 220.353	26344.9	1086	ug/L	14.3	1086	ug/L	14.3	1.32%
QC value within limits for Pb 220.353 Recovery = 108.62%								
Sb 206.836	8639.1	1045	ug/L	10.1	1045	ug/L	10.1	0.96%
QC value within limits for Sb 206.836 Recovery = 104.47%								
Se 196.026	7069.4	1090	ug/L	11.6	1090	ug/L	11.6	1.07%
QC value within limits for Se 196.026 Recovery = 108.98%								
Sr 421.552	857910.1	1042	ug/L	9.5	1042	ug/L	9.5	0.91%
QC value within limits for Sr 421.552 Recovery = 104.16%								
Ti 337.279	72069.6	1084	ug/L	11.8	1084	ug/L	11.8	1.09%
QC value within limits for Ti 337.279 Recovery = 108.41%								
Tl 190.801	16730.7	1091	ug/L	12.7	1091	ug/L	12.7	1.16%
QC value within limits for Tl 190.801 Recovery = 109.10%								
V 292.402	309341.3	1050	ug/L	13.1	1050	ug/L	13.1	1.25%
QC value within limits for V 292.402 Recovery = 104.97%								
Zn 206.200	213355.8	1088	ug/L	15.2	1088	ug/L	15.2	1.39%
QC value within limits for Zn 206.200 Recovery = 108.84%								

QC Failed. Continue with analysis.

Sequence No.: 75
Sample ID: CCB 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/13/12 4:32:31 PM
Data Type: Reprocessed on 03/14/12 2:45:48 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	118.4	0.768	ug/L	0.7276	0.768	ug/L	0.7276	94.70%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-29.4	-14.62	ug/L	16.228	-14.62	ug/L	16.228	111.02%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-0.9	-0.135	ug/L	1.0987	-0.135	ug/L	1.0987	815.33%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-18.4	-3.259	ug/L	6.1814	-3.259	ug/L	6.1814	189.69%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-51.9	-0.195	ug/L	0.0263	-0.195	ug/L	0.0263	13.51%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	-686.7	-0.104	ug/L	0.0299	-0.104	ug/L	0.0299	28.81%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	-3852.7	-227.1	ug/L	6.11	-227.1	ug/L	6.11	2.69%
QC value less than the lower limit for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-8.9	-0.011	ug/L	0.0813	-0.011	ug/L	0.0813	748.73%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	31.4	0.291	ug/L	0.0370	0.291	ug/L	0.0370	12.73%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-6.2	-0.051	ug/L	0.2273	-0.051	ug/L	0.2273	446.25%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	205.6	1.303	ug/L	1.0808	1.303	ug/L	1.0808	82.97%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-1014.6	-26.10	ug/L	0.570	-26.10	ug/L	0.570	2.18%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-373.8	-96.80	ug/L	61.498	-96.80	ug/L	61.498	63.53%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	-346.1	-11.76	ug/L	1.908	-11.76	ug/L	1.908	16.22%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	-17.1	-0.243	ug/L	0.5395	-0.243	ug/L	0.5395	222.00%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	14.2	0.251	ug/L	0.5296	0.251	ug/L	0.5296	211.21%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	149.9	14.71	ug/L	1.647	14.71	ug/L	1.647	11.20%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	20.9	0.234	ug/L	0.5298	0.234	ug/L	0.5298	226.87%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	3.6	0.329	ug/L	1.2896	0.329	ug/L	1.2896	392.17%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	-13.0	-0.535	ug/L	0.3748	-0.535	ug/L	0.3748	70.02%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	29.1	3.521	ug/L	0.0548	3.521	ug/L	0.0548	1.56%
QC value greater than the upper limit for Sb 206.836 Recovery = Not calculated								
Se 196.026	5.1	0.788	ug/L	1.3005	0.788	ug/L	1.3005	165.06%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sr 421.552	-1937.9	-2.353	ug/L	0.3554	-2.353	ug/L	0.3554	15.10%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-57.7	-0.866	ug/L	1.4188	-0.866	ug/L	1.4188	163.84%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	-34.8	-2.246	ug/L	0.1451	-2.246	ug/L	0.1451	6.46%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-178.4	-0.582	ug/L	0.8187	-0.582	ug/L	0.8187	140.80%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-120.9	-0.606	ug/L	0.1545	-0.606	ug/L	0.1545	25.47%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 85
Sample ID: CCV2 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 03/13/12 5:02:25 PM
Data Type: Reprocessed on 03/14/12 2:45:58 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV2 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	56145.6	364.2	ug/L	6.10	364.2	ug/L	6.10	1.67%
QC value within limits for Ag 338.289 Recovery = 97.13%								
Al 308.215	30939.1	15550	ug/L	93.6	15550	ug/L	93.6	0.60%
QC value within limits for Al 308.215 Recovery = 103.66%								
As 188.979	5089.3	748.8	ug/L	2.80	748.8	ug/L	2.80	0.37%
QC value within limits for As 188.979 Recovery = 99.83%								
B	4504.5	826.2	ug/L	10.76	826.2	ug/L	10.76	1.30%
QC value within limits for B Recovery = 110.16%								
Ba 233.527	194578.7	747.7	ug/L	8.47	747.7	ug/L	8.47	1.13%
QC value within limits for Ba 233.527 Recovery = 99.70%								
Be 313.107	5057341.8	748.3	ug/L	8.91	748.3	ug/L	8.91	1.19%
QC value within limits for Be 313.107 Recovery = 99.77%								
Ca 315.887	667551.2	39280	ug/L	190.7	39280	ug/L	190.7	0.49%
QC value within limits for Ca 315.887 Recovery = 104.75%								
Cd 214.440	479275.1	766.1	ug/L	9.41	766.1	ug/L	9.41	1.23%
QC value within limits for Cd 214.440 Recovery = 102.14%								
Co 228.616	83689.7	758.2	ug/L	9.30	758.2	ug/L	9.30	1.23%
QC value within limits for Co 228.616 Recovery = 101.10%								
Cr 267.716	90775.8	748.1	ug/L	7.54	748.1	ug/L	7.54	1.01%
QC value within limits for Cr 267.716 Recovery = 99.75%								
Cu 327.393	112587.3	719.5	ug/L	9.35	719.5	ug/L	9.35	1.30%
QC value within limits for Cu 327.393 Recovery = 95.93%								
Fe 273.955	579781.2	14910	ug/L	176.8	14910	ug/L	176.8	1.19%
QC value within limits for Fe 273.955 Recovery = 99.42%								
K 766.490	58259.6	15080	ug/L	62.2	15080	ug/L	62.2	0.41%
QC value within limits for K 766.490 Recovery = 100.56%								
Mg 285.213	1178289.2	40430	ug/L	164.5	40430	ug/L	164.5	0.41%
QC value within limits for Mg 285.213 Recovery = 107.81%								
Mn 257.610	55115.8	794.0	ug/L	7.17	794.0	ug/L	7.17	0.90%
QC value within limits for Mn 257.610 Recovery = 105.86%								
Mo 202.031	42601.3	751.8	ug/L	1.84	751.8	ug/L	1.84	0.24%
QC value within limits for Mo 202.031 Recovery = 100.25%								
Na 589.592	191745.5	18610	ug/L	70.3	18610	ug/L	70.3	0.38%
QC value within limits for Na 589.592 Recovery = 99.27%								
Ni 231.604	68272.1	748.1	ug/L	9.51	748.1	ug/L	9.51	1.27%
QC value within limits for Ni 231.604 Recovery = 99.75%								
P 213.617	42317.4	3857	ug/L	6.3	3857	ug/L	6.3	0.16%
QC value within limits for P 213.617 Recovery = 102.85%								
Pb 220.353	18827.1	776.2	ug/L	2.30	776.2	ug/L	2.30	0.30%
QC value within limits for Pb 220.353 Recovery = 103.50%								
Sb 206.836	6138.1	742.3	ug/L	10.55	742.3	ug/L	10.55	1.42%
QC value within limits for Sb 206.836 Recovery = 98.97%								
Se 196.026	5070.3	781.6	ug/L	2.00	781.6	ug/L	2.00	0.26%
QC value within limits for Se 196.026 Recovery = 104.21%								
Sr 421.552	615242.5	747.0	ug/L	2.78	747.0	ug/L	2.78	0.37%
QC value within limits for Sr 421.552 Recovery = 99.60%								
Ti 337.279	52040.7	782.8	ug/L	7.19	782.8	ug/L	7.19	0.92%
QC value within limits for Ti 337.279 Recovery = 104.38%								
Tl 190.801	12038.0	785.1	ug/L	2.35	785.1	ug/L	2.35	0.30%
QC value within limits for Tl 190.801 Recovery = 104.68%								
V 292.402	219648.6	745.3	ug/L	9.23	745.3	ug/L	9.23	1.24%
QC value within limits for V 292.402 Recovery = 99.38%								
Zn 206.200	152145.5	776.1	ug/L	9.96	776.1	ug/L	9.96	1.28%
QC value within limits for Zn 206.200 Recovery = 103.49%								

All analyte(s) passed QC.

Sequence No.: 86
Sample ID: CCB 120313EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 03/13/12 5:07:30 PM
Data Type: Reprocessed on 03/14/12 2:45:59 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120313EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	39.7	0.257	ug/L	0.3066	0.257	ug/L	0.3066	119.09%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	-11.6	-6.301	ug/L	39.2769	-6.301	ug/L	39.2769	623.35%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	0.3	0.040	ug/L	0.1493	0.040	ug/L	0.1493	375.05%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-18.0	-3.130	ug/L	2.9108	-3.130	ug/L	2.9108	93.00%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-27.1	-0.100	ug/L	0.0598	-0.100	ug/L	0.0598	59.59%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	-452.8	-0.078	ug/L	0.0459	-0.078	ug/L	0.0459	59.09%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	6811.5	401.7	ug/L	13.77	401.7	ug/L	13.77	3.43%
QC value greater than the upper limit for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-48.9	-0.080	ug/L	0.0120	-0.080	ug/L	0.0120	14.88%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	33.6	0.307	ug/L	0.2375	0.307	ug/L	0.2375	77.33%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	15.9	0.131	ug/L	0.1115	0.131	ug/L	0.1115	85.24%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	72.3	0.463	ug/L	1.5867	0.463	ug/L	1.5867	342.84%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-1004.1	-26.51	ug/L	0.371	-26.51	ug/L	0.371	1.40%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	169.2	43.55	ug/L	135.420	43.55	ug/L	135.420	310.95%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	29.5	0.785	ug/L	2.4784	0.785	ug/L	2.4784	315.54%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	0.2	-0.003	ug/L	0.2703	-0.003	ug/L	0.2703	>999.9%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-21.0	-0.376	ug/L	0.2602	-0.376	ug/L	0.2602	69.26%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	868.3	84.24	ug/L	6.034	84.24	ug/L	6.034	7.16%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	22.4	0.244	ug/L	0.3700	0.244	ug/L	0.3700	151.81%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-4.1	-0.374	ug/L	0.6334	-0.374	ug/L	0.6334	169.46%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	-26.9	-1.108	ug/L	0.5232	-1.108	ug/L	0.5232	47.22%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	35.4	4.286	ug/L	0.8268	4.286	ug/L	0.8268	19.29%
QC value greater than the upper limit for Sb 206.836 Recovery = Not calculated								
Se 196.026	-1.1	-0.173	ug/L	0.6798	-0.173	ug/L	0.6798	392.82%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sr 421.552	5720.1	6.949	ug/L	0.3263	6.949	ug/L	0.3263	4.70%
QC value greater than the upper limit for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-155.2	-2.346	ug/L	0.6432	-2.346	ug/L	0.6432	27.41%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	-44.7	-2.882	ug/L	1.1147	-2.882	ug/L	1.1147	38.68%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	137.8	0.460	ug/L	0.0424	0.460	ug/L	0.0424	9.23%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	203.4	1.024	ug/L	0.0709	1.024	ug/L	0.0709	6.93%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

METALS
EPA SW846 - 6010B
Raw Data

APPL, INC.

Sequence No.: 78
Sample ID: AY56657S01
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.12 g
Dilution:

Autosampler Location: 92
Date Collected: 03/13/12 4:42:51 PM
Data Type: Reprocessed on 03/14/12 2:45:51 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56657S01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	4373.5	28.37	ug/L	0.196	2.533	mg/kg	0.0175	0.69%
Al 308.215	147402.1	71520	ug/L	269.3	6386	mg/kg	24.0	0.38%
As 188.979	239.0	35.16	ug/L	5.846	3.139	mg/kg	0.5220	16.63%
B	-382.4	296.4	ug/L	7.94	26.47	mg/kg	0.709	2.68%
Ba 233.527	71375.8	253.1	ug/L	0.73	22.60	mg/kg	0.066	0.29%
Be 313.107	8879.5	-7.524	ug/L	0.0450	-0.672	mg/kg	0.0040	0.60%
Ca 315.887	47482402.7	2800000	ug/L	14038.3	250000	mg/kg	1253.4	0.50%
Cd 214.440	2185.6	-20.50	ug/L	0.335	-1.831	mg/kg	0.0300	1.64%
Co 228.616	2609.7	-0.927	ug/L	0.7468	-0.083	mg/kg	0.0667	80.53%
Cr 267.716	9444.2	77.84	ug/L	1.151	6.950	mg/kg	0.1027	1.48%
Cu 327.393	1081.9	57.66	ug/L	1.336	5.148	mg/kg	0.1193	2.32%
Fe 273.955	2100635.7	52150	ug/L	203.8	4656	mg/kg	18.2	0.39%
K 766.490	62092.4	13780	ug/L	132.3	1230	mg/kg	11.8	0.96%
Mg 285.213	702068.3	22590	ug/L	137.6	2017	mg/kg	12.3	0.61%
Mn 257.610	77075.7	1074	ug/L	3.0	95.85	mg/kg	0.268	0.28%
Mo 202.031	58.4	-23.34	ug/L	1.504	-2.084	mg/kg	0.1343	6.44%
Na 589.592	12106.0	-194.5	ug/L	19.72	-17.37	mg/kg	1.761	10.14%
Ni 231.604	5099.5	25.50	ug/L	2.023	2.277	mg/kg	0.1806	7.93%
P 213.617	23571.5	2148	ug/L	8.5	191.8	mg/kg	0.76	0.40%
Pb 220.353	726.1	29.94	ug/L	2.445	2.673	mg/kg	0.2183	8.17%
Sb 206.836	-68.5	-8.289	ug/L	2.4738	-0.740	mg/kg	0.2209	29.85%
Se 196.026	-56.0	-8.640	ug/L	7.8638	-0.771	mg/kg	0.7021	91.02%
Sr 421.552	774056.1	910.1	ug/L	4.40	81.26	mg/kg	0.393	0.48%
Ti 337.279	28759.9	394.2	ug/L	3.78	35.20	mg/kg	0.338	0.96%
Tl 190.801	-267.0	-14.10	ug/L	0.781	-1.259	mg/kg	0.0697	5.54%
V 292.402	50848.9	136.7	ug/L	0.32	12.21	mg/kg	0.029	0.23%
Zn 206.200	18878.7	7.242	ug/L	0.7230	0.647	mg/kg	0.0646	9.98%

Sequence No.: 79
Sample ID: AY56658801
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.11 g
Dilution:

Autosampler Location: 93
Date Collected: 03/13/12 4:45:39 PM
Data Type: Reprocessed on 03/14/12 2:45:52 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56658801

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	3538.4	22.96	ug/L	0.327	2.068	mg/kg	0.0295	1.42%
Al 308.215	227586.6	112400	ug/L	1840.2	10120	mg/kg	165.8	1.64%
As 188.979	330.9	48.68	ug/L	2.833	4.385	mg/kg	0.2553	5.82%
B	-1043.4	266.8	ug/L	7.24	24.04	mg/kg	0.652	2.71%
Ba 233.527	93817.7	334.3	ug/L	2.12	30.12	mg/kg	0.191	0.64%
Be 313.107	17231.1	-4.498	ug/L	0.1477	-0.405	mg/kg	0.0133	3.28%
Ca 315.887	41991959.7	2476000	ug/L	36645.2	223100	mg/kg	3301.4	1.48%
Cd 214.440	3241.1	-18.02	ug/L	0.397	-1.624	mg/kg	0.0358	2.21%
Co 228.616	3909.0	11.31	ug/L	0.371	1.019	mg/kg	0.0334	3.28%
Cr 267.716	14475.8	119.3	ug/L	0.51	10.75	mg/kg	0.046	0.42%
Cu 327.393	1988.8	59.70	ug/L	0.674	5.379	mg/kg	0.0608	1.13%
Fe 273.955	3360779.1	85120	ug/L	463.9	7668	mg/kg	41.8	0.54%
K 766.490	91738.1	21740	ug/L	348.7	1959	mg/kg	31.4	1.60%
Mg 285.213	812277.2	26550	ug/L	469.8	2392	mg/kg	42.3	1.77%
Mn 257.610	116911.9	1654	ug/L	12.2	149.0	mg/kg	1.10	0.74%
Mo 202.031	108.6	-17.34	ug/L	1.462	-1.562	mg/kg	0.1317	8.43%
Na 589.592	10979.5	-161.3	ug/L	47.99	-14.53	mg/kg	4.324	29.75%
Ni 231.604	7310.1	51.97	ug/L	1.902	4.682	mg/kg	0.1713	3.66%
P 213.617	20876.6	1903	ug/L	11.5	171.4	mg/kg	1.04	0.61%
Pb 220.353	1187.9	48.97	ug/L	0.680	4.412	mg/kg	0.0613	1.39%
Sb 206.836	-103.8	-12.55	ug/L	2.848	-1.131	mg/kg	0.2565	22.68%
Se 196.026	-31.9	-4.915	ug/L	6.0950	-0.443	mg/kg	0.5491	124.02%
Sr 421.552	656995.6	770.6	ug/L	13.12	69.42	mg/kg	1.182	1.70%
Ti 337.279	45180.9	645.9	ug/L	4.85	58.19	mg/kg	0.437	0.75%
Tl 190.801	-338.3	-10.96	ug/L	3.132	-0.988	mg/kg	0.2821	28.56%
V 292.402	70617.0	196.9	ug/L	0.81	17.74	mg/kg	0.073	0.41%
Zn 206.200	28018.1	61.66	ug/L	2.211	5.555	mg/kg	0.1992	3.59%

Sequence No.: 80
Sample ID: AY56659S01
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.13 g
Dilution:

Autosampler Location: 94
Date Collected: 03/13/12 4:48:24 PM
Data Type: Reprocessed on 03/14/12 2:45:53 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56659S01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	620.2	4.023	ug/L	0.6528	0.356	mg/kg	0.0578	16.22%
Al 308.215	751874.3	378600	ug/L	5313.3	33500	mg/kg	470.2	1.40%
As 188.979	800.5	117.8	ug/L	5.71	10.42	mg/kg	0.505	4.84%
B	-3942.4	179.1	ug/L	12.79	15.85	mg/kg	1.132	7.14%
Ba 233.527	390707.4	1454	ug/L	19.1	128.6	mg/kg	1.69	1.31%
Be 313.107	58784.3	8.979	ug/L	0.1144	0.795	mg/kg	0.0101	1.27%
Ca 315.887	23235544.8	1370000	ug/L	7077.2	121200	mg/kg	626.3	0.52%
Cd 214.440	7947.1	-9.175	ug/L	0.2390	-0.812	mg/kg	0.0212	2.61%
Co 228.616	10957.0	73.69	ug/L	1.042	6.521	mg/kg	0.0922	1.41%
Cr 267.716	41478.2	341.8	ug/L	4.69	30.25	mg/kg	0.415	1.37%
Cu 327.393	11381.2	108.1	ug/L	1.72	9.566	mg/kg	0.1522	1.59%
Fe 273.955	9089180.7	234600	ug/L	987.9	20760	mg/kg	87.4	0.42%
K 766.490	181520.9	45980	ug/L	577.6	4069	mg/kg	51.1	1.26%
Mg 285.213	1195391.4	40250	ug/L	568.6	3562	mg/kg	50.3	1.41%
Mn 257.610	335436.6	4827	ug/L	46.7	427.2	mg/kg	4.13	0.97%
Mo 202.031	-307.1	-5.422	ug/L	1.7534	-0.480	mg/kg	0.1552	32.34%
Na 589.592	13223.9	526.1	ug/L	14.48	46.56	mg/kg	1.282	2.75%
Ni 231.604	17889.2	173.8	ug/L	1.73	15.38	mg/kg	0.153	1.00%
P 213.617	17664.5	1610	ug/L	20.2	142.5	mg/kg	1.79	1.26%
Pb 220.353	3666.1	151.1	ug/L	2.31	13.38	mg/kg	0.204	1.53%
Sb 206.836	-193.8	-23.43	ug/L	2.343	-2.074	mg/kg	0.2073	10.00%
Se 196.026	-13.5	-2.075	ug/L	6.0874	-0.184	mg/kg	0.5387	293.37%
Sr 421.552	300360.4	345.9	ug/L	4.93	30.61	mg/kg	0.437	1.43%
Ti 337.279	130318.2	1942	ug/L	18.0	171.9	mg/kg	1.59	0.93%
Tl 190.801	-920.2	-7.641	ug/L	2.4524	-0.676	mg/kg	0.2170	32.09%
V 292.402	210684.1	635.2	ug/L	8.26	56.21	mg/kg	0.731	1.30%
Zn 206.200	74592.1	323.2	ug/L	4.81	28.60	mg/kg	0.426	1.49%

Sequence No.: 81
Sample ID: AY56660S01
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.14 g
Dilution:

Autosampler Location: 95
Date Collected: 03/13/12 4:51:17 PM
Data Type: Reprocessed on 03/14/12 2:45:54 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56660S01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	2524.5	16.38	ug/L	0.731	1.437	mg/kg	0.0641	4.46%
Al 308.215	407359.8	203700	ug/L	2503.3	17870	mg/kg	219.6	1.23%
As 188.979	507.2	74.62	ug/L	4.364	6.546	mg/kg	0.3828	5.85%
B	-2073.9	221.2	ug/L	3.78	19.40	mg/kg	0.332	1.71%
Ba 233.527	172801.3	630.7	ug/L	2.16	55.32	mg/kg	0.189	0.34%
Be 313.107	28033.9	0.072	ug/L	0.0994	0.006	mg/kg	0.0087	138.52%
Ca 315.887	34263836.9	2020000	ug/L	22712.4	177200	mg/kg	1992.3	1.12%
Cd 214.440	9156.1	-7.448	ug/L	0.4868	-0.653	mg/kg	0.0427	6.54%
Co 228.616	5682.5	27.36	ug/L	0.529	2.400	mg/kg	0.0464	1.93%
Cr 267.716	24172.3	199.2	ug/L	2.88	17.48	mg/kg	0.253	1.45%
Cu 327.393	6496.5	83.14	ug/L	0.898	7.293	mg/kg	0.0788	1.08%
Fe 273.955	5267929.3	135000	ug/L	497.0	11840	mg/kg	43.6	0.37%
K 766.490	135142.6	33390	ug/L	392.2	2929	mg/kg	34.4	1.17%
Mg 285.213	1044660.8	34750	ug/L	431.6	3049	mg/kg	37.9	1.24%
Mn 257.610	167745.5	2394	ug/L	29.9	210.0	mg/kg	2.62	1.25%
Mo 202.031	-131.8	-14.40	ug/L	1.296	-1.263	mg/kg	0.1137	9.00%
Na 589.592	11650.6	101.2	ug/L	40.23	8.879	mg/kg	3.5294	39.75%
Ni 231.604	11085.8	96.19	ug/L	2.158	8.437	mg/kg	0.1893	2.24%
P 213.617	18789.4	1712	ug/L	27.9	150.2	mg/kg	2.45	1.63%
Pb 220.353	2185.1	90.09	ug/L	2.129	7.903	mg/kg	0.1867	2.36%
Sb 206.836	-92.0	-11.13	ug/L	5.451	-0.976	mg/kg	0.4781	48.98%
Se 196.026	5.2	0.795	ug/L	2.3249	0.070	mg/kg	0.2039	292.50%
Sr 421.552	581057.8	682.1	ug/L	9.24	59.84	mg/kg	0.811	1.35%
Ti 337.279	77290.8	1135	ug/L	13.9	99.59	mg/kg	1.216	1.22%
Tl 190.801	-568.0	-13.34	ug/L	5.444	-1.170	mg/kg	0.4776	40.81%
V 292.402	120321.5	353.6	ug/L	1.27	31.01	mg/kg	0.111	0.36%
Zn 206.200	51987.4	194.4	ug/L	4.84	17.05	mg/kg	0.425	2.49%

Sequence No.: 82
Sample ID: AY56661S01
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.09 g
Dilution:

Autosampler Location: 96
Date Collected: 03/13/12 4:54:07 PM
Data Type: Reprocessed on 03/14/12 2:45:55 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56661S01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	2830.9	18.37	ug/L	0.548	1.685	mg/kg	0.0503	2.99%
Al 308.215	378661.9	189000	ug/L	2433.3	17340	mg/kg	223.2	1.29%
As 188.979	456.2	67.11	ug/L	3.240	6.157	mg/kg	0.2972	4.83%
B	-1593.8	268.2	ug/L	3.25	24.61	mg/kg	0.299	1.21%
Ba 233.527	167853.3	613.9	ug/L	3.84	56.32	mg/kg	0.353	0.63%
Be 313.107	21595.7	-1.141	ug/L	0.1028	-0.105	mg/kg	0.0094	9.01%
Ca 315.887	37440448.9	2207000	ug/L	14870.2	202500	mg/kg	1364.2	0.67%
Cd 214.440	5527.3	-13.89	ug/L	0.051	-1.275	mg/kg	0.0047	0.37%
Co 228.616	4971.2	19.92	ug/L	0.617	1.828	mg/kg	0.0566	3.10%
Cr 267.716	21811.9	179.8	ug/L	0.57	16.49	mg/kg	0.052	0.32%
Cu 327.393	7030.5	89.00	ug/L	1.409	8.166	mg/kg	0.1293	1.58%
Fe 273.955	4686381.4	119700	ug/L	834.0	10980	mg/kg	76.5	0.70%
K 766.490	136405.8	33560	ug/L	266.9	3079	mg/kg	24.5	0.80%
Mg 285.213	1190224.9	39650	ug/L	510.1	3638	mg/kg	46.8	1.29%
Mn 257.610	171361.7	2444	ug/L	28.8	224.2	mg/kg	2.64	1.18%
Mo 202.031	-10.9	-15.02	ug/L	0.578	-1.378	mg/kg	0.0530	3.85%
Na 589.592	11996.4	49.36	ug/L	25.113	4.528	mg/kg	2.3039	50.88%
Ni 231.604	11406.3	98.17	ug/L	1.390	9.007	mg/kg	0.1275	1.42%
P 213.617	19063.9	1738	ug/L	17.4	159.4	mg/kg	1.59	1.00%
Pb 220.353	1838.6	75.80	ug/L	0.408	6.954	mg/kg	0.0374	0.54%
Sb 206.836	-116.2	-14.05	ug/L	2.500	-1.289	mg/kg	0.2293	17.78%
Se 196.026	-26.4	-4.072	ug/L	6.0919	-0.374	mg/kg	0.5589	149.59%
Sr 421.552	603655.3	707.9	ug/L	8.84	64.94	mg/kg	0.811	1.25%
Ti 337.279	81496.8	1196	ug/L	19.0	109.7	mg/kg	1.74	1.59%
Tl 190.801	-564.5	-13.16	ug/L	3.280	-1.208	mg/kg	0.3009	24.92%
V 292.402	104825.4	304.2	ug/L	2.12	27.91	mg/kg	0.194	0.70%
Zn 206.200	60433.2	232.4	ug/L	3.14	21.32	mg/kg	0.288	1.35%

Sequence No.: 76
Sample ID: 120312A-3050G-BLK
Analyst: EA
Logged In Analyst (Original) : chemist_metale
Initial Sample Wt: 1 g
Dilution:

Autosampler Location: 90
Date Collected: 03/13/12 4:35:51 PM
Data Type: Reprocessed on 03/14/12 2:45:49 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: 120312A-3050G-BLK

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	-5.2	-0.033	ug/L	0.8368	-0.003	mg/kg	0.0837	>999.9%
Al 308.215	301.5	149.3	ug/L	25.78	14.93	mg/kg	2.578	17.26%
As 188.979	-1.1	-0.161	ug/L	1.2485	-0.016	mg/kg	0.1248	775.17%
B	-49.2	-7.352	ug/L	7.9720	-0.735	mg/kg	0.7972	108.44%
Ba 233.527	229.7	0.817	ug/L	0.1240	0.082	mg/kg	0.0124	15.17%
Be 313.107	-262.8	-0.015	ug/L	0.0669	-0.001	mg/kg	0.0067	459.18%
Ca 315.887	42341.7	2496	ug/L	53.3	249.6	mg/kg	5.33	2.14%
Cd 214.440	7.4	-0.023	ug/L	0.0354	-0.002	mg/kg	0.0035	151.98%
Co 228.616	-23.3	-0.264	ug/L	0.0392	-0.026	mg/kg	0.0039	14.81%
Cr 267.716	147.1	1.213	ug/L	0.0909	0.121	mg/kg	0.0091	7.50%
Cu 327.393	216.3	1.448	ug/L	1.2913	0.145	mg/kg	0.1291	89.18%
Fe 273.955	11035.7	284.3	ug/L	2.46	28.43	mg/kg	0.246	0.87%
K 766.490	-214.3	-57.74	ug/L	28.342	-5.774	mg/kg	2.8342	49.09%
Mg 285.213	2922.6	98.95	ug/L	2.419	9.895	mg/kg	0.2419	2.44%
Mn 257.610	514.4	7.396	ug/L	0.9182	0.740	mg/kg	0.0918	12.41%
Mo 202.031	17.3	0.299	ug/L	0.1615	0.030	mg/kg	0.0161	54.08%
Na 589.592	1786.5	172.4	ug/L	32.84	17.24	mg/kg	3.284	19.05%
Ni 231.604	61.8	0.644	ug/L	0.1023	0.064	mg/kg	0.0102	15.89%
P 213.617	218.8	19.94	ug/L	0.722	1.994	mg/kg	0.0722	3.62%
Pb 220.353	21.5	0.886	ug/L	0.5012	0.089	mg/kg	0.0501	56.54%
Sb 206.836	-378.9	-45.82	ug/L	0.339	-4.582	mg/kg	0.0339	0.74%
Se 196.026	10.3	1.588	ug/L	1.4261	0.159	mg/kg	0.1426	89.78%
Sr 421.552	26975.4	32.76	ug/L	0.401	3.276	mg/kg	0.0401	1.22%
Ti 337.279	593.6	8.910	ug/L	0.9302	0.891	mg/kg	0.0930	10.44%
Tl 190.801	23.6	1.643	ug/L	0.5777	0.164	mg/kg	0.0578	35.16%
V 292.402	212.7	0.629	ug/L	0.1982	0.063	mg/kg	0.0198	31.53%
Zn 206.200	1534.2	7.714	ug/L	0.0696	0.771	mg/kg	0.0070	0.90%

Sequence No.: 77
Sample ID: 120312A-3050G-LCS
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1 g
Dilution:

Autosampler Location: 91
Date Collected: 03/13/12 4:39:21 PM
Data Type: Reprocessed on 03/14/12 2:45:50 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: 120312A-3050G-LCS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	15015.4	97.41	ug/L	1.304	9.741	mg/kg	0.1304	1.34%
Al 308.215	4463.4	2186	ug/L	25.1	218.6	mg/kg	2.51	1.15%
As 188.979	1869.8	275.1	ug/L	2.42	27.51	mg/kg	0.242	0.88%
B	1553.8	275.1	ug/L	5.14	27.51	mg/kg	0.514	1.87%
Ba 233.527	68671.8	264.6	ug/L	3.97	26.46	mg/kg	0.397	1.50%
Be 313.107	373835.8	56.01	ug/L	0.768	5.601	mg/kg	0.0768	1.37%
Ca 315.887	484137.4	28510	ug/L	179.9	2851	mg/kg	18.0	0.63%
Cd 214.440	33831.4	53.93	ug/L	0.808	5.393	mg/kg	0.0808	1.50%
Co 228.616	30175.7	273.3	ug/L	4.50	27.33	mg/kg	0.450	1.65%
Cr 267.716	34446.6	283.9	ug/L	4.12	28.39	mg/kg	0.412	1.45%
Cu 327.393	41288.8	263.6	ug/L	5.05	26.36	mg/kg	0.505	1.92%
Fe 273.955	41963.2	1003	ug/L	14.2	100.3	mg/kg	1.42	1.42%
K 766.490	20907.9	5399	ug/L	78.3	539.9	mg/kg	7.83	1.45%
Mg 285.213	854719.6	29330	ug/L	204.6	2933	mg/kg	20.5	0.70%
Mn 257.610	20444.4	293.4	ug/L	0.97	29.34	mg/kg	0.097	0.33%
Mo 202.031	14982.6	263.9	ug/L	0.63	26.39	mg/kg	0.063	0.24%
Na 589.592	281127.7	27320	ug/L	233.7	2732	mg/kg	23.4	0.86%
Ni 231.604	25681.5	281.2	ug/L	3.67	28.12	mg/kg	0.367	1.31%
P 213.617	24595.9	2242	ug/L	5.9	224.2	mg/kg	0.59	0.26%
Pb 220.353	6884.2	283.8	ug/L	2.03	28.38	mg/kg	0.203	0.72%
Sb 206.836	2190.1	264.9	ug/L	3.64	26.49	mg/kg	0.364	1.37%
Se 196.026	1858.1	286.4	ug/L	1.57	28.64	mg/kg	0.157	0.55%
Sr 421.552	222191.5	269.6	ug/L	2.41	26.96	mg/kg	0.241	0.89%
Ti 337.279	18508.3	277.8	ug/L	0.20	27.78	mg/kg	0.020	0.07%
Tl 190.801	4321.4	281.8	ug/L	2.13	28.18	mg/kg	0.213	0.76%
V 292.402	79488.2	270.6	ug/L	3.76	27.06	mg/kg	0.376	1.39%
Zn 206.200	109135.2	555.4	ug/L	7.98	55.54	mg/kg	0.798	1.44%

Sequence No.: 83
Sample ID: AY56661S01-A
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.09 g
Dilution:

Autosampler Location: 97
Date Collected: 03/13/12 4:56:54 PM
Data Type: Reprocessed on 03/14/12 2:45:56 PM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56661S01-A

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	30938.1	200.7	ug/L	1.93	18.41	mg/kg	0.177	0.96%
Al 308.215	382654.1	191000	ug/L	1501.1	17520	mg/kg	137.7	0.79%
As 188.979	3772.3	555.0	ug/L	8.43	50.92	mg/kg	0.773	1.52%
B	1542.3	798.4	ug/L	5.37	73.24	mg/kg	0.493	0.67%
Ba 233.527	273575.6	1023	ug/L	6.9	93.81	mg/kg	0.635	0.68%
Be 313.107	652173.9	93.67	ug/L	0.733	8.594	mg/kg	0.0672	0.78%
Ca 315.887	36934017.9	2178000	ug/L	10697.6	199800	mg/kg	981.4	0.49%
Cd 214.440	60911.0	75.29	ug/L	1.095	6.907	mg/kg	0.1004	1.45%
Co 228.616	54667.4	470.7	ug/L	5.38	43.19	mg/kg	0.493	1.14%
Cr 267.716	81444.3	671.2	ug/L	8.05	61.58	mg/kg	0.739	1.20%
Cu 327.393	80824.1	558.4	ug/L	3.96	51.23	mg/kg	0.363	0.71%
Fe 273.955	4548286.4	116000	ug/L	916.0	10650	mg/kg	84.0	0.79%
K 766.490	171821.6	42770	ug/L	875.7	3924	mg/kg	80.3	2.05%
Mg 285.213	2524089.4	85460	ug/L	1601.8	7840	mg/kg	147.0	1.87%
Mn 257.610	205450.1	2934	ug/L	23.3	269.2	mg/kg	2.14	0.79%
Mo 202.031	25231.3	430.0	ug/L	5.60	39.45	mg/kg	0.514	1.30%
Na 589.592	539118.6	51320	ug/L	1010.6	4708	mg/kg	92.7	1.97%
Ni 231.604	53182.7	556.5	ug/L	8.66	51.05	mg/kg	0.795	1.56%
P 213.617	61294.4	5586	ug/L	71.7	512.5	mg/kg	6.58	1.28%
Pb 220.353	12730.2	524.8	ug/L	6.43	48.15	mg/kg	0.590	1.23%
Sb 206.836	3639.8	440.2	ug/L	5.97	40.38	mg/kg	0.548	1.36%
Se 196.026	3195.6	492.6	ug/L	10.31	45.19	mg/kg	0.945	2.09%
Sr 421.552	989077.4	1177	ug/L	21.9	107.9	mg/kg	2.01	1.87%
Ti 337.279	112937.0	1669	ug/L	10.0	153.1	mg/kg	0.92	0.60%
Tl 190.801	6159.3	426.3	ug/L	4.34	39.11	mg/kg	0.398	1.02%
V 292.402	238939.3	762.7	ug/L	6.15	69.97	mg/kg	0.564	0.81%
Zn 206.200	230485.9	1101	ug/L	9.8	101.0	mg/kg	0.90	0.89%

Sequence No.: 84
Sample ID: AY56661801-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.09 g
Dilution: 5X

Autosampler Location: 98
Date Collected: 03/13/12 4:59:42 PM
Data Type: Reprocessed on 03/14/12 2:45:57 PM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56661801-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	714.7	4.636	ug/L	0.2539	2.127	mg/kg	0.1165	5.48%
Al 308.215	102381.5	51070	ug/L	871.2	23430	mg/kg	399.6	1.71%
As 188.979	83.2	12.24	ug/L	3.796	5.616	mg/kg	1.7413	31.01%
B	-431.0	79.25	ug/L	5.471	36.35	mg/kg	2.510	6.90%
Ba 233.527	47693.5	174.5	ug/L	2.18	80.03	mg/kg	0.999	1.25%
Be 313.107	5242.1	-0.533	ug/L	0.0443	-0.245	mg/kg	0.0203	8.30%
Ca 315.887	10751727.6	633900	ug/L	15462.5	290800	mg/kg	7092.9	2.44%
Cd 214.440	1424.0	-4.230	ug/L	0.2543	-1.941	mg/kg	0.1167	6.01%
Co 228.616	1502.5	6.493	ug/L	1.3090	2.978	mg/kg	0.6005	20.16%
Cr 267.716	6218.1	51.25	ug/L	1.455	23.51	mg/kg	0.667	2.84%
Cu 327.393	1349.3	21.26	ug/L	1.035	9.753	mg/kg	0.4749	4.87%
Fe 273.955	1320216.6	33710	ug/L	611.4	15470	mg/kg	280.5	1.81%
K 766.490	34465.3	8417	ug/L	157.2	3861	mg/kg	72.1	1.87%
Mg 285.213	334389.4	11130	ug/L	224.5	5107	mg/kg	103.0	2.02%
Mn 257.610	49569.6	707.0	ug/L	4.02	324.3	mg/kg	1.84	0.57%
Mo 202.031	54.8	-3.309	ug/L	1.0367	-1.518	mg/kg	0.4756	31.34%
Na 589.592	3249.6	-4.185	ug/L	6.2333	-1.920	mg/kg	2.8593	148.95%
Ni 231.604	3238.2	27.82	ug/L	0.818	12.76	mg/kg	0.375	2.94%
P 213.617	5027.2	458.2	ug/L	7.98	210.2	mg/kg	3.66	1.74%
Pb 220.353	520.8	21.47	ug/L	1.934	9.850	mg/kg	0.8870	9.01%
Sb 206.836	-84.1	-10.17	ug/L	5.660	-4.663	mg/kg	2.5965	55.68%
Se 196.026	-42.1	-6.484	ug/L	0.4629	-2.974	mg/kg	0.2123	7.14%
Sr 421.552	163535.3	191.4	ug/L	3.89	87.78	mg/kg	1.783	2.03%
Ti 337.279	22158.1	324.7	ug/L	2.28	149.0	mg/kg	1.04	0.70%
Tl 190.801	-170.5	-4.504	ug/L	2.0840	-2.066	mg/kg	0.9560	46.27%
V 292.402	28779.9	83.16	ug/L	1.217	38.15	mg/kg	0.558	1.46%
Zn 206.200	17696.2	68.53	ug/L	1.852	31.44	mg/kg	0.849	2.70%

080 Metals Standards Log Book # 34 Page # 080

SA 3-13-12
6010B-C
(A)

1%HNO3 / 5%HCl BLK					6010B/6010C ICSA				
AMOUNT	REAGENT	MANUFACTURER	LOT	OPEN DATE	AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
100 mL	HCL	BDH	411040	12/28/11	1mL	Al	CPI	10E012-27685	04/20/12
20 mL	HNO3	JT BAKER	K23022	12/27/11	1mL	Ca	CPI	11A008-28528	09/15/12
Prepared in 2000 ml DI Water					1mL	Mg	CPI	10H213-2786	04/20/12
STD 1 / LDL 6010B/6010C					1mL	Fe	O2SI	1022245-27699	04/22/12
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE	Prepared in 50 ml 1%HNO3/5%HCl				
0.5 mL	6010 LDL	ABSOLUTE	091409-25205	09/14/12	6010B/6010C ICSAB				
Prepared in 50 ml 1%HNO3/5%HCl					1mL	Al	CPI	10E012-27685	04/20/12
STD 3 / HDL 6010B/6010C					1mL	Ca	CPI	11A008-28528	09/15/12
1ML	CCV-A	ABSOLUTE	091409-25206	09/14/12	1mL	Mg	CPI	10H213-2786	04/20/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12	1mL	Fe	O2SI	1022245-27699	04/22/12
1ML	CCV-C	ABSOLUTE	091009-25207	09/10/12	0.5mL	JT SPECIAL M	O2SI	160495-01-01	03/01/12
Prepared in 100 ml 1%HNO3 / 5%HCl					Prepared in 50 ml 1%HNO3/5%HCl				
STD 2 / CCV1 6010B/6010C/6010C					6010B/6010C ICV				
AMOUNT	STD	PREP DATE	EXP DATE		0.5ML	QCS ICV A	CPI	11C174-28548	09/17/12
25mL	STD 3	Today	1 week		0.5ML	QCS ICV B	CPI	11C174-28549	09/17/12
25mL	1%HNO3/5%HCl	Today	1 week		Prepared in 50ml 1%HNO3/5%HCl				
CCV2 6010B/6010C									
AMOUNT	STD	PREP DATE	EXP DATE						
15mL	STD 3	Today	1 week						
25mL	1%HNO3/5%HCl	Today	1 week						

SA 3-13-12

TBB 3/13/12

TBB 3/13/12

Hg WORKING STANDARD

1ml X 10ug/ml Hg STOCK STD. (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
1ml X 10ug/ml Hg STOCK ICV (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
Final concentration is 50 ug/L. Expires.....3/13/12.....

SA 3-14-12
6010B-C
(A)

1%HNO3 / 5%HCl BLK					6010B/6010C ICSA				
AMOUNT	REAGENT	MANUFACTURER	LOT	OPEN DATE	AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
100 mL	HCL	BDH	411040	12/28/11	1mL	Al	CPI	10E012-27685	04/20/12
20 mL	HNO3	JT BAKER	K23022	12/27/11	1mL	Ca	CPI	11A008-28528	09/15/12
Prepared in 2000 ml DI Water					1mL	Mg	CPI	10H213-2786	04/20/12
STD 1 / LDL 6010B/6010C					1mL	Fe	O2SI	1022245-27699	04/22/12
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE	Prepared in 50 ml 1%HNO3/5%HCl				
0.5 mL	6010 LDL	ABSOLUTE	091409-25205	09/14/12	6010B/6010C ICSAB				
Prepared in 50 ml 1%HNO3/5%HCl					1mL	Al	CPI	10E012-27685	04/20/12
STD 3 / HDL 6010B/6010C					1mL	Ca	CPI	11A008-28528	09/15/12
1ML	CCV-A	ABSOLUTE	091409-25206	09/14/12	1mL	Mg	CPI	10H213-2786	04/20/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12	1mL	Fe	O2SI	1022245-27699	04/22/12
1ML	CCV-C	ABSOLUTE	091009-25207	09/10/12	0.5mL	JT SPECIAL M	O2SI	160495-01-01	03/01/12
Prepared in 100 ml 1%HNO3 / 5%HCl					Prepared in 50 ml 1%HNO3/5%HCl				
STD 2 / CCV1 6010B/6010C/6010C					6010B/6010C ICV				
AMOUNT	STD	PREP DATE	EXP DATE		0.5ML	QCS ICV A	CPI	11C174-28548	09/17/12
25mL	STD 3	Today	1 week		0.5ML	QCS ICV B	CPI	11C174-28549	09/17/12
25mL	1%HNO3/5%HCl	Today	1 week		Prepared in 50ml 1%HNO3/5%HCl				
CCV2 6010B/6010C									
AMOUNT	STD	PREP DATE	EXP DATE						
15mL	STD 3	Today	1 week						
25mL	1%HNO3/5%HCl	Today	1 week						

SA 3-14-12

SA 3-14-12

Metals Digestion Worksheet

Method Name 3050B Digestion (GROSS UP) **Prep Method** M3050GROSSa **Set** 120312A **Units** mL

Spikes	
Spiked ID 1	LCSW LOT# #1032278-30261
Spiked ID 2	LCSW LOT# #1032271-30259
Spiked ID 3	
Spiked ID 4	
Spiked By	LO Date: 03/12/12 9:00:00 AM
Witnessed By	KWS Date: 03/12/12 9:00:00 AM

Starting Temp:	95 C
Ending Temp:	95 C
Temperature Type:	Mod Block
Sufficient Vol for Matrix QC:	YES
End Date/Time	03/12/12 10:45

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	120312A Blk				1.00g	100mL	03/12/12 9:00	equip: Modblock1
2	120312A LCS		1mL	1+2	1.00g	100mL	03/12/12 9:00	equip: Modblock1
3	AY56657	AY56657S01			1.12g	100mL	03/12/12 9:00	equip: Modblock1
4	AY56658	AY56658S01			1.11g	100mL	03/12/12 9:00	equip: Modblock1
5	AY56659	AY56659S01			1.13g	100mL	03/12/12 9:00	equip: Modblock1
6	AY56660	AY56660S01			1.14g	100mL	03/12/12 9:00	equip: Modblock1
7	AY56661	AY56661S01			1.09g	100mL	03/12/12 9:00	equip: Modblock1
8	AY56661 MS	AY56661S01	2mL	1+2	1.09g	100mL	03/12/12 9:00	equip: Modblock1
9	AY56661 MSD	AY56661S01	2mL	1+2	1.09g	100mL	03/12/12 9:00	equip: Modblock1

Solvent and Lot#
1:1 HNO3 NA
HNO3 J.T.B K47023 0153
H2O2 EMD NA
HCL BDH 4111060 0152

Sample COC Transfer	
Sample prep employee Initials	LO
Analyst's initials	ZA
Date	3-12-12
Time	10:45
Moved to	Metals

Technicians Initials	
Scanned By	NM
Sample Preparation	NM
Digestion	NM
Bring up to volume	LO
Modified	03/12/12 3:16:54 PM

Reviewed By: ZA **Date:** 3-12-12

MERCURY

EPA Method 7471B

APPL, INC.

MERCURY

EPA Method 7471B

AFCEE Forms

APPL, INC.

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 7471B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120312A-164750
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-US06	AY56657
B4-US05	AY56658
B4-US03	AY56659
B4-US08	AY56660
B4-US01	AY56661

Comments: ARF: 67172

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

Signature: _____ Name: Diane Anderson

Date: 3-20-12 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120312A-164750
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-US06 Lab Sample ID: AY56657 Matrix: Soil
% Solids: 89.0 Initial Calibration ID: 120312A
Date Received: 09-Mar-12 Date Prepared: 12-Mar-12 Date Analyzed: 12-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.05	1	F

Comments: ARF: 67172

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120312A-164750
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-US05 Lab Sample ID: AY56658 Matrix: Soil
% Solids: 89.8 Initial Calibration ID: 120312A
Date Received: 09-Mar-12 Date Prepared: 12-Mar-12 Date Analyzed: 12-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.08	1	F

Comments: ARF: 67172

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120312A-164750
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-US03 Lab Sample ID: AY56659 Matrix: Soil
% Solids: 88.6 Initial Calibration ID: 120312A
Date Received: 09-Mar-12 Date Prepared: 12-Mar-12 Date Analyzed: 12-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.04	1	F

Comments: ARF: 67172

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120312A-164750
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-US08 Lab Sample ID: AY56660 Matrix: Soil
% Solids: 88.1 Initial Calibration ID: 120312A
Date Received: 09-Mar-12 Date Prepared: 12-Mar-12 Date Analyzed: 12-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.30	1	

Comments: ARF: 67172

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120312A-164750
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-US01 Lab Sample ID: AY56661 Matrix: Soil
% Solids: 91.5 Initial Calibration ID: 120312A
Date Received: 09-Mar-12 Date Prepared: 12-Mar-12 Date Analyzed: 12-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	1.27	1	

Comments: ARF: 67172

AFCEE
INORGANIC ANALYSES DATA SHEET 3
MERCURY INITIAL MULTIPOINT CALIBRATION

Analytical Method: 7471B
AAB #: 120312A-164750
Lab Name: APPL, Inc
Contract #: *G012
Instrument ID: PE300
Date of Initial Calibration: 12-Mar-12
Initial Calibration ID: 120312A
Concentration Units (mg/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	r	Q
Mercury	0.000208	0.004	0.000521	0.009	0.001042	0.020	0.002083	0.038	0.005208	0.093	0.99997	

r = correlation coefficient

Comments:

AFCEE FORM I-3A

AFCEE
INORGANIC ANALYSES DATA SHEET 3
MERCURY INITIAL MULTIPOINT CALIBRATION

Analytical Method: 7471B
AAB #: 120312A-164750
Lab Name: APPL, Inc
Contract #: *G012
Instrument ID: PE300
Date of Initial Calibration: 12-Mar-12
Initial Calibration ID: 120312A
Concentration Units (mg/L or mg/kg): mg/kg

Analyte	Std 6	RF 6									r	Q
Mercury	0.010420	0.188									0.99997	

r = correlation coefficient

Comments:

AFCEE FORM I-3A

AFCEB
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 7471B

AAB #: 120312A-164750

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: PE300

Initial Calibration ID: 120312A

2nd Source ID: ICV 03/12/12 11:37

ICV ID: ICV 03/12/12 11:37

CCV #1 ID: CCV 03/12/12 11:41

CCV #2 ID: CCV 03/12/12 12:03

Concentration Units (mg/L or mg/kg) mg/Kg

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury (Hg)	0.00417	0.00425	1.8%	0.00417	0.00425	1.8%	0.005208	0.00531	1.9%	0.00567	8.9%	

Comments:

AFCEB FORM I-4 Page 1 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 7471B

AAB #: 120312A-164750

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: PE300

Initial Calibration ID: 120312A

2nd Source ID: ICV 03/12/12 11:37

ICV ID: ICV 03/12/12 11:37

CCV #1 ID: CCV 03/12/12 12:25

CCV #2 ID:

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury (Hg)	0.00417	0.00425	1.8%	0.00417	0.00425	1.8%	0.005208	0.00560	7.6%			

Comments:

AFCEE FORM I-4 Page 2 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANK

Analytical Method: EPA 7471B
AAB #: 120312A-164750
Lab Name: APPL, Inc
Contract #: *G012
Concentration Units: mg/kg
Method Blank ID: 120312A-BLK
Initial Calibration ID: 120312A

Analyte	Method Blank	RL	Q
MERCURY (HG)	< RL	0.1	U

Comments: ARF: 67172, Sample: AY56661

AFCBE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 7471B AAB #: 120312A-164750

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg): mg/kg

Initial Calibration Blank ID: ICB 03/12/12 11:40 Initial Calibration ID: 120312A

CCB #1 ID: CCB 03/12/12 11:44 CCB #2 ID: CCB 03/12/12 12:06 CCB #3 ID: CCB 03/12/12 12:27

Method Blank ID: 120312A-BLK Initial Calibration ID: 120312A

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Mercury (Hg)	<RL	<RL	<RL	<RL	<RL	0.1	

Comments:

AFCBE FORM I-5 Page 1 of 1

AFCEE
INORGANIC ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 7471B
AAB #: 120312A-164750
Lab Name: APPL, Inc
Contract #: *G012
LCS ID: 120312A LCS
Initial Calibration ID: 120312A
Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
MERCURY (HG)	0.67	0.70	104	77-120	

Comments: ARF: 67172, Sample: AY56661

AFCEE
INORGANIC ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: EPA 7471B AAB#: 120312A-164750

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
B4-US01	08-Mar-12	09-Mar-12	12-Mar-12	28	4	
B4-US03	08-Mar-12	09-Mar-12	12-Mar-12	28	4	
B4-US05	08-Mar-12	09-Mar-12	12-Mar-12	28	4	
B4-US06	08-Mar-12	09-Mar-12	12-Mar-12	28	4	
B4-US08	08-Mar-12	09-Mar-12	12-Mar-12	28	4	

Comments: ARF: 67172

AFCEE
INORGANIC ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 7471B ICAL ID: 120312A

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: PE300

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
Calib Blank	12-Mar-12	11:22	12-Mar-12	11:22
0.208	12-Mar-12	11:23	12-Mar-12	11:23
0.520833	12-Mar-12	11:25	12-Mar-12	11:25
1.041667	12-Mar-12	11:26	12-Mar-12	11:26
2.083333	12-Mar-12	11:28	12-Mar-12	11:28
5.208	12-Mar-12	11:30	12-Mar-12	11:30
10.417	12-Mar-12	11:32	12-Mar-12	11:32
ICV	12-Mar-12	11:37	12-Mar-12	11:37
ICB	12-Mar-12	11:40	12-Mar-12	11:40
CCV	12-Mar-12	11:41	12-Mar-12	11:41
CCB	12-Mar-12	11:44	12-Mar-12	11:44
120312A-BLK	12-Mar-12	11:47	12-Mar-12	11:47
120312A-LCS	12-Mar-12	11:49	12-Mar-12	11:49
AY56657S01	12-Mar-12	11:53	12-Mar-12	11:53
AY56658S01	12-Mar-12	11:55	12-Mar-12	11:55
AY56659S01	12-Mar-12	11:56	12-Mar-12	11:56
AY56660S01	12-Mar-12	11:57	12-Mar-12	11:57
AY56661S01	12-Mar-12	11:59	12-Mar-12	11:59
CCV	12-Mar-12	12:03	12-Mar-12	12:03
CCB	12-Mar-12	12:06	12-Mar-12	12:06
AY56661S01-1/5	12-Mar-12	12:16	12-Mar-12	12:16
CCV	12-Mar-12	12:25	12-Mar-12	12:25
CCB	12-Mar-12	12:27	12-Mar-12	12:27

Sample_ID	EL	Date	Time	Mean_SA	Units	Batch_ID	Wt	Dilu
Calib Blank	Hg	03/12/12	11:22:43		µg/L			
0.2083 03-12-12 LO	Hg	03/12/12	11:23:56		µg/L			
0.520833	Hg	03/12/12	11:25:09		µg/L			
1.041667	Hg	03/12/12	11:26:23		µg/L			
2.083333	Hg	03/12/12	11:28:25		µg/L			
5.206	Hg	03/12/12	11:30:27		µg/L			
10.417	Hg	03/12/12	11:32:31		µg/L			
ICV 03-12-12 LO	Hg	03/12/12	11:37:27	4.246689	µg/L			
ICB 03-12-12 LO	Hg	03/12/12	11:40:11	0.112266	µg/L			
CCV 03-12-12 LO	Hg	03/12/12	11:41:26	5.30792	µg/L			
CCB 03-12-12 LO	Hg	03/12/12	11:44:30	0.129274	µg/L			
120312A BLK	Hg	03/12/12	11:47:16	0.005551	mg/kg	120312A-7471GROSS	0.6	
~~120312A BLK~~	~~Hg~~	~~03/12/12~~	~~11:48:31~~	~~0.002961~~	~~mg/kg~~	~~120312A-7471MIS~~	~~2.5~~	—
120312A LCS	Hg	03/12/12	11:49:44	0.700305	mg/kg	120312A-7471GROSS	0.6	
~~120312A LCS~~	~~Hg~~	~~03/12/12~~	~~11:51:45~~	~~0.175122~~	~~mg/kg~~	~~120312A-7471MIS~~	~~2.5~~	—
AY56657S01	Hg	03/12/12	11:53:46	0.041422	mg/kg	120312A-7471GROSS	0.67	
AY56656S01	Hg	03/12/12	11:55:00	0.071336	mg/kg	120312A-7471GROSS	0.67	
AY56659S01	Hg	03/12/12	11:56:14	0.033003	mg/kg	120312A-7471GROSS	0.68	
AY56660S01	Hg	03/12/12	11:57:27	0.263415	mg/kg	120312A-7471GROSS	0.66	
AY56661S01	Hg	03/12/12	11:59:30	1.160416	mg/kg	120312A-7471GROSS	0.66	
~~AY56661S01 MS~~	~~Hg~~	~~03/12/12~~	~~12:01:33~~	~~1.856017~~	~~mg/kg~~	~~120312A-7471GROSS~~	~~0.66~~	—
CCV 03-12-12 LO	Hg	03/12/12	12:03:37	5.672228	µg/L			
CCB 03-12-12 LO	Hg	03/12/12	12:06:02	0.194257	µg/L			
~~AY56661S01 MSD~~	~~Hg~~	~~03/12/12~~	~~12:11:29~~	~~1.840928~~	~~mg/kg~~	~~120312A-7471GROSS~~	~~0.66~~	—
~~AY56661S01-A~~	~~Hg~~	~~03/12/12~~	~~12:14:12~~	~~1.728154~~	~~mg/kg~~	~~120312A-7471GROSS~~	~~0.66~~	—
AY56661S01-1/5	Hg	03/12/12	12:16:33	1.210425	mg/kg	120312A-7471GROSS	0.66	5
~~AY55787S01~~	~~Hg~~	~~03/12/12~~	~~12:18:37~~	~~0.179729~~	~~mg/kg~~	~~120312A-7471MIS~~	~~2.54~~	—
~~AY55787S01 MS~~	~~Hg~~	~~03/12/12~~	~~12:20:42~~	~~0.31485~~	~~mg/kg~~	~~120312A-7471MIS~~	~~2.54~~	—
~~AY55787S01 MSD~~	~~Hg~~	~~03/12/12~~	~~12:22:45~~	~~0.365572~~	~~mg/kg~~	~~120312A-7471MIS~~	~~2.54~~	—
CCV 03-12-12 LO	Hg	03/12/12	12:25:04	5.603553	µg/L			
CCB 03-12-12 LO	Hg	03/12/12	12:27:39	0.09101	µg/L			

R=0.99997

A.P.P.L. INC.

9

CVAA SERIAL DILUTION

CLIENT SAMPLE NO.

AY56661S01

Lab Name: APPL, INC. Contract: PARSONS

Lab Code: $HGAFBS ARF No.: 67172 SAS No.: SDG No.: 67172

Matrix (soil/water): SOIL

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	1.16		1.21		4.3		

03/12/12 11:59 AY56661S01

03/12/12 12:16 AY56661S01-1/5

FORM IX - IN ILM02.0

MERCURY

EPA Method 7471B

Calibration Data

APPL, INC.

Parsons

Hg BY METHOD 7471B ARF#67172
QCG 120312A-7471GROSS
ANALYSIS DATE: 03/12/12

R=0.99997

NAME	TRUE	RESULT	% RECOVERY
ICV	4.17ppb	4.247	101.8%
ICB	0ppb	0.112	
CCV-1	5.208ppb	5.308	101.9%
CCB-1	0ppb	0.129	
CCV-2	5.208ppb	5.672	108.9%
CCB-2	0ppb	0.194	
CCV-3	5.208ppb	5.604	107.6%
CCB-3	0ppb	0.091	

Method Name: Hg-7471 - KWS Element: Hg

Date: 03/12/2012
Results Data Set: 120312A-7471GRO

Element: Hg Seq. No.: 9 Date: 03/12/2012
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.001	11:21:27

Auto-zero performed.

Element: Hg Seq. No.: 10 Date: 03/12/2012
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.000	11:22:32
2			0.000	11:22:38
3			0.000	11:22:43
Mean:			0.000	
SD :			0.000	
%RSD:			110.82	

Auto-zero performed.

Element: Hg Seq. No.: 11 Date: 03/12/2012
Sample ID: 0.2083 03-12-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.004	11:23:46
2			0.004	11:23:51
3			0.004	11:23:56
Mean:			0.004	
SD :			0.000	
%RSD:			6.27	

Standard number 1 applied. [0.2083333]
Correlation Coefficient: 1.0000 Slope: 0.0189

Element: Hg Seq. No.: 12 Date: 03/12/2012
Sample ID: 0.520833

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.009	11:24:59
2			0.009	11:25:04
3			0.010	11:25:09
Mean:			0.009	
SD :			0.000	
%RSD:			4.14	

Standard number 2 applied. [0.520833]
Correlation Coefficient: 0.9992 Slope: 0.0182

Element: Hg Seq. No.: 13 Date: 03/12/2012
Sample ID: 1.041667

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.019	11:26:12
2			0.020	11:26:17
3			0.020	11:26:23
Mean:			0.020	
SD :			0.001	
%RSD:			2.54	

Standard number 3 applied. [1.041667]
Correlation Coefficient: 0.9993 Slope: 0.0188
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 14 Date: 03/12/2012
Sample ID: 2.083333

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.036	11:28:14
2			0.038	11:28:19
3			0.040	11:28:25
Mean:			0.038	
SD :			0.002	
%RSD:			5.60	

Standard number 4 applied. [2.083333]
Correlation Coefficient: 0.9997 Slope: 0.0184
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 15 Date: 03/12/2012
Sample ID: 5.208

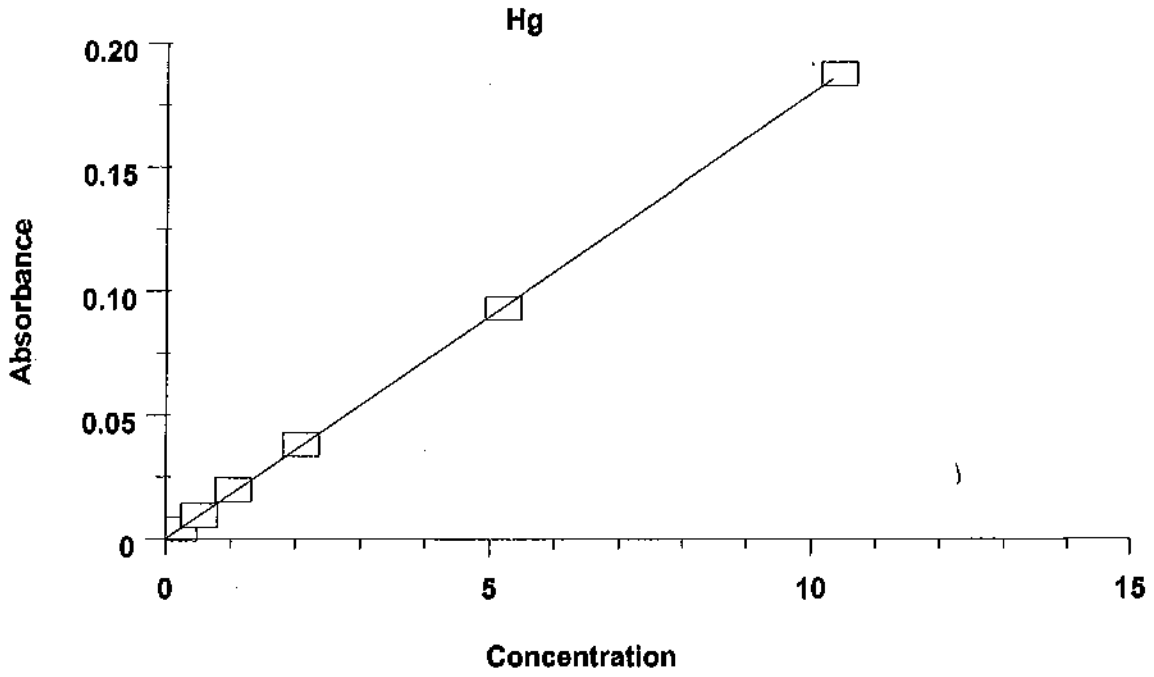
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.089	11:30:17
2			0.094	11:30:22
3			0.097	11:30:27
Mean:			0.093	
SD :			0.004	
%RSD:			4.50	

Standard number 5 applied. [5.208]
Correlation Coefficient: 0.9999 Slope: 0.0180
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 16 Date: 03/12/2012
Sample ID: 10.417

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.180	11:32:20
2			0.190	11:32:25
3			0.195	11:32:31
Mean:			0.188	
SD :			0.008	
%RSD:			4.17	

Standard number 6 applied. [10.417]
Correlation Coefficient: 1.0000 Slope: 0.0181



Calibration data for Hg

Standard ID	Mean Signal (Absorbance)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	----	0.000	0.000097	
0.2083 03-12-12 LO	0.004	0.2083333	0.2176	0.000247	6.274565
0.520833	0.009	0.520833	0.5201	0.000389	4.143651
1.041667	0.020	1.041667	1.093	0.000503	2.543806
2.083333	0.038	2.083333	2.110	0.002135	5.600604
5.208	0.093	5.208	5.174	0.004209	4.502511
10.417	0.188	10.417	10.42	0.007863	4.174857

Correlation Coefficient: 0.99997 Slope: 0.01807

MERCURY

EPA Method 7471B

Raw Data

APPL, INC.

Element: Hg Seq. No.: 17 Date: 03/12/2012
Sample ID: ICV 03-12-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	4.030	4.030	0.073	11:37:17
2	4.278	4.278	0.077	11:37:22
3	4.433	4.433	0.080	11:37:27
Mean:	4.247	4.247	0.077	
SD :	0.2032	0.2032	0.004	
%RSD:	4.79	4.79	4.79	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 18 Date: 03/12/2012
Sample ID: ICB 03-12-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.1146	0.1146	0.002	11:40:00
2	0.1168	0.1168	0.002	11:40:05
3	0.1054	0.1054	0.002	11:40:11
Mean:	0.1123	0.1123	0.002	
SD :	0.006069	0.006069	0.000	
%RSD:	5.41	5.41	5.41	

QC value within specified limits.

Element: Hg Seq. No.: 19 Date: 03/12/2012
Sample ID: CCV 03-12-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.063	5.063	0.091	11:41:15
2	5.348	5.348	0.097	11:41:20
3	5.512	5.512	0.100	11:41:26
Mean:	5.308	5.308	0.096	
SD :	0.2275	0.2275	0.004	
%RSD:	4.29	4.29	4.29	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 20 Date: 03/12/2012
Sample ID: CCB 03-12-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.1152	0.1152	0.002	11:44:20
2	0.1277	0.1277	0.002	11:44:25
3	0.1450	0.1450	0.003	11:44:30
Mean:	0.1293	0.1293	0.002	
SD :	0.01496	0.01496	0.000	
%RSD:	11.57	11.57	11.57	

QC value within specified limits.

Method Name: Hg-7471 - KW8 Element: Hg

Date: 03/12/2012
Results Data Set: 120312A-7471GRO

Element: Hg Seq. No.: 21 Date: 03/12/2012
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.1288	0.1288	0.002	11:45:53

Auto-zero performed.

Element: Hg Seq. No.: 22 Date: 03/12/2012
Sample ID: 120312A BLK

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.005826	0.03641	0.001	11:47:06
2	0.005688	0.03555	0.001	11:47:11
3	0.005138	0.03211	0.001	11:47:16
Mean:	0.005551	0.03469	0.001	
SD :	0.000364	0.002275	0.000	
%RSD:	6.56	6.56	6.56	

Element: Hg Seq. No.: 23 Date: 03/12/2012
Sample ID: 120312A BLK

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.002839	0.07393	0.001	11:48:20
2	0.002740	0.07135	0.001	11:48:25
3	0.003305	0.08607	0.002	11:48:31
Mean:	0.002961	0.07712	0.001	
SD :	0.000302	0.007858	0.000	
%RSD:	10.19	10.19	10.19	

Element: Hg Seq. No.: 24 Date: 03/12/2012
Sample ID: 120312A LCS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.6721	4.201	0.076	11:49:33
2	0.7058	4.411	0.080	11:49:39
3	0.7230	4.519	0.082	11:49:44
Mean:	0.7003	4.377	0.079	
SD :	0.02588	0.1618	0.003	
%RSD:	3.70	3.70	3.70	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 25 Date: 03/12/2012
Sample ID: 120312A LCS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.1681	4.379	0.079	11:51:34
2	0.1762	4.589	0.083	11:51:39
3	0.1810	4.713	0.085	11:51:45
Mean:	0.1751	4.560	0.082	
SD :	0.006497	0.1692	0.003	
%RSD:	3.71	3.71	3.71	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 26 Date: 03/12/2012
Sample ID: AY56657S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.04283	0.2989	0.005	11:53:35
2	0.04183	0.2919	0.005	11:53:41
3	0.03961	0.2764	0.005	11:53:46
Mean:	0.04142	0.2891	0.005	
SD :	0.001651	0.01152	0.000	
%RSD:	3.98	3.98	3.98	

Element: Hg Seq. No.: 27 Date: 03/12/2012
Sample ID: AY56658S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.06686	0.4666	0.008	11:54:49
2	0.07458	0.5205	0.009	11:54:54
3	0.07257	0.5065	0.009	11:55:00
Mean:	0.07134	0.4979	0.009	
SD :	0.004007	0.02796	0.001	
%RSD:	5.62	5.62	5.62	

Element: Hg Seq. No.: 28 Date: 03/12/2012
Sample ID: AY56659S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.03320	0.2352	0.004	11:56:03
2	0.03276	0.2320	0.004	11:56:09
3	0.03306	0.2341	0.004	11:56:14
Mean:	0.03300	0.2338	0.004	
SD :	0.000226	0.001600	0.000	
%RSD:	0.68	0.68	0.68	

Element: Hg Seq. No.: 29 Date: 03/12/2012
Sample ID: AY56660S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.2520	1.785	0.032	11:57:16
2	0.2668	1.890	0.034	11:57:22
3	0.2715	1.923	0.035	11:57:27
Mean:	0.2634	1.866	0.034	
SD :	0.01019	0.07220	0.001	
%RSD:	3.87	3.87	3.87	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 30 Date: 03/12/2012
Sample ID: AY56661S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	1.119	7.691	0.139	11:59:19
2	1.169	8.039	0.145	11:59:25
3	1.193	8.204	0.148	11:59:30
Mean:	1.160	7.978	0.144	
SD :	0.03807	0.2618	0.005	
%RSD:	3.28	3.28	3.28	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 31 Date: 03/12/2012
Sample ID: AY56661S01 MS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	1.793	12.33	0.223	12:01:22
Sample absorbance is greater than that of the highest standard.				
2	1.864	12.82	0.232	12:01:28
Sample absorbance is greater than that of the highest standard.				
3	1.911	13.14	0.237	12:01:33
Sample absorbance is greater than that of the highest standard.				
Mean:	1.856	12.76	0.231	
SD :	0.05920	0.4070	0.007	
%RSD:	3.19	3.19	3.19	

Sample absorbance is greater than that of the highest standard.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 32 Date: 03/12/2012
Sample ID: CCV 03-12-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.507	5.507	0.100	12:03:27
2	5.703	5.703	0.103	12:03:32
3	5.807	5.807	0.105	12:03:37
Mean:	5.672	5.672	0.102	
SD :	0.1519	0.1519	0.003	
%RSD:	2.68	2.68	2.68	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 33 Date: 03/12/2012
Sample ID: CCB 03-12-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.2143	0.2143	0.004	12:05:51
2	0.1878	0.1878	0.003	12:05:57
3	0.1806	0.1806	0.003	12:06:02
Mean:	0.1943	0.1943	0.004	
SD :	0.01774	0.01774	0.000	
%RSD:	9.13	9.13	9.13	

QC value within specified limits.

Element: Hg Seq. No.: 34 Date: 03/12/2012
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.1782	0.1782	0.003	12:09:22

Auto-zero performed.

Element: Hg Seq. No.: 35 Date: 03/12/2012
Sample ID: AY56661S01 MSD

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	1.781	12.25	0.221	12:11:18
Sample absorbance is greater than that of the highest standard.				
2	1.849	12.71	0.230	12:11:24
Sample absorbance is greater than that of the highest standard.				
3	1.892	13.01	0.235	12:11:29
Sample absorbance is greater than that of the highest standard.				
Mean:	1.841	12.66	0.229	
SD :	0.05595	0.3847	0.007	
%RSD:	3.04	3.04	3.04	

Sample absorbance is greater than that of the highest standard.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 36 Date: 03/12/2012
Sample ID: AY56661S01-A

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	1.700	11.69	0.211	12:14:02
Sample absorbance is greater than that of the highest standard.				
2	1.733	11.91	0.215	12:14:07
Sample absorbance is greater than that of the highest standard.				
3	1.751	12.04	0.218	12:14:12
Sample absorbance is greater than that of the highest standard.				
Mean:	1.728	11.88	0.215	
SD :	0.02573	0.1769	0.003	
%RSD:	1.49	1.49	1.49	

Sample absorbance is greater than that of the highest standard.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 37 Date: 03/12/2012
Sample ID: AY56661S01-1/5

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	1.187	1.632	0.029	12:16:22
2	1.200	1.650	0.030	12:16:27
3	1.244	1.711	0.031	12:16:33
Mean:	1.210	1.664	0.030	
SD :	0.03019	0.04151	0.001	
%RSD:	2.49	2.49	2.49	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 38 Date: 03/12/2012
Sample ID: AY55787S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.1729	4.575	0.083	12:18:26
2	0.1809	4.787	0.087	12:18:32
3	0.1853	4.903	0.089	12:18:37
Mean:	0.1797	4.755	0.086	
SD :	0.006284	0.1663	0.003	
%RSD:	3.50	3.50	3.50	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 39 Date: 03/12/2012
Sample ID: AY55787S01 MS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.3035	8.030	0.145	12:20:31
2	0.3163	8.370	0.151	12:20:37
3	0.3247	8.591	0.155	12:20:42
Mean:	0.3149	8.330	0.151	
SD :	0.01067	0.2824	0.005	
%RSD:	3.39	3.39	3.39	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 40 Date: 03/12/2012
Sample ID: AY55787S01 MSD

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.3536	9.355	0.169	12:22:34
2	0.3675	9.723	0.176	12:22:39
3	0.3757	9.940	0.180	12:22:45
Mean:	0.3656	9.672	0.175	
SD :	0.01118	0.2958	0.005	
%RSD:	3.06	3.06	3.06	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 41 Date: 03/12/2012
Sample ID: CCV 03-12-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.393	5.393	0.097	12:24:53
2	5.645	5.645	0.102	12:24:58
3	5.773	5.773	0.104	12:25:04
Mean:	5.604	5.604	0.101	
SD :	0.1934	0.1934	0.003	
%RSD:	3.45	3.45	3.45	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 42 Date: 03/12/2012
Sample ID: CCB 03-12-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.09214	0.09214	0.002	12:27:28
2	0.09745	0.09745	0.002	12:27:33
3	0.08344	0.08344	0.002	12:27:39
Mean:	0.09101	0.09101	0.002	
SD :	0.007072	0.007072	0.000	
%RSD:	7.77	7.77	7.77	

QC value within specified limits.

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Metals Standards Log Book # 34 Page # 063

RBS 2/17/12

KWS 2/17/12

Hg STANDARD

CPI Lot # 11D140-28885
10ug/ml in 1% HNO3 LOT#K47023
Prep.-Date 02/17/12
Exp. Date 03/16/12
By KWS

Manufacturer: J.T. Baker

Hg STOCK ICV

Ultra Scientific Lot #
K00200-26307
10ug/ml in 1% HNO3 LOT#K47023
Prep.Date 02/17/12
Exp. Date 03/16/12
By KWS
Manufacturer: J.T. Baker

STANNOUS CHLORIDE

125g SnCl2 MACRON Lot #K12620
100 mL HCl J.T. BAKER Lot #K29026
Brought to 500 mL with DI Water
Prep. Date 02/17/12
Exp. Date 02/16/13
By KWS

RBS 2/17/12

NBS 02/17/12

NBS 02/17/12
6020/6020A
(A)

ICP-MS STANDARDS 6020/6020A/3015/3051A
Today's Date: 02/17/12
Expires: 02/24/12
Prep 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL DI Water
Lot # K23022
20mL HCL / 2000mL DI Water
Lot #K43032
Expires: 02/24/12

Internal Standard Mix: Prep 02/16/2012

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1038407-28139
50 uL	CCV-B	Env. Express	1038410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 02/17/12

Standard 3 02/24/12

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1038407-28139
25 uL	CCV-B	Env. Express	1038410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 02/17/12

Standard 2 02/24/12
Amount STD
500 uL Standard 4 02/17/12
Prepared in 50 mL of 1% HNO3/1.0% HCL 02/17/12

Standard 1 02/24/12
Amount STD
50 uL Standard 4 02/17/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 02/17/12

ICP-MS ICV 02/24/12
Amount STD
50 uL QCS ICV A CPI 11C174-28548
50 uL QCS ICV B CPI 11C174-28549
Prepared in 50 mL of 1% HNO3/1.0% HCL 02/17/12

ICSA Prep: 02/24/12
1 mL ICSA CPI 11C068-28529
Prepared in 5 mL of 1% HNO3/1.0% HCL 02/17/12

ICSAB Prep: 02/24/12
1mL ICSA CPI 11C068-28529
0.025mL INT O2SI 1023605-28210
Prepared in 5 mL of 1% HNO3/1.0% HCL 02/17/12

ICP-LDR 02/24/12
Amount STD
50 uL CCV-A Env. Express 1038407-28139
50 uL CCV-B Env. Express 1038410-28140
50 uL CCV-C Env. Express 1100309-28141
Prepared in 10 mL of 1% HNO3/1.0% HCL 02/17/12

NBS 02/20/12

NBS 02/20/12

Internal Standard Concentration

Amt	STD	Element	Vendor	Lot#	Final Conc. In Std		Expires
500uL	1000 ug/mL	Li	CPI	10L079-27839	5000 ug/L		06/10/12
500uL	1000 ug/mL	In	CPI	10J155-28574	5000 ug/L		09/25/12
500uL	1000 ug/mL	Ho	CPI	10A107-28576	5000 ug/L		09/25/12
500uL	1000 ug/mL	Tb	CPI	11B054-28575	5000 ug/L		09/25/12
500uL	1000 ug/mL	Sc	o2si	1024073-28527	5000 ug/L		08/18/12
500uL	1000 ug/mL	Ge	Environmental Express	1116011-29381	5000 ug/L		02/08/13

Prep:	02/20/12	NBS	Prep In -	1%HNO3/1.0%HCL:	Lot #KK23022/43032	In 100mL
Expires:	03/21/12					

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Standards Log Book # 34 Page # 078

NBS 03/09/12
6020/6020A
(A)

NBS 03/09/12

ICP-MS STANDARDS 6020/6020A/3015/3051A
Today's Date: 03/09/12
Expires: 03/16/12
Prep 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL Di Water
Lot # K23022
20mL HCL / 2000mL Di Water
Lot #K43032
Expires: 03/16/12

Internal Standard Mix: Prep 03/09/2012

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 03/09/12

Standard 3 03/16/12

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1036407-28139
25 uL	CCV-B	Env. Express	1036410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 03/09/12

NBS 03/09/12

Standard 2 03/16/12
Amount STD
500 uL Standard 4
Prepared in 50 mL of 1% HNO3/1.0% HCL 03/09/12 03/09/12

Standard 1 03/16/12
Amount STD
50 uL Standard 4 03/09/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/09/12

ICP-MS ICV 03/16/12

Amount	STD		
50 uL	QCS ICV A	CPI	11C174-28548
50 uL	QCS ICV B	CPI	11C174-28549

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/09/12

ICSA Prep: 03/16/12

1 mL	ICSA	CPI	11C066-28529

Prepared in 5 mL of 1% HNO3/1.0% HCL 03/09/12

ICSAB Prep: 03/16/12

1mL	ICSA	CPI	11C066-28529
0.025mL	INT	O2SI	1023805-28210

Prepared in 5 mL of 1% HNO3/1.0% HCL 03/09/12

ICP-LDR 03/16/12

Amount	STD		
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 10 mL of 1% HNO3/1.0% HCL 03/09/12

NBS 03/09/12

Internal Standard Concentration

Amt	STD	Element	Vendor	Lot#	Final Conc. in Std	Expires
500uL	1000 ug/mL	Li	CPI	10L079-27839	5000 ug/L	06/10/12
500uL	1000 ug/mL	In	CPI	10J155-28574	5000 ug/L	09/25/12
500uL	1000 ug/mL	Ho	CPI	10A107-28576	5000 ug/L	09/25/12
500uL	1000 ug/mL	Tb	CPI	11B054-28575	5000 ug/L	09/25/12
500uL	1000 ug/mL	Sc	o2si	1024073-28527	5000 ug/L	08/18/12
500uL	1000 ug/mL	Ge	Environmental Express	1116011-29381	5000 ug/L	02/08/13

Prep:	03/09/12	NBS	Prep in -	1%HNO3/1.0%HCL:	Lot #KK23022/43032	in 100mL
Expires:	04/08/12					

NBS 03/12/12
6020/6020A
(A)

NBS 03/12/12

ICP-MS STANDARDS 6020/6020A/3015/3051A
Today's Date: 03/12/12
Expires: 03/19/12
Prep 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL Di Water
Lot # K23022
20mL HCL / 2000mL Di Water
Lot #K43032
Expires: 03/18/12

Internal Standard Mix: Prep 03/09/2012

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 03/12/12

Standard 3 03/19/12

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1036407-28139
25 uL	CCV-B	Env. Express	1036410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 03/12/12

NBS 03/12/12

Standard 2 03/19/12
Amount STD
500 uL Standard 4
Prepared in 50 mL of 1% HNO3/1.0% HCL 03/12/12 03/12/12

Standard 1 03/19/12
Amount STD
50 uL Standard 4 03/12/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/12/12

ICP-MS ICV 03/19/12

Amount	STD		
50 uL	QCS ICV A	CPI	11C174-28548
50 uL	QCS ICV B	CPI	11C174-28549

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/12/12

ICSA Prep: 03/19/12

1 mL	ICSA	CPI	11C066-28529

Prepared in 5 mL of 1% HNO3/1.0% HCL 03/12/12

ICSAB Prep: 03/19/12

1mL	ICSA	CPI	11C066-28529
0.025mL	INT	O2SI	1023805-28210

Prepared in 5 mL of 1% HNO3/1.0% HCL 03/12/12

ICP-LDR 03/19/12

Amount	STD		
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 10 mL of 1% HNO3/1.0% HCL 03/12/12

Prep 3/12/12 Hg Working STD. Prep'd As Per 3/7/12 - COS 3/12/12

_M7471GRO

Mercury Digestion Worksheet

Method Name 7471A Mercury Digestion (GROSS UP **Prep Method** M7471GRO **Set** 120312A **Units** mL

Spikes	
Spiked ID 1	Hg WORKING STANDARD prep 03-12-12
Spiked ID 2	Hg WORKING ICV prep 03-12-12
Spiked ID 3	
Spiked ID 4	
Spiked By	LO Date: 03/12/12 9:00:00 AM
Witnessed By	KWS Date: 03/12/12 9:00:00 AM

Starting Temp:	95 C
Ending Temp:	95 C
Temp Type:	Modblock1
End Date/Time	03/12/12 9:50:00 AM

Mercury Calibration

Sample	Spike Amount	Spike ID	Final Volume
0 ppb		1	96 ml
0.2 ppb	0.4 ml	1	96 ml
0.5 ppb	1 ml	1	96 ml
1 ppb	2 ml	1	96 ml
2 ppb	4 ml	1	96 ml
5 ppb	10 ml	1	96 ml
5 ppb	10 ml	1	96 ml
10 ppb	20 ml	1	96 ml
ICV	8 ml	2	96 ml

Start Date/Time of Calibration 03/12/12 9:00

Sufficient Vol for Matrix QC: YES

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	120312A Blk				0.60g	96mL	03/12/12 9:00	equip: Modblock1
2	120312A LCS		8mL	1	0.60g	96mL	03/12/12 9:00	equip: Modblock1
3	AY56657	AY56657S01			0.67g	96mL	03/12/12 9:00	equip: Modblock1
4	AY56658	AY56658S01			0.67g	96mL	03/12/12 9:00	equip: Modblock1
5	AY56659	AY56659S01			0.68g	96mL	03/12/12 9:00	equip: Modblock1
6	AY56660	AY56660S01			0.68g	96mL	03/12/12 9:00	equip: Modblock1
7	AY56661	AY56661S01			0.66g	96mL	03/12/12 9:00	equip: Modblock1
8	AY56661 MS	AY56661S01	8mL	1	0.66g	96mL	03/12/12 9:00	equip: Modblock1
9	AY56661 MSD	AY56661S01	8mL	1	0.66g	96mL	03/12/12 9:00	equip: Modblock1

Solvent and Lots
AQUAREGIA 2-16-12
KMnO4 12-15-11
DECOLORIZER 12-14-11

Sample COC Transfer	
Sample prep employee Initials	LO
Analyst's initials	RA
Date	3-12-12
Time	9:50
Moved to	Metals

Technician's Initials	
Scanned By	NM
Sample Preparation	NM
Digestion	NM
Bring up to volume	LO
Modified	03/12/12 3:09:14 PM

Reviewed By: RA Date: 3-12-12

Wetlab Results

ARF: 67172

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Parsons
8000 Centre Park Drive Ste 200
Austin, TX 78754

Attn: Tammy Chang

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
APPL ID: AY56657 -Client Sample ID: B4-US06			-Sample Collection Date: 03/08/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	11.0	2.0	%	03/09/12	03/10/12
APPL ID: AY56658 -Client Sample ID: B4-US05			-Sample Collection Date: 03/08/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	10.2	2.0	%	03/09/12	03/10/12
APPL ID: AY56659 -Client Sample ID: B4-US03			-Sample Collection Date: 03/08/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	11.4	2.0	%	03/09/12	03/10/12
APPL ID: AY56660 -Client Sample ID: B4-US08			-Sample Collection Date: 03/08/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	11.9	2.0	%	03/09/12	03/10/12
APPL ID: AY56661 -Client Sample ID: B4-US01			-Sample Collection Date: 03/08/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	8.5	2.0	%	03/09/12	03/10/12

Printed: 03/19/12 11:43:03 AM

% Moisture

Batch: QCG 120309-M003970

Method: CLP 4.0

Date: 03/09/12 18:42

Sample	Container	Pan (g)	Pan+Wet (g)	Pan+Dry 1 (g)	Pan+Dry 2 (g)	Moisture (%)	Comments
AY56661	s01	0.8166 03/09/12 18:42	6.6968 03/09/12 18:42	6.1986 03/10/12 12:54	6.1985 03/10/12 12:54	8.474	AY56661S01
AY56660	s01	0.8126 03/09/12 18:41	7.8344 03/09/12 18:41	7.0010 03/10/12 12:54	7.0010 03/10/12 12:54	11.869	AY56660S01
AY56659	s01	0.8208 03/09/12 18:40	8.1732 03/09/12 18:40	7.3372 03/10/12 12:53	7.3373 03/10/12 12:53	11.369	AY56659S01
AY56658	s01	0.8227 03/09/12 18:39	8.1405 03/09/12 18:40	7.3924 03/10/12 12:53	7.3925 03/10/12 12:53	10.222	AY56658S01
AY56657	s01	0.8107 03/09/12 18:38	6.7477 03/09/12 18:39	6.0961 03/10/12 12:53	6.0961 03/10/12 12:53	10.975	AY56657S01
AY56621D	m01	0.8104 03/09/12 18:37	7.6044 03/09/12 18:38	7.4796 03/10/12 12:53	7.4794 03/10/12 12:53	1.840	AY56621M01
AY56621	m01	0.8256 03/09/12 18:36	7.8907 03/09/12 18:37	7.7570 03/10/12 12:53	7.7570 03/10/12 12:53	1.892	AY56621M01

Date/Time InOven@104°C	Date/Time OutOven@104°C	Date/Time InOven@104°C	Date/Time OutOven@104°C
03/09/12 6:42:00 PM			03/10/12 12:53:00 PM

Date	Initials	Balance	Weight	Reading	Lower Limit	Upper Limit	Comments / Is the Bubble Centered?
3/8/12	BB	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0007 g	19.9800	20.0200	
		Mettler AT200	50g	50.0016 g	49.9500	50.0500	
		Mettler AT200	100g	100.0031 g	99.9000	100.1000	
		Mettler AT200	150g	150.0047 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	1000.01 g	980.00	1020.00	
		OHAUS ARC120	2kg	2000.00 g	1960.00	2040.00	
3-9-12	CK	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0003 g	19.9800	20.0200	
		Mettler AT200	50g	50.0015 g	49.9500	50.0500	
		Mettler AT200	100g	100.0029 g	99.9000	100.1000	
		Mettler AT200	150g	150.0044 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	999.96 g	980.00	1020.00	
		OHAUS ARC120	2kg	2000.00 g	1960.00	2040.00	
3/10/12	BB						
		Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0008 g	19.9800	20.0200	
		Mettler AT200	50g	50.0018 g	49.9500	50.0500	
		Mettler AT200	100g	100.0032 g	99.9000	100.1000	
		Mettler AT200	150g	150.0049 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	g	0.08	0.12	
		OHAUS ARC120	0.5g	g	0.48	0.52	
		OHAUS ARC120	1g	g	0.98	1.02	
		OHAUS ARC120	100g	g	98.00	102.00	
		OHAUS ARC120	1kg	g	980.00	1020.00	
		OHAUS ARC120	2kg	g	1960.00	2040.00	
3-12-12	CK						
		Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0006 g	19.9800	20.0200	
		Mettler AT200	50g	50.0013 g	49.9500	50.0500	
		Mettler AT200	100g	100.0026 g	99.9000	100.1000	
		Mettler AT200	150g	150.0039 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	999.97 g	980.00	1020.00	
		OHAUS ARC120	2kg	1999.98 g	1960.00	2040.00	

not used

not used

DATA VERIFICATION SUMMARY REPORT

for B4 samples collected from

CAMP STANLEY STORAGE ACTIVITY

BOERNE, TEXAS

Data Verification by: Tammy Chang
Parsons - Austin

INTRODUCTION

The following data verification summary report covers three soil samples collected from B4 at Camp Stanley Storage Activity (CSSA) on March 12, 2012. The samples were assigned to the following Sample Delivery Group (SDG):

67194

The samples in this SDG were analyzed for metals.

All samples were collected by Parsons and analyzed by APPL, Inc. following the procedures outlined in the Statement of Work and CSSA QAPP, Version 1.0. The samples in this SDG were shipped to the laboratory in one cooler. The cooler was received by the laboratory at a temperature of 2.5ºC, which was within the 2-6ºC range recommended by the CSSA QAPP.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, Version 1.0. Information reviewed in the data package included sample results; laboratory quality control samples; calibrations; case narratives; raw data; chain-of-custody (COC) forms and the sample receipt checklist. The findings presented in this report are based on the reviewed information, and whether the guidelines in the CSSA QAPP, Version 1.0, were met.

ICP-AES Metals

General

The ICP-AES metal portion of this SDG consisted of three (3) soil samples for the analysis of arsenic, barium, cadmium, chromium, copper, nickel, lead, and zinc.

The metal analyses were performed using USEPA SW846 Method 6010B. The samples were analyzed following the procedures outlined in the Work Plan. All samples were prepared and analyzed within the holding time required by the method and the Work Plan.

These samples were digested in batch #164961. All analyses were performed undiluted.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the laboratory control sample (LCS).

The LCS recoveries for all target metals were within acceptance criteria.

Precision

Precision could not be evaluated due to the lack of duplicate analyses.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the Work Plan;
- Comparing actual analytical procedures to those described in the Work Plan;
- Evaluating preservation and holding times; and
- Examining laboratory blanks for cross contamination of samples during sample analysis.

All samples were analyzed following the COC and the analytical procedures described in the Work Plan. All samples were prepared and analyzed within the holding times required by the method.

- All instrument initial calibration criteria were met.
- Low-level check standard met the criteria.
- All second source criteria were met. The initial calibration verification (ICV) sample was prepared using a secondary source.
- All continuing calibration verification (CCV) criteria were met.
- All interference check (ICSA/ICSAB) criteria were met.
- The dilution test (DT) was performed on sample B4-NT1-BOT06. This test was applicable to metals listed below:

Metal	%D	Criteria
Barium	**33**	%D ≤ 10
Chromium	**12**	
Copper	**18**	
Lead	**27**	

- The post digestion spike (PDS) was performed on the same sample as the DT. It was applicable for barium, cadmium, nickel, and zinc:

Metal	%R	Criteria
Arsenic	81	
Barium	**70**	

Cadmium	**59**	
Chromium	**74**	75 – 125%
Copper	76	
Nickel	**68**	
Lead	**69**	
Zinc	**57**	

The "J" flags applied to the chromium results were replaced with "F" due to (1) minor exceedance in the PDS; and (2) results were between method detection limit and reporting limit. "J" flags were applied to all non-compliant metal result.

There were one method blank and several calibration blanks associated with the metal analyses in this SDG. All blanks were compliant.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All ICP-AES metal results for the samples in this SDG were considered usable. Therefore, the completeness for the lead portion of this SDG is 100%, which meets the minimum acceptance criteria of 95%.

MERURY

General

The mercury portion of this SDG consisted of three (3) soil samples. These samples were collected on March 12, 2012 and was prepared and analyzed for total mercury using USEPA Method SW7471B.

These samples were analyzed following the procedures outlined in the CSSA QAPP, prepared and analyzed within the holding time required by the method.

These samples were digested in batch #164958 and analyzed undiluted.

Accuracy

Accuracy was evaluated using the percent recovery obtain from the LCS.

The LCS recovery was within acceptance criteria.

Precision

Precision could not be evaluated due to the lack of duplicate analysis.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;

- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during sample analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All second source verification criteria were met. The ICV was prepared using a secondary source.
- All calibration verification criteria were met.
- DT and PDS were not applicable.

There were one method blank and several calibration blanks associated with the mercury analyses in this SDG. All blanks were free of mercury at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

The mercury results for the samples in this SDG were considered usable. The completeness for the mercury portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

Laboratory Report

Parsons

CSSA

Project #: 748372.06000

ARF: 67194

Samples collected: March 12, 2012

APPL, Inc.

Data Validatable Package

for

Project #: 748372.06000 CSSA

ARF 67194

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CASE NARRATIVE

908 North Temperance Ave. ∇ Clovis, CA 93611 ∇ Phone 559-275-2175 ∇ Fax 559-275-4422

Case Narrative

ARF: 67194

Project: 748372.06000 CSSA

California State Certification Number: CA1312 (DW & WW)

NELAP Certification number: 05233CA (HW)

Texas Certificate Number: T104704242-10-3

Results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sample Receipt Information:

Three soil samples were received March 13, 2012, at 2.5°C. The samples were assigned Analytical Request Form (ARF) number 67194. The sample numbers and requested analyses were compared to the chain of custody. No exception was noted.

Sample Table

CLIENT ID	APPL ID	Matrix	Date Sampled	Date Received
B4-NT1-BOT04	AY56792	SOIL	03/12/12	03/13/12
B4-NT1-BOT05	AY56793	SOIL	03/12/12	03/13/12
B4-NT1-BOT06	AY56794	SOIL	03/12/12	03/13/12

Percent moisture was determined using CLP 4.0.

EPA Method 6010B
Metals

Digestion Information:

The soil samples were digested according to EPA method 3050B. No exception was encountered. All holding times were met.

Analysis Information:

Samples:

The samples were analyzed according to EPA method 6010B using a Perkin Elmer Optima 5300DV ICP.

Calibrations:

Calibrations were performed according to the method for the initial calibration and the initial calibration verification. The initial calibration verification is prepared from a second source standard. In the Continuing Calibration Verification (CCV) on 3/20/12 at 16:31, cadmium and zinc exceed the 10% deviation limit at 11%D and 12%D, respectively. This CCV does not bracket any samples. All other calibration acceptance criteria were met.

Blanks:

No target metal was detected above the reporting limit (RL) in the method blank.

Spikes:

Laboratory Control Spike (LCS), post-digestion spikes (PDS) and dilution tests (DT) were used for quality assurance. All LCS acceptance criteria were met.

Sample B4-NT1-BOT06 was selected by the laboratory as the QC sample for the analytical batch. The dilution test was applicable to barium, chromium, copper and nickel, all of which exceeded the 10% deviation limit. In the PDS, six analytes recovered below the 75% lower control limit: barium at 69.9%, cadmium at 59.4%, chromium at 74.1%, nickel at 67.7%, lead at 68.8% and zinc at 57.1%. Barium, cadmium, chromium, nickel, lead and zinc are flagged with a "J" in all associated samples, in accordance with CSSA QAPP guidelines.

Summary:

No other analytical exception is noted.

EPA Method 7471B
Mercury

Digestion Information:

The soil samples were digested according to EPA method 7471B. No exceptions were encountered. All holding times were met.

Analysis Information:

Samples:

The soil samples were analyzed by EPA method 7471B using a Perkin Elmer AAnalyst 300.

Calibrations:

Calibrations were performed according to the method for the initial calibration and the initial calibration verification. The initial calibration verification is prepared from a second source standard. All calibration acceptance criteria were met.

Blanks:

No target metal was detected above the reporting limit (RL) in the method blank.

Spikes:

A Laboratory Control Spike (LCS) was used for quality assurance. All LCS acceptance criteria were met.

No sample was designated by the client for MS/MSD analysis.

Summary:

No analytical exception is noted.

CERTIFICATION

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC. Release of the hard copy has been authorized by the Laboratory Manager or her designee, as verified by the following signature.

3-23-12

Sharon Dehmlow, Laboratory Director / Date

CHAIN OF CUSTODY
AND ARF

APPL - Analysis Request Form 67194

Client: **Parsons**
Address: **8000 Centre Park Drive Ste 200**
Austin, TX 78754
Attn: **Tammy Chang**
Phone: **512-719-6092** Fax: **512-719-6099**
Job: **748372.06000 CSSA**
PO #: **748336.30000-00 (prime *G012)**
Chain of Custody (Y/N): **Y** # **031212APPFA CSSA**
RAD Screen (Y/N): **Y** pH (Y/N): **N**
Turn Around Type: **3 DAYS**

Received by: **TBV**
Date Received: **03/13/12** Time: **11:08**
Delivered by: **FED EX**
Shuttle Custody Seals (Y/N): **Y** Time Zone: **CDT**
Chest Temp(s): **2.5°C**
Color: **G-BLUE**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Diane Anderson** TA
QC Report Type: **DVP4/AFCEE/ERPIMS/TX**
Due Date: **03/16/12**

Comments:
3-day TAT for prelims (due 03-16-12); final report due 03-23-12
pdf ARF to Tammy & Pam; send HC: 2 DVP3 with colored dividers & send DVP4 on CD to Tammy

Definitive data needs DVP 4; needs AFCEE forms and package, Internal COC
Case Narrative. CSSA + AFCEE 3.1 QAPP. Only report MS/MSD when requested.
EDD: ERPIMS 4 Lab PC4 checked TXF to Pam.Ford@parsons.com
MAR 3-20-12

3-14 Sent ARF

Sample Distribution:
Metals: 3-$HGAFBS, 3-$MTAFS(As,Be,Cd,Cr,Cu,Ni,Pb,Zn)
Wetlab: 3-MOIST
Other: 3-_M3050GROSS, 3-_M7471GROSS

Charges:

Invoice To:
BOA 748336.30000 TO# 2
8000 Centre Park Drive Ste 200
Austin, TX 78754-5140
Attn: Ellen Felfe

	Client ID	APPL ID	Sampled	Analyses Requested
1.	B4-NT1-BOT04	AY56792S	03/12/12 08:43	$HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
2.	B4-NT1-BOT05	AY56793S	03/12/12 08:56	$HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST
3.	B4-NT1-BOT06	AY56794S	03/12/12 09:07	$HGAFBS, $MTAFS(As,Ba,Cd,Cr,Cu,Ni,Pb,Zn), MOIST

Note: All times, excluding sample collection times, are Pacific Time Zone unless noted otherwise. Collection times are in: CDT

APPL Sample Receipt Form

ARF# **67194**

Sample	Container Type	Count	pH
AY56792	20 4oz Jar	1	NA
AY56793	20 4oz Jar	1	NA
AY56794	20 4oz Jar	1	NA

Sample	Container Type	Count	pH

Camp Stanley Storage Activity Chain Of Custody

COC ID:	031212APPFA	Relinquish_Date:	3/12/2012	Cooler ID:	A
Project Location:	CSSA	Relinquished_By:	JM	LabCode:	APPF
Job Number:	748372.06000	Relinquish_Time:	5:00 PM	Carrier:	FedEx
Creation Date:	3/12/2012	Collection Team:	KKC, MC	Airbill Carrier:	876436443414
Task Manager	Laura Marbury	Sample Data Type	Definitive	TAT:	3 Day TAT

Sampler(s): Kyle Caskey

LOCID: **B4-NT1-BOT04** LOGDATE: 3/12/2012 MATRIX: SO TBLOT:
SBD: 15.5 LOGTIME: 8:43 SACODE: N SMCODE: G ABLOT:
SED: 16 FLDSAMPID B4-NT1-BOT04_031212_N0843 EBLOT:
Remarks: Containers: 1

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY		

LOCID: **B4-NT1-BOT05** LOGDATE: 3/12/2012 MATRIX: SO TBLOT:
SBD: 15.5 LOGTIME: 8:56 SACODE: N SMCODE: G ABLOT:
SED: 16 FLDSAMPID B4-NT1-BOT05_031212_N0856 EBLOT:
Remarks: Containers: 1

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY		

LOCID: **B4-NT1-BOT06** LOGDATE: 3/12/2012 MATRIX: SO TBLOT:
SBD: 15.5 LOGTIME: 9:07 SACODE: N SMCODE: G ABLOT:
SED: 16 FLDSAMPID B4-NT1-BOT06_031212_N0907 EBLOT:
Remarks: Containers: 1

Analysis Required:

SW6010B	ARSENIC	SW6010B	BARIUM
SW6010B	CADMIUM	SW6010B	CHROMIUM
SW6010B	COPPER	SW6010B	NICKEL
SW6010B	LEAD	SW6010B	ZINC
SW7471	MERCURY		

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Relinquished by: Kyle Caskey Date 3-12-12 Time 1700
Recieved by: Date 3/13/12 Time 1108

Relinquished by: Date Time
Recieved by: Date Time

Relinquished by: Date Time
Recieved by: Date Time

COOLER RECEIPT FORM

1) Project: 749372.06000 CSSA Date Received: 3/13/12
2) Coolers: Number of Coolers: 1
3) YES NO Were coolers and samples screened for radioactivity?
4) YES NO Were custody seals on outside of cooler? How many? 1 Date on seal? 3/12/12
5) Name on seal? See label
6) YES NO NA Were custody seals unbroken and intact at the time of arrival?
7) YES NO Did the cooler come with a shipping slip (air bill, etc.)? Carrier name: Fed Ex
8) Shipping slip numbers: 1) 8769 7644 3414 2) 3)
9) YES NO NA Was the shipping slip scanned into the database?
10) YES NO NA If cooler belongs to APPL, has it been logged into the ice chest database?
11) Describe type of packing in cooler (bubble wrap, popcorn, type of ice, etc.): bubble bag, Ziploc in wet ice
12) YES NO NA For hand delivered samples was sufficient ice present to start the cooling process?
13) YES NO Was a temperature blank included in the cooler?
14) Serial number of certified NIST thermometer used: A39267 Correction factor: 0
15) Cooler temp(s): 1) 2.5°C 2) 3) 4) 5) 6) 7) 8)

Chain of custody:
16) YES NO Was a chain of custody received?
17) YES NO Were the custody papers signed in the appropriate places?
18) YES NO Was the project identifiable from custody papers?
19) YES NO Did the chain of custody include date and time of sampling?
20) YES NO Is location where sample was taken listed on the chain of custody?

Sample Labels:
21) YES NO Were container labels in good condition?
22) YES NO Was the client ID on the label?
23) YES NO Was the date of sampling on the label?
24) YES NO Was the time of sampling on the label?
25) YES NO Did all container labels agree with custody papers?

Sample Containers:
26) YES NO Were all containers sealed in separate bags?
27) YES NO Did all containers arrive unbroken?
28) YES NO Was there any leakage from samples?
29) YES NO Were any of the lids cracked or broken?
30) YES NO Were correct containers used for the tests indicated?
31) YES NO Was a sufficient amount of sample sent for tests indicated?
32) YES NO NA Were bubbles present in volatile samples? If yes, the following were received with air bubbles:
Larger than a pea:
Smaller than a pea:

Preservation & Hold time:
33) YES NO NA Was a sufficient amount of holding time remaining to analyze the samples?
34) YES NO NA Do the sample containers contain the same preservative as what is stated on the COC?
35) YES NO NA Was the pH taken of all non-VOA preserved samples and written on the sample container?
36) YES NO NA Was the pH of acid preserved non-VOA samples < 2 & sodium hydroxide preserved samples > 12?
37) YES NO NA Unpreserved VOA Vials received?
38) YES NO NA Are unpreserved VOA vials noted in the ADD TEST FIELD on the ARF?

Lab notified if pH was not adequate:
Deficiencies:

Signature of personnel receiving samples: Second reviewer:
Signature of project manager notified: Date and Time of notification:
Name of client notified: Date and Time of notification:
Information given to client: by whom (initials):

CUSTODY SEAL
APPL, Inc.
(559) 275-2175
Initials JM
Date 3/12/12

METALS
EPA SW846 - 6010B

APPL, INC.

METALS
EPA SW846 - 6010B
Forms

APPL, INC.

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 6010B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120314A-164961
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-BOT04	AY56792
B4-NT1-BOT05	AY56793
B4-NT1-BOT06	AY56794

Comments: ARF: 67194

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

Signature: _____ Name: Diane Anderson

Date: 3-23-12 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120314A-164961
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT04 Lab Sample ID: AY56792 Matrix: Soil
% Solids: 97.2 Initial Calibration ID: 120320A
Date Received: 13-Mar-12 Date Prepared: 14-Mar-12 Date Analyzed: 20-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	0.5	1	F
BARIUM (BA)	0.1	1.0	4.1	1	J
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	1.8	1	J
COPPER (CU)	0.19	2.0	3.60	1	
LEAD (PB)	0.18	10.0	0.66	1	J
NICKEL (NI)	0.12	2.0	0.12	1	J
ZINC (ZN)	0.6	5.0	1.0	1	J

Comments: ARF: 67194

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120314A-164961
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT05 Lab Sample ID: AY56793 Matrix: Soil
% Solids: 93.7 Initial Calibration ID: 120320A
Date Received: 13-Mar-12 Date Prepared: 14-Mar-12 Date Analyzed: 20-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	0.8	1	F
BARIUM (BA)	0.1	1.0	9.6	1	J
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	3.5	1	J
COPPER (CU)	0.19	2.0	4.49	1	
LEAD (PB)	0.18	10.0	1.84	1	J
NICKEL (NI)	0.12	2.0	2.99	1	J
ZINC (ZN)	0.6	5.0	5.9	1	J

Comments: ARF: 67194

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 120314A-164961
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT06 Lab Sample ID: AY56794 Matrix: Soil
% Solids: 93.2 Initial Calibration ID: 120320A
Date Received: 13-Mar-12 Date Prepared: 14-Mar-12 Date Analyzed: 20-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
ARSENIC (AS)	0.2	40.0	3.2	1	F
BARIUM (BA)	0.1	1.0	25.4	1	J
CADMIUM (CD)	0.03	0.50	0.03	1	J
CHROMIUM (CR)	0.1	20.0	8.9	1	J
COPPER (CU)	0.19	2.0	33.42	1	
LEAD (PB)	0.18	10.0	4.52	1	J
NICKEL (NI)	0.12	2.0	6.96	1	J
ZINC (ZN)	0.6	5.0	29.6	1	J

Comments: ARF: 67194

AFCEE
INORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method: EPA 6010B

AAB #: 120314A-164961

Lab Name: APPL, Inc.

Contract #: *G012

Date of Initial Calibration: 20-Mar-12

Initial Calibration ID: 120320A

Instrument ID: PHOEBE

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte		Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	r	Q
As		0.3500	17.8	100.0	6640.6	200.0	12838.6	0.99991	
Ba		0.5000	1427.6	100.0	266688.5	200.0	512941.2	0.99988	
Cd		0.5000	3025.7	100.0	532893.2	200.0	1009195.6	0.99975	
Cr		0.5000	1053.9	100.0	178397.2	200.0	344079.1	0.99989	
Cu		0.5000	764.3	100.0	181961.9	200.0	357131.4	0.99997	
Ni		0.5000	460.6	100.0	86671.6	200.0	165041.8	0.99980	
Pb		0.3000	70.6	100.0	21737.4	200.0	41660.4	0.99985	
Zn		2.0000	3646.1	100.0	155350.7	200.0	294008.5	0.99975	

Comments:

AFCEE FORM I-3

AFCEB
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B AAB #: 120314A-164961

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: PHOEBE Initial Calibration ID: 120320A

2nd Source ID: ICV 3/20/12 12:54 ICV ID: ICV 3/20/12 12:54

CCV #1 ID: CCV1 3/20/12 13:12 CCV #2 ID: CCV2 3/20/12 15:35

Concentration Units (mg/L or mg/kg) mg/Kg

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
As		100.0	90.1	9.9%	100.0	90.1	9.9%	100.0	103.0	3.0%	75.0	78.7	4.9%	
Ba		100.0	93.6	6.4%	100.0	93.6	6.4%	100.0	102.7	2.7%	75.0	79.1	5.4%	
Cd		100.0	98.9	1.1%	100.0	98.9	1.1%	100.0	104.2	4.2%	75.0	80.5	7.4%	
Cr		100.0	99.0	1.0%	100.0	99.0	1.0%	100.0	102.7	2.7%	75.0	78.5	4.7%	
Cu		100.0	94.8	5.2%	100.0	94.8	5.2%	100.0	101.7	1.7%	75.0	77.1	2.8%	
Ni		100.0	99.1	0.9%	100.0	99.1	0.9%	100.0	103.6	3.6%	75.0	79.6	6.1%	
Pb		100.0	97.6	2.4%	100.0	97.6	2.4%	100.0	105.1	5.1%	75.0	80.5	7.3%	
Zn		100.0	100.7	0.7%	100.0	100.7	0.7%	100.0	104.7	4.7%	75.0	81.1	8.1%	

Comments:

AFCEB FORM I-4 Page 1 of 3

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B AAB #: 120314A-164961

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID: PHOEBE Initial Calibration ID: 120320A

2nd Source ID: ICV 3/20/12 12:54 ICV ID: ICV 3/20/12 12:54

CCV #1 ID: CCV1 3/20/12 16:31 CCV #2 ID: CCV1 3/20/12 18:29

Concentration Units (mg/L or mg/kg): mg/kg

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
As		100.0	90.1	9.9%	100.0	90.1	9.9%	100.0	107.6	7.6%	100.0	107.7	7.7%	
Ba		100.0	93.6	6.4%	100.0	93.6	6.4%	100.0	109.2	9.2%	100.0	103.2	3.2%	
Cd		100.0	98.9	1.1%	100.0	98.9	1.1%	100.0	111.0	11.0%	100.0	107.7	7.7%	*
Cr		100.0	99.0	1.0%	100.0	99.0	1.0%	100.0	108.3	8.3%	100.0	102.5	2.5%	
Cu		100.0	94.8	5.2%	100.0	94.8	5.2%	100.0	106.9	6.9%	100.0	97.6	2.5%	
Ni		100.0	99.1	0.9%	100.0	99.1	0.9%	100.0	109.7	9.7%	100.0	104.7	4.7%	
Pb		100.0	97.6	2.4%	100.0	97.6	2.4%	100.0	109.2	9.2%	100.0	105.9	5.9%	
Zn		100.0	100.7	0.7%	100.0	100.7	0.7%	100.0	111.7	11.7%	100.0	109.3	9.3%	*

Comments:

AFCEE FORM I-4 Page 2 of 3

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 6010B — AAB #: 120314A-164961

Lab Name: APPL, Inc. — Contract #: *G012

Instrument ID: PHOEBE — Initial Calibration ID: 120320A

2nd Source ID: ICV 3/20/12 12:54 — ICV ID: ICV 3/20/12 12:54

CCV #1 ID: CCV2 3/20/12 19:30 — CCV #2 ID: CCV1 3/20/12 20:28

Concentration Units (ug/L or mg/kg) mg/kg

Analyte		2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification						Q
		Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Expected	Found 2	%D	
As		100.0	90.1	9.9%	100.0	90.1	9.9%	75.0	77.5	3.3%	100.0	104.0	4.0%	
Ba		100.0	93.6	6.4%	100.0	93.6	6.4%	75.0	77.1	2.8%	100.0	102.5	2.5%	
Cd		100.0	98.9	1.1%	100.0	98.9	1.1%	75.0	78.1	4.2%	100.0	103.7	3.7%	
Cr		100.0	99.0	1.0%	100.0	99.0	1.0%	75.0	76.5	2.0%	100.0	102.0	2.0%	
Cu		100.0	94.8	5.2%	100.0	94.8	5.2%	75.0	75.2	0.2%	100.0	100.8	0.8%	
Ni		100.0	99.1	0.9%	100.0	99.1	0.9%	75.0	77.2	2.9%	100.0	102.6	2.6%	
Pb		100.0	97.6	2.4%	100.0	97.6	2.4%	75.0	76.9	2.5%	100.0	101.7	1.7%	
Zn		100.0	100.7	0.7%	100.0	100.7	0.7%	75.0	79.0	5.3%	100.0	104.6	4.6%	

Comments:

AFCEE FORM I-4 Page 3 of 3

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANK

Analytical Method: EPA 6010B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: 120320A

AAB #: 120314A-164961
Contract #: *G012
Method Blank ID: 120314A-BLK
3050A BRS 3/22/12

Analyte	Method Blank	RL	Q
ARSENIC (AS)	< RL	40.0	U
BARIUM (BA)	< RL	1.0	U
CADMIUM (CD)	< RL	0.50	U
CHROMIUM (CR)	< RL	20.0	U
COPPER (CU)	< RL	2.0	U
LEAD (PB)	< RL	10.0	U
NICKEL (NI)	< RL	2.0	U
ZINC (ZN)	< RL	5.0	U

Comments: ARF: 67194, Sample: AY56794

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 6010B AAB #: 120314A-164961

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (ug/L or mg/kg) mg/Kg

Initial Calibration Blank ID: ICB 3/20/12 12:57 Initial Calibration ID: 120320A

CCB #1 ID: CCB 3/20/12 13:14 CCB #2 ID: CCB 3/20/12 15:39 CCB #3 ID: CCB 3/20/12 16:34

Method Blank ID: 120314A-3050G-BLK Initial Calibration ID: 120320A

Analyte		Initial Calibration Blank	Continuing Calibration Blank			Method Blank		RL	Q
			1	2	3				
As		<RL	<RL	<RL	<RL	<RL		40.0	
Ba		<RL	<RL	<RL	<RL	<RL		1.00	
Cd		<RL	<RL	<RL	<RL	<RL		0.5	
Cr		<RL	<RL	<RL	<RL	<RL		20.0	
Cu		<RL	<RL	<RL	<RL	<RL		2.0	
Ni		<RL	<RL	<RL	<RL	<RL		2.0	
Pb		<RL	<RL	<RL	<RL	<RL		10.0	
Zn		<RL	<RL	<RL	<RL	<RL		5.0	

Comments:

AFCEE FORM I-5 Page 1 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 6010B AAB #: 120314A-164961

Lab Name: APPL, Inc. Contract #: *C012

Concentration Units (mg/L or mg/kg) mg/Kg

Initial Calibration Blank ID: ICB 3/20/12 12:57 Initial Calibration ID: 120320A

CCB #1 ID: CCB 3/20/12 18:34 CCB #2 ID: CCB 3/20/12 19:34 CCB #3 ID: CCB 3/20/12 20:33

Method Blank ID: 120314A-3050G-BLK Initial Calibration ID: 120320A

Analyte		Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
			1	2	3			
As		<RL	<RL	<RL	<RL	<RL	40.0	
Ba		<RL	<RL	<RL	<RL	<RL	1.0	
Cd		<RL	<RL	<RL	<RL	<RL	0.5	
Cr		<RL	<RL	<RL	<RL	<RL	20.0	
Cu		<RL	<RL	<RL	<RL	<RL	2.0	
Ni		<RL	<RL	<RL	<RL	<RL	2.0	
Pb		<RL	<RL	<RL	<RL	<RL	10.0	
Zn		<RL	<RL	<RL	<RL	<RL	5.0	

Comments:

AFCEE FORM I-5 Page 2 of 2

AFCEE
INORGANIC ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 6010B
AAB #: 120314A-164961
Lab Name: APPL, Inc
Contract #: *G012
LCS ID: 120314A LCS 3050A RDS 3/22/12
Initial Calibration ID: 120320A
Concentration Units: mg/kg

Analyte	Expected	Found	% R	Control Limits	Q
ARSENIC (AS)	25.0	26.6	106	75-125	
BARIUM (BA)	25.0	26.1	104	75-125	
CADMIUM (CD)	5.00	5.53	111	75-125	
CHROMIUM (CR)	25.0	28.2	113	75-125	
COPPER (CU)	25.00	25.95	104	75-125	
LEAD (PB)	25.00	27.47	110	75-125	
NICKEL (NI)	25.00	28.72	115	75-125	
ZINC (ZN)	50.0	55.0	110	75-125	

Comments: ARF: 67194, Sample: AY56794

AFCEE
INORGANIC ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: EPA 6010B AAB#: 120314A-164961

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
B4-NT1-BOT04	12-Mar-12	13-Mar-12	20-Mar-12	180	8	
B4-NT1-BOT05	12-Mar-12	13-Mar-12	20-Mar-12	180	8	
B4-NT1-BOT06	12-Mar-12	13-Mar-12	20-Mar-12	180	8	

Comments: ARF: 67194

AFCEE
INORGANIC ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 6010B

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: PHOEBE ICAL ID: 120320A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
CalBlk	20-Mar-12	12:38	20-Mar-12	12:38
STD 1	20-Mar-12	12:42	20-Mar-12	12:42
STD 2	20-Mar-12	12:46	20-Mar-12	12:46
STD 3	20-Mar-12	12:49	20-Mar-12	12:49
ICV	20-Mar-12	12:54	20-Mar-12	12:54
ICB	20-Mar-12	12:57	20-Mar-12	12:57
ICSA	20-Mar-12	13:05	20-Mar-12	13:05
ICSAB	20-Mar-12	13:09	20-Mar-12	13:09
CCV1	20-Mar-12	13:12	20-Mar-12	13:12
CCB	20-Mar-12	13:14	20-Mar-12	13:14
CCV2	20-Mar-12	15:35	20-Mar-12	15:35
CCB	20-Mar-12	15:39	20-Mar-12	15:39
120314A-3050G-BLK	20-Mar-12	15:51	20-Mar-12	15:51
120314A-3050G-LCS	20-Mar-12	15:55	20-Mar-12	15:55
CCV1	20-Mar-12	16:31	20-Mar-12	16:31
CCB	20-Mar-12	16:34	20-Mar-12	16:34
CCV1	20-Mar-12	18:29	20-Mar-12	18:29
CCB	20-Mar-12	18:34	20-Mar-12	18:34
AY56792S01	20-Mar-12	19:24	20-Mar-12	19:24
CCV2	20-Mar-12	19:30	20-Mar-12	19:30
CCB	20-Mar-12	19:34	20-Mar-12	19:34
AY56793S01	20-Mar-12	19:39	20-Mar-12	19:39
AY56794S01	20-Mar-12	19:45	20-Mar-12	19:45
AY56794S01-A	20-Mar-12	19:59	20-Mar-12	19:59
AY56794S01-1/5	20-Mar-12	20:04	20-Mar-12	20:04
CCV1	20-Mar-12	20:28	20-Mar-12	20:28
CCB	20-Mar-12	20:33	20-Mar-12	20:33

6010 Injection Log

Directory: K:\ICAP PHOEBE\Backup Excel\

RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
1	20 Mar 2012	12:38	CalBlk 120320EA I:PB O:EA		120320A6010	1.
2	20 Mar 2012	12:42	STD 1 120320EA I:PB O:EA		120320A6010	1.
3	20 Mar 2012	12:46	STD 2 120320EA I:PB O:EA		120320A6010	1.
4	20 Mar 2012	12:49	STD 3 120320EA I:PB O:EA		120320A6010	1.
5	20 Mar 2012	12:54	ICV 120320EA I:PB O:EA		120320A6010	1.
6	20 Mar 2012	12:57	ICB 120320EA I:PB O:EA		120320A6010	1.
8	20 Mar 2012	13:05	ICSA 120320EA I:PB O:EA		120320A6010	1.
9	20 Mar 2012	13:09	ICSAB 120320EA I:PB O:EA		120320A6010	1.
10	20 Mar 2012	13:12	CCV1 120320EA I:PB O:EA		120320A6010	1.
11	20 Mar 2012	13:14	CCB 120320EA I:PB O:EA		120320A6010	1.
44	20 Mar 2012	15:35	CCV2 120320EA I:PB O:EA		120320A6010	1.
45	20 Mar 2012	15:39	CCB 120320EA I:PB O:EA		120320A6010	1.
48	20 Mar 2012	15:51	120314A-3050G-BLK		120320A6010	1.
49	20 Mar 2012	15:55	120314A-3050G-LCS		120320A6010	1.
56	20 Mar 2012	16:31	CCV1 120320EA I:PB O:EA		120320A6010	1.
57	20 Mar 2012	16:34	CCB 120320EA I:PB O:EA		120320A6010	1.
58	20 Mar 2012	18:29	CCV1 120320EA I:PB O:EA		120320A6010	1.
59	20 Mar 2012	18:34	CCB 120320EA I:PB O:EA		120320A6010	1.
69	20 Mar 2012	19:24	AY56792S01		120320A6010	1.
70	20 Mar 2012	19:30	CCV2 120320EA I:PB O:EA		120320A6010	1.
71	20 Mar 2012	19:34	CCB 120320EA I:PB O:EA		120320A6010	1.
72	20 Mar 2012	19:39	AY56793S01		120320A6010	1.
73	20 Mar 2012	19:45	AY56794S01		120320A6010	1.
76	20 Mar 2012	19:59	AY56794S01-A		120320A6010	1.
77	20 Mar 2012	20:04	AY56794S01-1/5		120320A6010	5.
82	20 Mar 2012	20:28	CCV1 120320EA I:PB O:EA		120320A6010	1.
83	20 Mar 2012	20:33	CCB 120320EA I:PB O:EA		120320A6010	1.

A.P.P.L. INC.

5B

POST DIGEST SPIKE SAMPLE RECOVERY

CLIENT SAMPLE NO.

B4-NT1-BOT06

Lab Name: A.P.P.L. INC. Contract: Parsons

ARF No.: 67194 SDG: 67194

Analysis Date: 03/20/12 Concentration Units: mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic (As)	75-125	40.66		2.958		46.729	80.7		
Barium (Ba)	75-125	56.29		23.64		46.729	69.9		M
Cadmium (Cd)	75-125	5.552		ND		9.346	59.4		M
Chromium (Cr)	75-125	42.9		8.278		46.729	74.1		M
Copper (Cu)	75-125	66.44		31.15		46.729	75.5		
Nickel (Ni)	75-125	38.11		6.486		46.729	67.7		M
Lead (Pb)	75-125	36.37		4.216		46.729	68.8		M
Zinc (Zn)	75-125	80.94		27.57		93.458	57.1		M

Comments:

03/20/12 19:45 AY56794S01

03/20/12 19:59 AY56794S01-A

A.P.P.L. INC.

9

ICP SERIAL DILUTION

CLIENT SAMPLE NO.

B4-NT1-BOT06

Lab Name: A.P.P.L. INC. Contract: Parsons

ARF No.: 67194 SDG: 67194

Matrix: soil

Analysis Date: 03/20/12 Concentration Units: mg/kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	%D	Q	M
Barium (Ba)	23.64		31.43		33.0		M
Chromium (Cr)	8.278		9.278		12.1		M
Copper (Cu)	31.15		36.66		17.7		M
Nickel (Ni)	6.486		4.741		26.9		M

Comments:

03/20/12 19:45 AY56794S01

03/20/12 20:04 AY56794S01-1/5

A.P.P.L. INC.
4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: A.P.P.L. INC. Contract: *G012
ARF #: 67194 SDG: 67194
ICP ID No PHOEBE ICS Source: Environmental Express

Analysis Date 03/20/12 Concentration Units: mg/L

ANALYTE	TRUE			Initial Found		
	SOL A	SOL AB	SOL A 13:05	Recovery	SOL AB 13:09	%R(1)
Aluminum	200	200	193.5	96.8	189.1	94.6
Arsenic		0.5	ND	<RL	0.4432	88.6
Barium		0.5	ND	<RL	0.4456	89.1
Calcium	200	200	191.2	95.6	188	94.0
Cadmium		1	0.000033	<RL	0.9016	90.2
Chromium		0.5	0.000141	<RL	0.4671	93.4
Copper		0.5	ND	<RL	0.4783	95.7
Iron	200	200	176.6	88.3	175.5	87.8
Magnesium	200	200	186.9	93.5	183.5	91.8
Nickel		1	0.000046	<RL	0.9047	90.5
Lead		1	0.00055	<RL	0.9212	92.1
Zinc		1	0.003175	<RL	0.9012	90.1

(1) Control Limits: Metals 80-120

METALS
EPA SW846 - 6010B
Calibration Data

APPL, INC.

Reprocessing Begun
Logged In Analyst: chemist_metals Technique: ICP Continuous

Results Data Set (original): 120320A6010X
Results Library (original): C:\PE\chemiat\RESULTS\Results.mdb
Results Data Set (reprocessed):
Results Library (reprocessed):

Sequence No.: 1 Autosampler Location: 1
Sample ID: CalBlk 120320EA I:PB O:EA Date Collected: 03/20/12 12:38:08 PM
Analyst: Data Type: Reprocessed on 03/21/12 9:48:48 AM
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CalBlk 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	-193.2	32.00	16.56%	[0.00]	ug/L
Al 308.215	205.1	3.97	1.93%	[0.00]	ug/L
As 188.979	-3.5	4.84	139.57%	[0.00]	ug/L
B	198.5	16.50	8.31%	[0.00]	ug/L
Ba 233.527	256.7	10.35	4.03%	[0.00]	ug/L
Be 313.107	-9716.7	387.08	3.98%	[0.00]	ug/L
Ca 315.887	15.7	19.55	124.37%	[0.00]	ug/L
Cd 214.440	695.8	21.14	3.04%	[0.00]	ug/L
Co 228.616	169.5	9.52	5.62%	[0.00]	ug/L
Cr 267.716	913.1	17.73	1.94%	[0.00]	ug/L
Cu 327.393	1286.3	75.55	5.87%	[0.00]	ug/L
Fe 273.955	405.9	37.78	9.31%	[0.00]	ug/L
K 766.490	-210.2	105.13	50.00%	[0.00]	ug/L
Mg 285.213	-256.1	15.93	6.22%	[0.00]	ug/L
Mn 257.610	-41.3	13.87	33.62%	[0.00]	ug/L
Mo 202.031	205.8	11.09	5.39%	[0.00]	ug/L
Na 589.592	241.9	227.22	93.95%	[0.00]	ug/L
Ni 231.604	-232.3	0.37	0.16%	[0.00]	ug/L
P 213.617	-77.7	2.34	3.01%	[0.00]	ug/L
Pb 220.353	6.3	7.41	117.17%	[0.00]	ug/L
Sb 206.836	17.1	3.08	18.04%	[0.00]	ug/L
Se 196.026	-28.0	3.13	11.16%	[0.00]	ug/L
Sn 189.927	23.3	4.20	18.00%	[0.00]	ug/L
Sr 421.552	1575.6	79.87	5.07%	[0.00]	ug/L
Ti 337.279	-655.9	18.96	2.89%	[0.00]	ug/L
Tl 190.801	-150.7	7.22	4.79%	[0.00]	ug/L
V 292.402	-450.3	112.72	25.03%	[0.00]	ug/L
Zn 206.200	-219.6	14.19	6.46%	[0.00]	ug/L

Sequence No.: 2
Sample ID: STD 1 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 03/20/12 12:42:30 PM
Data Type: Reprocessed on 03/21/12 9:48:50 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 1 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	194.9	95.53	49.00%	[1.00]	ug/L
Al 308.215	291.8	12.72	4.36%	[100.00]	ug/L
As 188.979	17.8	2.69	15.06%	[3.50]	ug/L
B	258.4	9.21	3.56%	[50.00]	ug/L
Ba 233.527	1427.6	12.79	0.90%	[5.00]	ug/L
Be 313.107	14972.2	246.86	1.65%	[2.00]	ug/L
Ca 315.887	2552.0	25.80	1.01%	[100.00]	ug/L
Cd 214.440	3025.7	16.04	0.53%	[5.00]	ug/L
Co 228.616	607.0	20.90	3.44%	[5.00]	ug/L
Cr 267.716	1053.9	13.38	1.27%	[5.00]	ug/L
Cu 327.393	764.3	58.70	7.68%	[5.00]	ug/L
Fe 273.955	2364.8	22.25	0.94%	[50.00]	ug/L
K 766.490	4753.5	182.52	3.84%	[1000.00]	ug/L
Mg 285.213	2766.8	4.99	0.18%	[50]	ug/L
Mn 257.610	475.7	5.05	1.06%	[5.00]	ug/L
Mo 202.031	283.4	7.18	2.54%	[5.00]	ug/L
Na 589.592	14071.7	208.76	1.48%	[1000.00]	ug/L
Ni 231.604	460.6	6.86	1.49%	[5.00]	ug/L
P 213.617	198.8	5.46	2.75%	[25.00]	ug/L
Pb 220.353	70.6	4.27	6.05%	[3.00]	ug/L
Sb 206.836	51.5	2.77	5.38%	[5.00]	ug/L
Se 196.026	21.4	4.37	20.40%	[5.00]	ug/L
Sn 189.927	4.5	1.42	31.55%	[5.00]	ug/L
Sr 421.552	6274.8	153.76	2.45%	[5.00]	ug/L
Ti 337.279	296.1	17.43	5.89%	[5.00]	ug/L
Tl 190.801	69.3	12.44	17.95%	[5.00]	ug/L
V 292.402	1750.8	105.85	6.05%	[5.00]	ug/L
Zn 206.200	3646.1	11.64	0.32%	[20.00]	ug/L

Sequence No.: 3
Sample ID: STD 2 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/20/12 12:46:54 PM
Data Type: Reprocessed on 03/21/12 9:48:51 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 2 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	76959.4	600.67	0.78%	[500.0]	ug/L
Al 308.215	53326.3	628.59	1.18%	[20000.00]	ug/L
As 188.979	6640.6	49.83	0.75%	[1000.00]	ug/L
B	6921.3	88.41	1.28%	[1000.00]	ug/L
Ba 233.527	266688.5	2371.78	0.89%	[1000.00]	ug/L
Be 313.107	7066385.5	8621.62	0.12%	[1000.00]	ug/L
Ca 315.887	997346.3	10729.40	1.08%	[50000]	ug/L
Cd 214.440	532893.2	4961.03	0.93%	[1000.00]	ug/L
Co 228.616	105191.4	998.50	0.95%	[1000.00]	ug/L
Cr 267.716	178397.2	1325.25	0.74%	[1000.00]	ug/L
Cu 327.393	181961.9	1310.93	0.72%	[1000.00]	ug/L
Fe 273.955	752235.7	6445.00	0.86%	[20000]	ug/L
K 766.490	97675.3	753.23	0.77%	[20000]	ug/L
Mg 285.213	1953329.3	18804.47	0.96%	[50000]	ug/L
Mn 257.610	89686.1	1100.81	1.23%	[1000.00]	ug/L
Mo 202.031	59791.6	137.11	0.23%	[1000.00]	ug/L
Na 589.592	348509.2	2787.63	0.80%	[25000]	ug/L
Ni 231.604	86671.6	723.13	0.83%	[1000.00]	ug/L
P 213.617	45526.7	266.88	0.59%	[5000]	ug/L
Pb 220.353	21737.4	272.54	1.25%	[1000.00]	ug/L
Sb 206.836	7529.6	23.62	0.31%	[1000.00]	ug/L
Se 196.026	5445.8	68.08	1.25%	[1000.00]	ug/L
Sn 189.927	11009.0	35.32	0.32%	[1000.00]	ug/L
Sr 421.552	1241735.3	11218.83	0.90%	[1000.00]	ug/L
Ti 337.279	89744.7	1228.19	1.37%	[1000.00]	ug/L
Tl 190.801	16126.8	56.46	0.35%	[1000.00]	ug/L
V 292.402	335779.8	3078.91	0.92%	[1000.00]	ug/L
Zn 206.200	155350.7	1338.56	0.86%	[1000.00]	ug/L

Sequence No.: 4
Sample ID: STD 3 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 03/20/12 12:49:35 PM
Data Type: Reprocessed on 03/21/12 9:48:52 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 3 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 338.289	151417.2	2183.18	1.44%	[1000.00]	ug/L
Al 308.215	105380.2	1137.32	1.08%	[40000.00]	ug/L
As 188.979	12838.6	233.27	1.82%	[2000.00]	ug/L
B	13814.5	220.02	1.59%	[2000.00]	ug/L
Ba 233.527	512941.2	7279.80	1.42%	[2000.00]	ug/L
Be 313.107	13574309.0	73222.72	0.54%	[2000.00]	ug/L
Ca 315.887	1960548.8	5991.54	0.31%	[100000.0]	ug/L
Cd 214.440	1009195.6	15598.82	1.55%	[2000.00]	ug/L
Co 228.616	200563.0	2980.88	1.49%	[2000.00]	ug/L
Cr 267.716	344079.1	4636.01	1.35%	[2000.00]	ug/L
Cu 327.393	357131.4	4258.86	1.19%	[2000.00]	ug/L
Fe 273.955	1436556.2	20310.03	1.41%	[40000]	ug/L
K 766.490	197332.0	2235.44	1.13%	[40000]	ug/L
Mg 285.213	3796526.4	14143.93	0.37%	[100000]	ug/L
Mn 257.610	174591.2	1738.79	1.00%	[2000.00]	ug/L
Mo 202.031	112288.0	1615.27	1.44%	[2000.00]	ug/L
Na 589.592	688813.1	2729.77	0.40%	[50000]	ug/L
Ni 231.604	165041.8	2541.34	1.54%	[2000.00]	ug/L
P 213.617	86410.8	1599.51	1.85%	[10000]	ug/L
Pb 220.353	41660.4	706.47	1.70%	[2000.00]	ug/L
Sb 206.836	14812.7	277.40	1.87%	[2000.00]	ug/L
Se 196.026	10600.8	212.70	2.01%	[2000.00]	ug/L
Sn 189.927	21394.0	371.92	1.74%	[2000.00]	ug/L
Sr 421.552	2459803.0	8391.71	0.34%	[2000.00]	ug/L
Ti 337.279	177392.0	1936.81	1.09%	[2000.00]	ug/L
Tl 190.801	30604.1	431.82	1.41%	[2000.00]	ug/L
V 292.402	652048.7	8996.74	1.38%	[2000.00]	ug/L
Zn 206.200	294008.5	4428.51	1.51%	[2000.00]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 338.289	3	Lin Thru 0	0.0	151.9	0.00000	0.999978	
Al 308.215	3	Lin Thru 0	0.0	2.641	0.00000	0.999988	
As 188.979	3	Lin Thru 0	0.0	6.464	0.00000	0.999906	
B	3	Lin Thru 0	0.0	6.909	0.00000	0.999984	
Ba 233.527	3	Lin Thru 0	0.0	258.5	0.00000	0.999875	
Be 313.107	3	Lin Thru 0	0.0	6843	0.00000	0.999867	
Ca 315.887	3	Lin Thru 0	0.0	19.67	0.00000	0.999976	
Cd 214.440	3	Lin Thru 0	0.0	510.3	0.00000	0.999754	
Co 228.616	3	Lin Thru 0	0.0	101.3	0.00000	0.999812	
Cr 267.716	3	Lin Thru 0	0.0	173.3	0.00000	0.999892	
Cu 327.393	3	Lin Thru 0	0.0	179.2	0.00000	0.999971	
Fe 273.955	3	Lin Thru 0	0.0	36.25	0.00000	0.999825	
K 766.490	3	Lin Thru 0	0.0	4.923	0.00000	0.999992	
Mg 285.213	3	Lin Thru 0	0.0	38.19	0.00000	0.999933	
Mn 257.610	3	Lin Thru 0	0.0	87.77	0.00000	0.999941	
Mo 202.031	3	Lin Thru 0	0.0	56.87	0.00000	0.999671	
Na 589.592	3	Lin Thru 0	0.0	13.81	0.00000	0.999989	
Ni 231.604	3	Lin Thru 0	0.0	83.35	0.00000	0.999802	
P 213.617	3	Lin Thru 0	0.0	8.734	0.00000	0.999774	
Pb 220.353	3	Lin Thru 0	0.0	21.01	0.00000	0.999851	
Sb 206.836	3	Lin Thru 0	0.0	7.431	0.00000	0.999978	
Se 196.026	3	Lin Thru 0	0.0	5.329	0.00000	0.999940	
Sn 189.927	3	Lin Thru 0	0.0	10.76	0.00000	0.999931	
Sr 421.552	3	Lin Thru 0	0.0	1232	0.00000	0.999993	
Ti 337.279	3	Lin Thru 0	0.0	88.91	0.00000	0.999989	
Tl 190.801	3	Lin Thru 0	0.0	15.47	0.00000	0.999773	

V 292.402	3	Lin Thru 0	0.0	328.0	0.00000	0.999929
Zn 206.200	3	Lin Thru 0	0.0	148.7	0.00000	0.999746

Sequence No.: 5
Sample ID: ICV 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 03/20/12 12:54:24 PM
Data Type: Reprocessed on 03/21/12 9:48:53 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	75042.7	494.0	ug/L	1.08	494.0	ug/L	1.08	0.22%
QC value within limits for Ag 338.289 Recovery = 98.79%								
Al 308.215	60927.3	22980	ug/L	356.3	22980	ug/L	356.3	1.55%
QC value within limits for Al 308.215 Recovery = 91.93%								
As 188.979	5825.4	901.3	ug/L	12.15	901.3	ug/L	12.15	1.35%
QC value within limits for As 188.979 Recovery = 90.13%								
B	6115.8	966.5	ug/L	13.15	966.5	ug/L	13.15	1.36%
QC value within limits for B Recovery = 96.65%								
Ba 233.527	242882.7	936.2	ug/L	1.78	936.2	ug/L	1.78	0.19%
QC value within limits for Ba 233.527 Recovery = 93.62%								
Be 313.107	6550836.1	960.8	ug/L	7.51	960.8	ug/L	7.51	0.78%
QC value within limits for Be 313.107 Recovery = 96.08%								
Ca 315.887	460046.3	23290	ug/L	183.8	23290	ug/L	183.8	0.79%
QC value within limits for Ca 315.887 Recovery = 93.15%								
Cd 214.440	505105.9	988.9	ug/L	3.19	988.9	ug/L	3.19	0.32%
QC value within limits for Cd 214.440 Recovery = 98.89%								
Co 228.616	100806.8	994.0	ug/L	1.93	994.0	ug/L	1.93	0.19%
QC value within limits for Co 228.616 Recovery = 99.40%								
Cr 267.716	171575.4	990.2	ug/L	2.19	990.2	ug/L	2.19	0.22%
QC value within limits for Cr 267.716 Recovery = 99.02%								
Cu 327.393	169457.6	948.2	ug/L	2.75	948.2	ug/L	2.75	0.29%
QC value within limits for Cu 327.393 Recovery = 94.82%								
Fe 273.955	873902.7	23960	ug/L	44.9	23960	ug/L	44.9	0.19%
QC value within limits for Fe 273.955 Recovery = 95.85%								
K 766.490	111026.3	22520	ug/L	130.4	22520	ug/L	130.4	0.58%
QC value within limits for K 766.490 Recovery = 90.10%								
Mg 285.213	893889.3	23390	ug/L	154.6	23390	ug/L	154.6	0.66%
QC value within limits for Mg 285.213 Recovery = 93.55%								
Mn 257.610	84906.5	965.8	ug/L	14.32	965.8	ug/L	14.32	1.48%
QC value within limits for Mn 257.610 Recovery = 96.58%								
Mo 202.031	55621.7	979.3	ug/L	7.43	979.3	ug/L	7.43	0.76%
QC value within limits for Mo 202.031 Recovery = 97.93%								
Na 589.592	315883.4	22850	ug/L	105.7	22850	ug/L	105.7	0.46%
QC value within limits for Na 589.592 Recovery = 91.38%								
Ni 231.604	82897.2	991.3	ug/L	2.88	991.3	ug/L	2.88	0.29%
QC value within limits for Ni 231.604 Recovery = 99.13%								
P 213.617	40952.5	4689	ug/L	26.7	4689	ug/L	26.7	0.57%
QC value within limits for P 213.617 Recovery = 93.78%								
Pb 220.353	20500.0	975.7	ug/L	5.17	975.7	ug/L	5.17	0.53%
QC value within limits for Pb 220.353 Recovery = 97.57%								
Sb 206.836	7905.6	1064	ug/L	8.5	1064	ug/L	8.5	0.80%
QC value within limits for Sb 206.836 Recovery = 106.39%								
Se 196.026	5169.8	970.0	ug/L	6.10	970.0	ug/L	6.10	0.63%
QC value within limits for Se 196.026 Recovery = 97.00%								
Sn 189.927	5602.8	520.7	ug/L	4.98	520.7	ug/L	4.98	0.96%
QC value within limits for Sn 189.927 Recovery = 104.15%								
Sr 421.552	1132002.8	917.9	ug/L	5.00	917.9	ug/L	5.00	0.54%
QC value within limits for Sr 421.552 Recovery = 91.79%								
Ti 337.279	84789.9	952.7	ug/L	13.31	952.7	ug/L	13.31	1.40%
QC value within limits for Ti 337.279 Recovery = 95.27%								
Tl 190.801	15021.6	988.7	ug/L	4.42	988.7	ug/L	4.42	0.45%
QC value within limits for Tl 190.801 Recovery = 98.87%								
V 292.402	309558.0	961.9	ug/L	2.73	961.9	ug/L	2.73	0.28%
QC value within limits for V 292.402 Recovery = 96.19%								
Zn 206.200	149157.6	1007	ug/L	2.0	1007	ug/L	2.0	0.20%
QC value within limits for Zn 206.200 Recovery = 100.75%								

All analyte(s) passed QC.

Sequence No.: 6
Sample ID: ICB 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/20/12 12:57:07 PM
Data Type: Reprocessed on 03/21/12 9:48:54 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	46.6	0.307	ug/L	0.3196	0.307	ug/L	0.3196	104.18%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	12.2	4.628	ug/L	9.6625	4.628	ug/L	9.6625	208.78%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-1.8	-0.280	ug/L	0.7241	-0.280	ug/L	0.7241	258.93%
QC value within limits for As 188.979 Recovery = Not calculated								
B	11.1	1.607	ug/L	1.2771	1.607	ug/L	1.2771	79.48%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-15.7	-0.061	ug/L	0.0202	-0.061	ug/L	0.0202	33.41%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	-83.2	-0.011	ug/L	0.0222	-0.011	ug/L	0.0222	193.82%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	-26.5	-1.343	ug/L	0.7597	-1.343	ug/L	0.7597	56.57%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	23.2	0.046	ug/L	0.0465	0.046	ug/L	0.0465	101.59%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	-15.6	-0.154	ug/L	0.0772	-0.154	ug/L	0.0772	50.13%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	5.5	0.031	ug/L	0.0687	0.031	ug/L	0.0687	218.93%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	-64.6	-0.360	ug/L	0.5389	-0.360	ug/L	0.5389	149.69%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-54.9	-1.506	ug/L	0.7995	-1.506	ug/L	0.7995	53.07%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	27.5	5.594	ug/L	31.8517	5.594	ug/L	31.8517	569.35%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	-13.9	-0.363	ug/L	0.4545	-0.363	ug/L	0.4545	125.24%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	7.2	0.082	ug/L	0.0426	0.082	ug/L	0.0426	52.19%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	2.6	0.045	ug/L	0.2296	0.045	ug/L	0.2296	508.23%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	-146.5	-10.61	ug/L	11.342	-10.61	ug/L	11.342	106.90%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-20.2	-0.242	ug/L	0.2124	-0.242	ug/L	0.2124	87.78%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	0.4	0.050	ug/L	1.2146	0.050	ug/L	1.2146	>999.9%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	-4.3	-0.206	ug/L	0.2791	-0.206	ug/L	0.2791	135.61%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	5.8	0.774	ug/L	0.3621	0.774	ug/L	0.3621	46.76%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-5.4	-1.007	ug/L	1.2000	-1.007	ug/L	1.2000	119.22%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	7.3	0.676	ug/L	0.1439	0.676	ug/L	0.1439	21.28%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	-81.9	-0.066	ug/L	0.0949	-0.066	ug/L	0.0949	142.96%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	14.4	0.162	ug/L	0.2202	0.162	ug/L	0.2202	136.24%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	10.4	0.677	ug/L	0.2943	0.677	ug/L	0.2943	43.49%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-19.1	-0.057	ug/L	0.1527	-0.057	ug/L	0.1527	268.06%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	37.1	0.250	ug/L	0.0672	0.250	ug/L	0.0672	26.84%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICSA 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 03/20/12 1:05:52 PM
Data Type: Reprocessed on 03/21/12 9:48:56 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	127.1	0.836	ug/L	0.1381	0.836	ug/L	0.1381	16.51%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	512491.1	193500	ug/L	1232.3	193500	ug/L	1232.3	0.64%
QC value within limits for Al 308.215 Recovery = 96.77%								
As 188.979	-3.2	-0.500	ug/L	1.6802	-0.500	ug/L	1.6802	335.83%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-4276.2	-31.04	ug/L	7.839	-31.04	ug/L	7.839	25.25%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	7486.4	-0.109	ug/L	0.2886	-0.109	ug/L	0.2886	265.85%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	21188.1	0.131	ug/L	0.0636	0.131	ug/L	0.0636	48.65%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	3772459.9	191200	ug/L	1451.2	191200	ug/L	1451.2	0.76%
QC value within limits for Ca 315.887 Recovery = 95.61%								
Cd 214.440	6546.0	0.033	ug/L	0.0920	0.033	ug/L	0.0920	278.81%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	928.3	-0.056	ug/L	0.0649	-0.056	ug/L	0.0649	116.09%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	1171.8	0.141	ug/L	0.2440	0.141	ug/L	0.2440	172.63%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	-1225.4	-0.141	ug/L	0.1984	-0.141	ug/L	0.1984	140.63%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	6416312.2	176600	ug/L	584.2	176600	ug/L	584.2	0.33%
QC value within limits for Fe 273.955 Recovery = 88.28%								
K 766.490	871.1	70.22	ug/L	26.659	70.22	ug/L	26.659	37.96%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	7143558.0	186900	ug/L	1127.2	186900	ug/L	1127.2	0.60%
QC value within limits for Mg 285.213 Recovery = 93.47%								
Mn 257.610	948.4	-0.759	ug/L	0.5267	-0.759	ug/L	0.5267	69.37%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-398.0	-1.542	ug/L	0.8814	-1.542	ug/L	0.8814	57.17%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	2014.2	-14.92	ug/L	8.552	-14.92	ug/L	8.552	57.31%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	810.1	0.046	ug/L	0.0961	0.046	ug/L	0.0961	208.59%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	89.9	10.30	ug/L	0.907	10.30	ug/L	0.907	8.81%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	11.6	0.550	ug/L	0.2833	0.550	ug/L	0.2833	51.49%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	1.8	0.237	ug/L	0.8590	0.237	ug/L	0.8590	361.74%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	53.3	9.995	ug/L	3.3188	9.995	ug/L	3.3188	33.20%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	51.1	4.748	ug/L	0.2693	4.748	ug/L	0.2693	5.67%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	6213.3	-0.760	ug/L	0.0316	-0.760	ug/L	0.0316	4.17%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	785.3	2.032	ug/L	0.3792	2.032	ug/L	0.3792	18.66%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	16.7	-0.818	ug/L	0.4496	-0.818	ug/L	0.4496	54.96%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	13829.6	-0.300	ug/L	0.1718	-0.300	ug/L	0.1718	57.20%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	3544.2	3.175	ug/L	0.1724	3.175	ug/L	0.1724	5.43%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSAB 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 03/20/12 1:09:28 PM
Data Type: Reprocessed on 03/21/12 9:48:57 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	146500.9	964.3	ug/L	3.00	964.3	ug/L	3.00	0.31%
QC value within limits for Ag 338.289 Recovery = 96.43%								
Al 308.215	500639.6	189100	ug/L	875.1	189100	ug/L	875.1	0.46%
QC value within limits for Al 308.215 Recovery = 94.53%								
As 188.979	2864.5	443.2	ug/L	7.89	443.2	ug/L	7.89	1.78%
QC value within limits for As 188.979 Recovery = 88.63%								
B	-4256.7	-32.29	ug/L	10.252	-32.29	ug/L	10.252	31.75%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	122587.6	445.6	ug/L	1.18	445.6	ug/L	1.18	0.27%
QC value within limits for Ba 233.527 Recovery = 89.13%								
Be 313.107	3165382.4	459.7	ug/L	1.74	459.7	ug/L	1.74	0.38%
QC value within limits for Be 313.107 Recovery = 91.94%								
Ca 315.887	3709166.1	188000	ug/L	831.7	188000	ug/L	831.7	0.44%
QC value within limits for Ca 315.887 Recovery = 94.00%								
Cd 214.440	466423.3	901.6	ug/L	2.84	901.6	ug/L	2.84	0.32%
QC value within limits for Cd 214.440 Recovery = 90.16%								
Co 228.616	48074.0	466.6	ug/L	3.74	466.6	ug/L	3.74	0.80%
QC value within limits for Co 228.616 Recovery = 93.32%								
Cr 267.716	81991.0	467.1	ug/L	1.44	467.1	ug/L	1.44	0.31%
QC value within limits for Cr 267.716 Recovery = 93.43%								
Cu 327.393	84509.0	478.3	ug/L	1.90	478.3	ug/L	1.90	0.40%
QC value within limits for Cu 327.393 Recovery = 95.65%								
Fe 273.955	6377056.2	175500	ug/L	580.0	175500	ug/L	580.0	0.33%
QC value within limits for Fe 273.955 Recovery = 87.73%								
K 766.490	903.9	74.05	ug/L	37.335	74.05	ug/L	37.335	50.42%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	7013218.7	183500	ug/L	788.0	183500	ug/L	788.0	0.43%
QC value within limits for Mg 285.213 Recovery = 91.77%								
Mn 257.610	43080.4	479.5	ug/L	2.10	479.5	ug/L	2.10	0.44%
QC value within limits for Mn 257.610 Recovery = 95.91%								
Mo 202.031	26419.0	470.3	ug/L	4.53	470.3	ug/L	4.53	0.96%
QC value within limits for Mo 202.031 Recovery = 94.06%								
Na 589.592	2266.3	2.805	ug/L	4.9311	2.805	ug/L	4.9311	175.82%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	76273.6	904.7	ug/L	2.42	904.7	ug/L	2.42	0.27%
QC value within limits for Ni 231.604 Recovery = 90.47%								
P 213.617	61.1	6.991	ug/L	1.7278	6.991	ug/L	1.7278	24.72%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	19355.3	921.2	ug/L	8.23	921.2	ug/L	8.23	0.89%
QC value within limits for Pb 220.353 Recovery = 92.12%								
Sb 206.836	3813.4	513.2	ug/L	1.01	513.2	ug/L	1.01	0.20%
QC value within limits for Sb 206.836 Recovery = 102.64%								
Se 196.026	2560.4	480.4	ug/L	9.74	480.4	ug/L	9.74	2.03%
QC value within limits for Se 196.026 Recovery = 96.08%								
Sn 189.927	47.7	4.435	ug/L	0.3941	4.435	ug/L	0.3941	8.89%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	6907.5	-0.143	ug/L	0.0647	-0.143	ug/L	0.0647	45.33%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	874.3	3.214	ug/L	0.9446	3.214	ug/L	0.9446	29.39%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	7060.8	458.9	ug/L	4.88	458.9	ug/L	4.88	1.06%
QC value within limits for Tl 190.801 Recovery = 91.78%								
V 292.402	160822.5	460.0	ug/L	1.89	460.0	ug/L	1.89	0.41%
QC value within limits for V 292.402 Recovery = 92.00%								
Zn 206.200	136521.9	901.2	ug/L	3.41	901.2	ug/L	3.41	0.38%
QC value within limits for Zn 206.200 Recovery = 90.12%								

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: CCV1 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/20/12 1:12:11 PM
Data Type: Reprocessed on 03/21/12 9:48:58 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	76788.3	505.5	ug/L	1.65	505.5	ug/L	1.65	0.33%
QC value within limits for Ag 338.289 Recovery = 101.09%								
Al 308.215	53529.0	20140	ug/L	279.1	20140	ug/L	279.1	1.39%
QC value within limits for Al 308.215 Recovery = 100.68%								
As 188.979	6656.1	1030	ug/L	2.7	1030	ug/L	2.7	0.26%
QC value within limits for As 188.979 Recovery = 102.98%								
B	6840.7	1065	ug/L	22.7	1065	ug/L	22.7	2.13%
QC value within limits for B Recovery = 106.46%								
Ba 233.527	266352.3	1027	ug/L	1.0	1027	ug/L	1.0	0.10%
QC value within limits for Ba 233.527 Recovery = 102.74%								
Be 313.107	7062846.5	1036	ug/L	2.3	1036	ug/L	2.3	0.22%
QC value within limits for Be 313.107 Recovery = 103.58%								
Ca 315.887	1019692.7	51720	ug/L	290.1	51720	ug/L	290.1	0.56%
QC value within limits for Ca 315.887 Recovery = 103.44%								
Cd 214.440	532315.8	1042	ug/L	1.8	1042	ug/L	1.8	0.17%
QC value within limits for Cd 214.440 Recovery = 104.22%								
Co 228.616	104992.6	1035	ug/L	2.1	1035	ug/L	2.1	0.20%
QC value within limits for Co 228.616 Recovery = 103.52%								
Cr 267.716	178069.7	1027	ug/L	0.8	1027	ug/L	0.8	0.08%
QC value within limits for Cr 267.716 Recovery = 102.66%								
Cu 327.393	181738.5	1017	ug/L	0.6	1017	ug/L	0.6	0.06%
QC value within limits for Cu 327.393 Recovery = 101.67%								
Fe 273.955	751789.9	20540	ug/L	31.5	20540	ug/L	31.5	0.15%
QC value within limits for Fe 273.955 Recovery = 102.70%								
K 766.490	99388.5	20140	ug/L	108.0	20140	ug/L	108.0	0.54%
QC value within limits for K 766.490 Recovery = 100.71%								
Mg 285.213	1991122.8	52110	ug/L	287.0	52110	ug/L	287.0	0.55%
QC value within limits for Mg 285.213 Recovery = 104.21%								
Mn 257.610	90020.8	1022	ug/L	15.4	1022	ug/L	15.4	1.50%
QC value within limits for Mn 257.610 Recovery = 102.22%								
Mo 202.031	60418.7	1063	ug/L	2.5	1063	ug/L	2.5	0.23%
QC value within limits for Mo 202.031 Recovery = 106.31%								
Na 589.592	354204.4	25610	ug/L	142.9	25610	ug/L	142.9	0.56%
QC value within limits for Na 589.592 Recovery = 102.43%								
Ni 231.604	86664.1	1036	ug/L	1.2	1036	ug/L	1.2	0.11%
QC value within limits for Ni 231.604 Recovery = 103.59%								
P 213.617	46108.2	5279	ug/L	8.2	5279	ug/L	8.2	0.16%
QC value within limits for P 213.617 Recovery = 105.58%								
Pb 220.353	22075.8	1051	ug/L	4.0	1051	ug/L	4.0	0.38%
QC value within limits for Pb 220.353 Recovery = 105.06%								
Sb 206.836	7621.9	1026	ug/L	4.7	1026	ug/L	4.7	0.46%
QC value within limits for Sb 206.836 Recovery = 102.57%								
Se 196.026	5490.0	1030	ug/L	4.8	1030	ug/L	4.8	0.47%
QC value within limits for Se 196.026 Recovery = 103.01%								
Sn 189.927	11124.2	1034	ug/L	3.4	1034	ug/L	3.4	0.33%
QC value within limits for Sn 189.927 Recovery = 103.39%								
Sr 421.552	1263399.7	1024	ug/L	6.6	1024	ug/L	6.6	0.65%
QC value within limits for Sr 421.552 Recovery = 102.42%								
Ti 337.279	89888.9	1009	ug/L	14.5	1009	ug/L	14.5	1.44%
QC value within limits for Ti 337.279 Recovery = 100.91%								
Tl 190.801	16319.8	1074	ug/L	2.2	1074	ug/L	2.2	0.20%
QC value within limits for Tl 190.801 Recovery = 107.38%								
V 292.402	335065.9	1042	ug/L	2.1	1042	ug/L	2.1	0.20%
QC value within limits for V 292.402 Recovery = 104.17%								
Zn 206.200	155121.8	1047	ug/L	2.1	1047	ug/L	2.1	0.20%
QC value within limits for Zn 206.200 Recovery = 104.67%								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: CCB 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/20/12 1:14:52 PM
Data Type: Reprocessed on 03/21/12 9:48:59 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	24.3	0.160	ug/L	0.1352	0.160	ug/L	0.1352	84.61%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	4.6	1.736	ug/L	8.4412	1.736	ug/L	8.4412	486.16%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	1.5	0.235	ug/L	0.2641	0.235	ug/L	0.2641	112.28%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-81.4	-11.76	ug/L	1.238	-11.76	ug/L	1.238	10.53%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	5.1	0.019	ug/L	0.0303	0.019	ug/L	0.0303	159.89%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	-129.4	-0.019	ug/L	0.0124	-0.019	ug/L	0.0124	65.80%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	19.4	0.991	ug/L	0.4258	0.991	ug/L	0.4258	42.97%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-3.0	-0.006	ug/L	0.0515	-0.006	ug/L	0.0515	840.64%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	-7.1	-0.070	ug/L	0.2557	-0.070	ug/L	0.2557	364.90%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	7.8	0.045	ug/L	0.1528	0.045	ug/L	0.1528	337.51%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	14.8	0.083	ug/L	1.1096	0.083	ug/L	1.1096	>999.9%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	206.0	5.688	ug/L	1.0872	5.688	ug/L	1.0872	19.12%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-238.0	-48.34	ug/L	22.925	-48.34	ug/L	22.925	47.42%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	41.8	1.097	ug/L	0.1445	1.097	ug/L	0.1445	13.17%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	-5.8	-0.066	ug/L	0.0989	-0.066	ug/L	0.0989	150.10%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-1.0	-0.018	ug/L	0.0801	-0.018	ug/L	0.0801	449.53%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	-167.3	-12.11	ug/L	5.451	-12.11	ug/L	5.451	45.03%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-7.8	-0.093	ug/L	0.1099	-0.093	ug/L	0.1099	117.90%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-8.0	-0.916	ug/L	0.3395	-0.916	ug/L	0.3395	37.07%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	2.4	0.113	ug/L	0.2155	0.113	ug/L	0.2155	190.06%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	7.4	0.991	ug/L	0.1928	0.991	ug/L	0.1928	19.44%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	0.2	0.029	ug/L	0.5925	0.029	ug/L	0.5925	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	3.4	0.313	ug/L	0.2960	0.313	ug/L	0.2960	94.71%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	-26.8	-0.022	ug/L	0.2056	-0.022	ug/L	0.2056	938.76%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	2.4	0.028	ug/L	0.1402	0.028	ug/L	0.1402	503.03%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	-12.4	-0.802	ug/L	0.6914	-0.802	ug/L	0.6914	86.25%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	21.6	0.065	ug/L	0.2225	0.065	ug/L	0.2225	344.13%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	28.4	0.191	ug/L	0.1456	0.191	ug/L	0.1456	76.24%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 44
Sample ID: CCV2 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 03/20/12 3:35:48 PM
Data Type: Reprocessed on 03/21/12 9:49:33 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV2 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	58473.9	384.9	ug/L	4.07	384.9	ug/L	4.07	1.06%
QC value within limits for Ag 338.289 Recovery = 102.64%								
Al 308.215	41967.9	15790	ug/L	212.1	15790	ug/L	212.1	1.34%
QC value within limits for Al 308.215 Recovery = 105.26%								
As 188.979	5083.6	786.5	ug/L	7.10	786.5	ug/L	7.10	0.90%
QC value within limits for As 188.979 Recovery = 104.87%								
B	5413.4	840.8	ug/L	19.31	840.8	ug/L	19.31	2.30%
QC value greater than the upper limit for B Recovery = 112.11%								
Ba 233.527	204953.7	790.5	ug/L	5.67	790.5	ug/L	5.67	0.72%
QC value within limits for Ba 233.527 Recovery = 105.41%								
Be 313.107	5406840.0	793.0	ug/L	5.83	793.0	ug/L	5.83	0.74%
QC value within limits for Be 313.107 Recovery = 105.74%								
Ca 315.887	791748.0	40160	ug/L	316.7	40160	ug/L	316.7	0.79%
QC value within limits for Ca 315.887 Recovery = 107.09%								
Cd 214.440	411379.3	805.4	ug/L	6.27	805.4	ug/L	6.27	0.78%
QC value within limits for Cd 214.440 Recovery = 107.39%								
Co 228.616	81032.1	798.8	ug/L	5.33	798.8	ug/L	5.33	0.67%
QC value within limits for Co 228.616 Recovery = 106.50%								
Cr 267.716	136187.4	785.1	ug/L	6.66	785.1	ug/L	6.66	0.85%
QC value within limits for Cr 267.716 Recovery = 104.69%								
Cu 327.393	137745.3	770.7	ug/L	4.18	770.7	ug/L	4.18	0.54%
QC value within limits for Cu 327.393 Recovery = 102.75%								
Fe 273.955	578904.1	15820	ug/L	114.7	15820	ug/L	114.7	0.73%
QC value within limits for Fe 273.955 Recovery = 105.45%								
K 766.490	77563.1	15720	ug/L	86.4	15720	ug/L	86.4	0.55%
QC value within limits for K 766.490 Recovery = 104.79%								
Mg 285.213	1522306.2	39840	ug/L	297.9	39840	ug/L	297.9	0.75%
QC value within limits for Mg 285.213 Recovery = 106.23%								
Mn 257.610	70586.3	801.6	ug/L	10.07	801.6	ug/L	10.07	1.26%
QC value within limits for Mn 257.610 Recovery = 106.87%								
Mo 202.031	43960.6	773.5	ug/L	4.75	773.5	ug/L	4.75	0.61%
QC value within limits for Mo 202.031 Recovery = 103.13%								
Na 589.592	277894.0	20090	ug/L	158.8	20090	ug/L	158.8	0.79%
QC value within limits for Na 589.592 Recovery = 107.15%								
Ni 231.604	66604.1	796.1	ug/L	7.23	796.1	ug/L	7.23	0.91%
QC value within limits for Ni 231.604 Recovery = 106.15%								
P 213.617	33922.3	3884	ug/L	43.4	3884	ug/L	43.4	1.12%
QC value within limits for P 213.617 Recovery = 103.57%								
Pb 220.353	16914.5	805.0	ug/L	3.67	805.0	ug/L	3.67	0.46%
QC value within limits for Pb 220.353 Recovery = 107.33%								
Sb 206.836	6057.1	815.1	ug/L	3.30	815.1	ug/L	3.30	0.41%
QC value within limits for Sb 206.836 Recovery = 108.68%								
Se 196.026	4274.3	802.0	ug/L	2.30	802.0	ug/L	2.30	0.29%
QC value within limits for Se 196.026 Recovery = 106.94%								
Sn 189.927	8706.5	809.2	ug/L	2.14	809.2	ug/L	2.14	0.26%
QC value within limits for Sn 189.927 Recovery = 107.89%								
Sr 421.552	974861.4	790.3	ug/L	6.02	790.3	ug/L	6.02	0.76%
QC value within limits for Sr 421.552 Recovery = 105.37%								
Ti 337.279	71858.3	806.7	ug/L	10.15	806.7	ug/L	10.15	1.26%
QC value within limits for Ti 337.279 Recovery = 107.56%								
Tl 190.801	12513.5	823.8	ug/L	2.56	823.8	ug/L	2.56	0.31%
QC value within limits for Tl 190.801 Recovery = 109.84%								
V 292.402	255171.6	792.7	ug/L	5.65	792.7	ug/L	5.65	0.71%
QC value within limits for V 292.402 Recovery = 105.70%								
Zn 206.200	120156.9	810.7	ug/L	5.53	810.7	ug/L	5.53	0.68%
QC value within limits for Zn 206.200 Recovery = 108.10%								

QC Failed. Continue with analysis.

Sequence No.: 45
Sample ID: CCB 120320BA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 03/20/12 3:39:16 PM
Data Type: Reprocessed on 03/21/12 9:49:34 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120320BA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	69.2	0.456	ug/L	0.0734	0.456	ug/L	0.0734	16.11%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	19.1	6.974	ug/L	9.9724	6.974	ug/L	9.9724	143.00%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	1.6	0.244	ug/L	1.2467	0.244	ug/L	1.2467	511.31%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-25.8	-3.713	ug/L	0.2195	-3.713	ug/L	0.2195	5.91%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-12.2	-0.049	ug/L	0.0284	-0.049	ug/L	0.0284	58.28%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	-628.4	-0.093	ug/L	0.0306	-0.093	ug/L	0.0306	32.96%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	-19.1	-1.198	ug/L	0.6361	-1.198	ug/L	0.6361	53.09%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	10.8	0.020	ug/L	0.0625	0.020	ug/L	0.0625	310.62%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	-18.2	-0.181	ug/L	0.1742	-0.181	ug/L	0.1742	96.14%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	7.1	0.040	ug/L	0.0659	0.040	ug/L	0.0659	165.62%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	-297.3	-1.659	ug/L	1.2355	-1.659	ug/L	1.2355	74.48%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	31.0	0.662	ug/L	0.2500	0.662	ug/L	0.2500	37.77%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	37.1	7.457	ug/L	25.7088	7.457	ug/L	25.7088	344.74%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	-6.8	-0.235	ug/L	0.8959	-0.235	ug/L	0.8959	380.95%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	5.1	0.055	ug/L	0.0649	0.055	ug/L	0.0649	117.08%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-0.1	-0.003	ug/L	0.1713	-0.003	ug/L	0.1713	>999.9%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	4650.9	336.8	ug/L	17.89	336.8	ug/L	17.89	5.31%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-49.3	-0.593	ug/L	0.2391	-0.593	ug/L	0.2391	40.34%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-6.0	-0.684	ug/L	0.1413	-0.684	ug/L	0.1413	20.65%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	-8.5	-0.403	ug/L	0.2879	-0.403	ug/L	0.2879	71.45%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	14.1	1.893	ug/L	1.1638	1.893	ug/L	1.1638	61.48%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	4.7	0.874	ug/L	2.1556	0.874	ug/L	2.1556	246.54%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	9.5	0.885	ug/L	0.1823	0.885	ug/L	0.1823	20.60%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	-40.3	-0.033	ug/L	0.0792	-0.033	ug/L	0.0792	239.59%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-4.5	-0.052	ug/L	0.0547	-0.052	ug/L	0.0547	104.36%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	-15.6	-1.010	ug/L	0.5822	-1.010	ug/L	0.5822	57.64%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	9.5	0.028	ug/L	0.4847	0.028	ug/L	0.4847	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-38.4	-0.261	ug/L	0.0855	-0.261	ug/L	0.0855	32.76%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 56
Sample ID: CCV1 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/20/12 4:31:46 PM
Data Type: Reprocessed on 03/21/12 9:49:46 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	81061.2	533.6	ug/L	5.12	533.6	ug/L	5.12	0.96%
QC value within limits for Ag 338.289 Recovery = 106.72%								
Al 308.215	56523.9	21260	ug/L	488.9	21260	ug/L	488.9	2.30%
QC value within limits for Al 308.215 Recovery = 106.31%								
As 188.979	6956.4	1076	ug/L	14.7	1076	ug/L	14.7	1.36%
QC value within limits for As 188.979 Recovery = 107.63%								
B	7245.9	1128	ug/L	26.5	1128	ug/L	26.5	2.35%
QC value greater than the upper limit for B Recovery = 112.77%								
Ba 233.527	283072.6	1092	ug/L	10.5	1092	ug/L	10.5	0.96%
QC value within limits for Ba 233.527 Recovery = 109.19%								
Be 313.107	7445139.5	1092	ug/L	6.6	1092	ug/L	6.6	0.61%
QC value within limits for Be 313.107 Recovery = 109.19%								
Ca 315.887	1087177.8	55140	ug/L	37.8	55140	ug/L	37.8	0.07%
QC value within limits for Ca 315.887 Recovery = 110.29%								
Cd 214.440	566914.7	1110	ug/L	11.7	1110	ug/L	11.7	1.05%
QC value greater than the upper limit for Cd 214.440 Recovery = 110.99%								
Co 228.616	111801.8	1102	ug/L	12.2	1102	ug/L	12.2	1.11%
QC value within limits for Co 228.616 Recovery = 110.23%								
Cr 267.716	187869.8	1083	ug/L	11.5	1083	ug/L	11.5	1.06%
QC value within limits for Cr 267.716 Recovery = 108.32%								
Cu 327.393	191111.9	1069	ug/L	8.8	1069	ug/L	8.8	0.82%
QC value within limits for Cu 327.393 Recovery = 106.92%								
Fe 273.955	798226.7	21810	ug/L	229.8	21810	ug/L	229.8	1.05%
QC value within limits for Fe 273.955 Recovery = 109.05%								
K 766.490	108152.5	21920	ug/L	464.0	21920	ug/L	464.0	2.12%
QC value within limits for K 766.490 Recovery = 109.60%								
Mg 285.213	2085044.5	54560	ug/L	48.7	54560	ug/L	48.7	0.09%
QC value within limits for Mg 285.213 Recovery = 109.13%								
Mn 257.610	94192.0	1070	ug/L	23.9	1070	ug/L	23.9	2.23%
QC value within limits for Mn 257.610 Recovery = 106.95%								
Mo 202.031	62833.4	1106	ug/L	10.1	1106	ug/L	10.1	0.91%
QC value greater than the upper limit for Mo 202.031 Recovery = 110.55%								
Na 589.592	377598.7	27300	ug/L	15.0	27300	ug/L	15.0	0.05%
QC value within limits for Na 589.592 Recovery = 109.19%								
Ni 231.604	91762.2	1097	ug/L	10.8	1097	ug/L	10.8	0.99%
QC value within limits for Ni 231.604 Recovery = 109.69%								
P 213.617	48520.2	5555	ug/L	66.4	5555	ug/L	66.4	1.20%
QC value greater than the upper limit for P 213.617 Recovery = 111.11%								
Pb 220.353	22945.6	1092	ug/L	9.1	1092	ug/L	9.1	0.83%
QC value within limits for Pb 220.353 Recovery = 109.20%								
Sb 206.836	8390.2	1129	ug/L	17.6	1129	ug/L	17.6	1.56%
QC value greater than the upper limit for Sb 206.836 Recovery = 112.91%								
Se 196.026	5837.8	1095	ug/L	8.6	1095	ug/L	8.6	0.78%
QC value within limits for Se 196.026 Recovery = 109.54%								
Sn 189.927	11698.8	1087	ug/L	11.4	1087	ug/L	11.4	1.05%
QC value within limits for Sn 189.927 Recovery = 108.73%								
Sr 421.552	1345834.3	1091	ug/L	1.1	1091	ug/L	1.1	0.10%
QC value within limits for Sr 421.552 Recovery = 109.10%								
Ti 337.279	97237.6	1092	ug/L	24.6	1092	ug/L	24.6	2.26%
QC value within limits for Ti 337.279 Recovery = 109.16%								
Tl 190.801	16940.5	1115	ug/L	11.4	1115	ug/L	11.4	1.02%
QC value greater than the upper limit for Tl 190.801 Recovery = 111.51%								
V 292.402	353992.2	1100	ug/L	10.6	1100	ug/L	10.6	0.96%
QC value within limits for V 292.402 Recovery = 110.02%								
Zn 206.200	165509.6	1117	ug/L	11.9	1117	ug/L	11.9	1.07%
QC value greater than the upper limit for Zn 206.200 Recovery = 111.68%								

QC Failed. Continue with analysis.

Sequence No.: 57
Sample ID: CCB 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/20/12 4:34:22 PM
Data Type: Reprocessed on 03/21/12 9:49:47 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	42.0	0.276	ug/L	0.0455	0.276	ug/L	0.0455	16.48%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	34.1	12.84	ug/L	3.608	12.84	ug/L	3.608	28.10%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	1.0	0.161	ug/L	0.8191	0.161	ug/L	0.8191	508.49%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-52.1	-7.547	ug/L	1.2285	-7.547	ug/L	1.2285	16.28%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	14.1	0.055	ug/L	0.0649	0.055	ug/L	0.0649	117.29%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	-647.0	-0.095	ug/L	0.0465	-0.095	ug/L	0.0465	48.78%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	510.8	25.92	ug/L	3.762	25.92	ug/L	3.762	14.51%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-21.0	-0.041	ug/L	0.0334	-0.041	ug/L	0.0334	80.80%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	-19.2	-0.190	ug/L	0.3038	-0.190	ug/L	0.3038	160.13%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-26.5	-0.154	ug/L	0.1820	-0.154	ug/L	0.1820	118.54%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	-122.6	-0.684	ug/L	0.3236	-0.684	ug/L	0.3236	47.29%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	-180.4	-5.054	ug/L	0.5025	-5.054	ug/L	0.5025	9.94%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-235.8	-47.94	ug/L	29.981	-47.94	ug/L	29.981	62.54%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	42.2	1.077	ug/L	0.4315	1.077	ug/L	0.4315	40.05%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	26.1	0.297	ug/L	0.0476	0.297	ug/L	0.0476	16.03%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-2.8	-0.050	ug/L	0.2248	-0.050	ug/L	0.2248	448.64%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	1041.9	75.45	ug/L	10.744	75.45	ug/L	10.744	14.24%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	1.3	0.016	ug/L	0.1119	0.016	ug/L	0.1119	718.51%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-0.2	-0.024	ug/L	0.5580	-0.024	ug/L	0.5580	>999.9%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	-17.6	-0.839	ug/L	0.3593	-0.839	ug/L	0.3593	42.83%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	5.0	0.678	ug/L	0.7873	0.678	ug/L	0.7873	116.12%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-0.5	-0.085	ug/L	2.0428	-0.085	ug/L	2.0428	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	17.4	1.620	ug/L	0.0734	1.620	ug/L	0.0734	4.53%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	65.3	0.053	ug/L	0.1627	0.053	ug/L	0.1627	309.30%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-8.3	-0.094	ug/L	0.2855	-0.094	ug/L	0.2855	303.38%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	-11.0	-0.710	ug/L	0.3815	-0.710	ug/L	0.3815	53.73%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	65.7	0.199	ug/L	0.2965	0.199	ug/L	0.2965	149.13%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-35.4	-0.241	ug/L	0.1155	-0.241	ug/L	0.1155	48.01%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 58
Sample ID: CCV1 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/20/12 6:29:49 PM
Data Type: Reprocessed on 03/21/12 9:49:48 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	74404.8	489.8	ug/L	2.64	489.8	ug/L	2.64	0.54%
QC value within limits for Ag 338.289 Recovery = 97.95%								
Al 308.215	53592.0	20160	ug/L	46.8	20160	ug/L	46.8	0.23%
QC value within limits for Al 308.215 Recovery = 100.80%								
As 188.979	6959.3	1077	ug/L	25.6	1077	ug/L	25.6	2.38%
QC value within limits for As 188.979 Recovery = 107.67%								
B	6957.7	1082	ug/L	9.2	1082	ug/L	9.2	0.85%
QC value within limits for B Recovery = 108.19%								
Ba 233.527	267484.0	1032	ug/L	13.1	1032	ug/L	13.1	1.27%
QC value within limits for Ba 233.527 Recovery = 103.17%								
Be 313.107	7101928.7	1042	ug/L	11.1	1042	ug/L	11.1	1.06%
QC value within limits for Be 313.107 Recovery = 104.15%								
Ca 315.887	1017115.5	51590	ug/L	190.8	51590	ug/L	190.8	0.37%
QC value within limits for Ca 315.887 Recovery = 103.18%								
Cd 214.440	550260.3	1077	ug/L	24.3	1077	ug/L	24.3	2.26%
QC value within limits for Cd 214.440 Recovery = 107.73%								
Co 228.616	106585.5	1051	ug/L	14.8	1051	ug/L	14.8	1.40%
QC value within limits for Co 228.616 Recovery = 105.09%								
Cr 267.716	177824.2	1025	ug/L	11.5	1025	ug/L	11.5	1.12%
QC value within limits for Cr 267.716 Recovery = 102.52%								
Cu 327.393	174344.4	975.5	ug/L	8.62	975.5	ug/L	8.62	0.88%
QC value within limits for Cu 327.393 Recovery = 97.55%								
Fe 273.955	758802.1	20740	ug/L	295.5	20740	ug/L	295.5	1.43%
QC value within limits for Fe 273.955 Recovery = 103.68%								
K 766.490	98794.0	20020	ug/L	66.0	20020	ug/L	66.0	0.33%
QC value within limits for K 766.490 Recovery = 100.11%								
Mg 285.213	1938886.8	50740	ug/L	28.0	50740	ug/L	28.0	0.06%
QC value within limits for Mg 285.213 Recovery = 101.48%								
Mn 257.610	91240.8	1036	ug/L	0.8	1036	ug/L	0.8	0.07%
QC value within limits for Mn 257.610 Recovery = 103.62%								
Mo 202.031	59846.7	1053	ug/L	14.5	1053	ug/L	14.5	1.37%
QC value within limits for Mo 202.031 Recovery = 105.30%								
Na 589.592	346715.4	25060	ug/L	25.6	25060	ug/L	25.6	0.10%
QC value within limits for Na 589.592 Recovery = 100.26%								
Ni 231.604	87623.6	1047	ug/L	14.9	1047	ug/L	14.9	1.43%
QC value within limits for Ni 231.604 Recovery = 104.74%								
P 213.617	47951.9	5490	ug/L	180.5	5490	ug/L	180.5	3.29%
QC value within limits for P 213.617 Recovery = 109.81%								
Pb 220.353	22254.9	1059	ug/L	24.8	1059	ug/L	24.8	2.34%
QC value within limits for Pb 220.353 Recovery = 105.92%								
Sb 206.836	8192.8	1103	ug/L	19.1	1103	ug/L	19.1	1.73%
QC value within limits for Sb 206.836 Recovery = 110.25%								
Se 196.026	5791.0	1087	ug/L	31.3	1087	ug/L	31.3	2.88%
QC value within limits for Se 196.026 Recovery = 108.66%								
Sn 189.927	11469.8	1066	ug/L	26.4	1066	ug/L	26.4	2.48%
QC value within limits for Sn 189.927 Recovery = 106.60%								
Sr 421.552	1244237.6	1009	ug/L	0.6	1009	ug/L	0.6	0.06%
QC value within limits for Sr 421.552 Recovery = 100.86%								
Ti 337.279	90694.8	1018	ug/L	2.1	1018	ug/L	2.1	0.20%
QC value within limits for Ti 337.279 Recovery = 101.82%								
Tl 190.801	16207.3	1067	ug/L	13.2	1067	ug/L	13.2	1.24%
QC value within limits for Tl 190.801 Recovery = 106.66%								
V 292.402	332104.3	1032	ug/L	9.7	1032	ug/L	9.7	0.94%
QC value within limits for V 292.402 Recovery = 103.25%								
Zn 206.200	161971.3	1093	ug/L	27.7	1093	ug/L	27.7	2.54%
QC value within limits for Zn 206.200 Recovery = 109.28%								

All analyte(s) passed QC.

Sequence No.: 59
Sample ID: CCB 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/20/12 6:34:31 PM
Data Type: Reprocessed on 03/21/12 9:49:49 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	3.7	0.024	ug/L	0.5284	0.024	ug/L	0.5284	>999.9%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	17.1	6.364	ug/L	2.7294	6.364	ug/L	2.7294	42.89%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	3.3	0.513	ug/L	0.9568	0.513	ug/L	0.9568	186.48%
QC value within limits for As 188.979 Recovery = Not calculated								
B	129.2	18.72	ug/L	2.970	18.72	ug/L	2.970	15.87%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-0.4	-0.003	ug/L	0.0520	-0.003	ug/L	0.0520	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	-316.6	-0.048	ug/L	0.0595	-0.048	ug/L	0.0595	124.13%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	1607.0	81.66	ug/L	8.192	81.66	ug/L	8.192	10.03%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-13.9	-0.028	ug/L	0.0148	-0.028	ug/L	0.0148	52.31%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	-14.5	-0.144	ug/L	0.1531	-0.144	ug/L	0.1531	106.11%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-17.2	-0.102	ug/L	0.0696	-0.102	ug/L	0.0696	68.34%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	-356.9	-1.990	ug/L	0.6196	-1.990	ug/L	0.6196	31.13%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	129.3	3.510	ug/L	0.4659	3.510	ug/L	0.4659	13.27%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-189.1	-38.48	ug/L	29.372	-38.48	ug/L	29.372	76.32%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	93.1	2.389	ug/L	0.4348	2.389	ug/L	0.4348	18.20%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	103.1	1.173	ug/L	0.0482	1.173	ug/L	0.0482	4.11%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-17.0	-0.300	ug/L	0.0286	-0.300	ug/L	0.0286	9.53%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	288.6	20.87	ug/L	10.798	20.87	ug/L	10.798	51.74%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-31.7	-0.381	ug/L	0.1709	-0.381	ug/L	0.1709	44.89%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-5.7	-0.651	ug/L	0.7778	-0.651	ug/L	0.7778	119.51%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	-15.9	-0.759	ug/L	0.3336	-0.759	ug/L	0.3336	43.97%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	1.5	0.209	ug/L	0.7999	0.209	ug/L	0.7999	383.48%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-0.3	-0.052	ug/L	1.8752	-0.052	ug/L	1.8752	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	105.5	9.802	ug/L	0.4315	9.802	ug/L	0.4315	4.40%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	-5.6	-0.006	ug/L	0.1257	-0.006	ug/L	0.1257	>999.9%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-26.9	-0.304	ug/L	0.1219	-0.304	ug/L	0.1219	40.10%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	-22.6	-1.456	ug/L	0.5694	-1.456	ug/L	0.5694	39.11%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-94.3	-0.294	ug/L	0.4859	-0.294	ug/L	0.4859	165.24%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-50.0	-0.340	ug/L	0.0670	-0.340	ug/L	0.0670	19.68%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 70
Sample ID: CCV2 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 03/20/12 7:30:35 PM
Data Type: Reprocessed on 03/21/12 9:50:00 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV2 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	56515.7	372.0	ug/L	3.03	372.0	ug/L	3.03	0.81%
QC value within limits for Ag 338.289 Recovery = 99.20%								
Al 308.215	39459.2	14840	ug/L	158.6	14840	ug/L	158.6	1.07%
QC value within limits for Al 308.215 Recovery = 98.96%								
As 188.979	5005.9	774.5	ug/L	6.22	774.5	ug/L	6.22	0.80%
QC value within limits for As 188.979 Recovery = 103.26%								
B	5091.6	792.5	ug/L	5.10	792.5	ug/L	5.10	0.64%
QC value within limits for B Recovery = 105.67%								
Ba 233.527	199853.6	770.9	ug/L	9.93	770.9	ug/L	9.93	1.29%
QC value within limits for Ba 233.527 Recovery = 102.79%								
Be 313.107	5228930.8	766.8	ug/L	4.13	766.8	ug/L	4.13	0.54%
QC value within limits for Be 313.107 Recovery = 102.24%								
Ca 315.887	754390.2	38260	ug/L	526.5	38260	ug/L	526.5	1.38%
QC value within limits for Ca 315.887 Recovery = 102.04%								
Cd 214.440	399052.7	781.3	ug/L	8.99	781.3	ug/L	8.99	1.15%
QC value within limits for Cd 214.440 Recovery = 104.17%								
Co 228.616	78699.2	775.9	ug/L	10.56	775.9	ug/L	10.56	1.36%
QC value within limits for Co 228.616 Recovery = 103.45%								
Cr 267.716	132656.4	764.8	ug/L	9.21	764.8	ug/L	9.21	1.20%
QC value within limits for Cr 267.716 Recovery = 101.98%								
Cu 327.393	134332.1	751.5	ug/L	6.59	751.5	ug/L	6.59	0.88%
QC value within limits for Cu 327.393 Recovery = 100.20%								
Fe 273.955	562254.0	15360	ug/L	192.7	15360	ug/L	192.7	1.25%
QC value within limits for Fe 273.955 Recovery = 102.42%								
K 766.490	74965.9	15190	ug/L	272.7	15190	ug/L	272.7	1.79%
QC value within limits for K 766.490 Recovery = 101.29%								
Mg 285.213	1467668.6	38410	ug/L	522.4	38410	ug/L	522.4	1.36%
QC value within limits for Mg 285.213 Recovery = 102.42%								
Mn 257.610	67376.7	765.1	ug/L	6.88	765.1	ug/L	6.88	0.90%
QC value within limits for Mn 257.610 Recovery = 102.01%								
Mo 202.031	42903.2	754.9	ug/L	8.27	754.9	ug/L	8.27	1.10%
QC value within limits for Mo 202.031 Recovery = 100.65%								
Na 589.592	261644.5	18920	ug/L	250.9	18920	ug/L	250.9	1.33%
QC value within limits for Na 589.592 Recovery = 100.88%								
Ni 231.604	64596.7	772.1	ug/L	10.17	772.1	ug/L	10.17	1.32%
QC value within limits for Ni 231.604 Recovery = 102.95%								
P 213.617	32415.1	3711	ug/L	46.2	3711	ug/L	46.2	1.24%
QC value within limits for P 213.617 Recovery = 98.97%								
Pb 220.353	16151.9	768.7	ug/L	3.27	768.7	ug/L	3.27	0.43%
QC value within limits for Pb 220.353 Recovery = 102.50%								
Sb 206.836	5974.7	804.0	ug/L	2.22	804.0	ug/L	2.22	0.28%
QC value within limits for Sb 206.836 Recovery = 107.20%								
Se 196.026	4044.6	758.9	ug/L	1.21	758.9	ug/L	1.21	0.16%
QC value within limits for Se 196.026 Recovery = 101.19%								
Sn 189.927	8276.6	769.3	ug/L	2.72	769.3	ug/L	2.72	0.35%
QC value within limits for Sn 189.927 Recovery = 102.57%								
Sr 421.552	936921.9	759.5	ug/L	10.21	759.5	ug/L	10.21	1.34%
QC value within limits for Sr 421.552 Recovery = 101.27%								
Ti 337.279	66788.7	749.8	ug/L	6.21	749.8	ug/L	6.21	0.83%
QC value within limits for Ti 337.279 Recovery = 99.97%								
Tl 190.801	12161.8	800.3	ug/L	2.18	800.3	ug/L	2.18	0.27%
QC value within limits for Tl 190.801 Recovery = 106.70%								
V 292.402	249378.4	774.8	ug/L	8.97	774.8	ug/L	8.97	1.16%
QC value within limits for V 292.402 Recovery = 103.30%								
Zn 206.200	117044.2	789.8	ug/L	9.88	789.8	ug/L	9.88	1.25%
QC value within limits for Zn 206.200 Recovery = 105.30%								

All analyte(s) passed QC.

Sequence No.: 71
Sample ID: CCB 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 03/20/12 7:34:46 PM
Data Type: Reprocessed on 03/21/12 9:50:01 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	-11.6	-0.077	ug/L	0.3937	-0.077	ug/L	0.3937	513.66%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	21.4	8.012	ug/L	2.7879	8.012	ug/L	2.7879	34.80%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	1.0	0.151	ug/L	0.8477	0.151	ug/L	0.8477	560.27%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-113.1	-16.36	ug/L	0.831	-16.36	ug/L	0.831	5.08%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	5.0	0.019	ug/L	0.0486	0.019	ug/L	0.0486	256.60%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	218.3	0.030	ug/L	0.0273	0.030	ug/L	0.0273	89.54%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	1909.4	97.04	ug/L	10.338	97.04	ug/L	10.338	10.65%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-2.2	-0.005	ug/L	0.0263	-0.005	ug/L	0.0263	506.43%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	-7.1	-0.072	ug/L	0.1429	-0.072	ug/L	0.1429	199.64%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-6.8	-0.041	ug/L	0.0518	-0.041	ug/L	0.0518	125.70%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	-174.0	-0.970	ug/L	0.4182	-0.970	ug/L	0.4182	43.12%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	11.6	0.230	ug/L	0.1737	0.230	ug/L	0.1737	75.63%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-116.1	-23.67	ug/L	49.111	-23.67	ug/L	49.111	207.50%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	87.2	2.228	ug/L	0.7900	2.228	ug/L	0.7900	35.45%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	53.2	0.604	ug/L	0.0969	0.604	ug/L	0.0969	16.04%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-29.9	-0.528	ug/L	0.1039	-0.528	ug/L	0.1039	19.69%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	192.0	13.86	ug/L	1.137	13.86	ug/L	1.137	8.20%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-33.2	-0.398	ug/L	0.2227	-0.398	ug/L	0.2227	55.94%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-17.8	-2.038	ug/L	0.3244	-2.038	ug/L	0.3244	15.92%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	-27.9	-1.326	ug/L	0.5236	-1.326	ug/L	0.5236	39.49%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-2.2	-0.297	ug/L	0.3739	-0.297	ug/L	0.3739	125.69%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-4.5	-0.835	ug/L	1.8326	-0.835	ug/L	1.8326	219.43%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	14.0	1.303	ug/L	0.0776	1.303	ug/L	0.0776	5.95%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	118.0	0.095	ug/L	0.0517	0.095	ug/L	0.0517	54.61%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-22.4	-0.253	ug/L	0.1834	-0.253	ug/L	0.1834	72.40%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	-25.4	-1.642	ug/L	0.2714	-1.642	ug/L	0.2714	16.53%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	-8.9	-0.036	ug/L	0.1184	-0.036	ug/L	0.1184	327.22%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-80.2	-0.543	ug/L	0.0311	-0.543	ug/L	0.0311	5.72%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 82
Sample ID: CCV1 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 03/20/12 8:28:45 PM
Data Type: Reprocessed on 03/21/12 9:50:11 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV1 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	75936.0	499.8	ug/L	3.18	499.8	ug/L	3.18	0.64%
QC value within limits for Ag 338.289 Recovery = 99.97%								
Al 308.215	53055.2	19960	ug/L	322.8	19960	ug/L	322.8	1.62%
QC value within limits for Al 308.215 Recovery = 99.79%								
As 188.979	6724.3	1040	ug/L	10.7	1040	ug/L	10.7	1.03%
QC value within limits for As 188.979 Recovery = 104.03%								
B	7056.0	1095	ug/L	18.9	1095	ug/L	18.9	1.73%
QC value within limits for B Recovery = 109.53%								
Ba 233.527	265801.4	1025	ug/L	6.2	1025	ug/L	6.2	0.60%
QC value within limits for Ba 233.527 Recovery = 102.53%								
Be 313.107	7009440.5	1028	ug/L	15.2	1028	ug/L	15.2	1.48%
QC value within limits for Be 313.107 Recovery = 102.80%								
Ca 315.887	1015558.9	51510	ug/L	328.9	51510	ug/L	328.9	0.64%
QC value within limits for Ca 315.887 Recovery = 103.02%								
Cd 214.440	529741.4	1037	ug/L	6.3	1037	ug/L	6.3	0.61%
QC value within limits for Cd 214.440 Recovery = 103.72%								
Co 228.616	104880.2	1034	ug/L	5.4	1034	ug/L	5.4	0.53%
QC value within limits for Co 228.616 Recovery = 103.41%								
Cr 267.716	176871.9	1020	ug/L	5.7	1020	ug/L	5.7	0.56%
QC value within limits for Cr 267.716 Recovery = 101.97%								
Cu 327.393	180236.3	1008	ug/L	4.3	1008	ug/L	4.3	0.42%
QC value within limits for Cu 327.393 Recovery = 100.83%								
Fe 273.955	747914.4	20430	ug/L	118.9	20430	ug/L	118.9	0.58%
QC value within limits for Fe 273.955 Recovery = 102.17%								
K 766.490	100380.7	20340	ug/L	310.1	20340	ug/L	310.1	1.52%
QC value within limits for K 766.490 Recovery = 101.72%								
Mg 285.213	1981918.0	51870	ug/L	322.5	51870	ug/L	322.5	0.62%
QC value within limits for Mg 285.213 Recovery = 103.73%								
Mn 257.610	90753.4	1031	ug/L	16.1	1031	ug/L	16.1	1.57%
QC value within limits for Mn 257.610 Recovery = 103.05%								
Mo 202.031	59480.4	1047	ug/L	9.5	1047	ug/L	9.5	0.91%
QC value within limits for Mo 202.031 Recovery = 104.66%								
Na 589.592	350075.0	25310	ug/L	168.1	25310	ug/L	168.1	0.66%
QC value within limits for Na 589.592 Recovery = 101.23%								
Ni 231.604	85855.7	1026	ug/L	6.3	1026	ug/L	6.3	0.62%
QC value within limits for Ni 231.604 Recovery = 102.62%								
P 213.617	45150.2	5170	ug/L	57.3	5170	ug/L	57.3	1.11%
QC value within limits for P 213.617 Recovery = 103.39%								
Pb 220.353	21372.5	1017	ug/L	12.4	1017	ug/L	12.4	1.22%
QC value within limits for Pb 220.353 Recovery = 101.72%								
Sb 206.836	8047.7	1083	ug/L	12.3	1083	ug/L	12.3	1.14%
QC value within limits for Sb 206.836 Recovery = 108.30%								
Se 196.026	5371.9	1008	ug/L	8.4	1008	ug/L	8.4	0.83%
QC value within limits for Se 196.026 Recovery = 100.80%								
Sn 189.927	11006.6	1023	ug/L	8.2	1023	ug/L	8.2	0.80%
QC value within limits for Sn 189.927 Recovery = 102.30%								
Sr 421.552	1264126.9	1025	ug/L	6.3	1025	ug/L	6.3	0.61%
QC value within limits for Sr 421.552 Recovery = 102.48%								
Ti 337.279	90615.6	1017	ug/L	14.5	1017	ug/L	14.5	1.42%
QC value within limits for Ti 337.279 Recovery = 101.73%								
Tl 190.801	16087.4	1059	ug/L	9.3	1059	ug/L	9.3	0.88%
QC value within limits for Tl 190.801 Recovery = 105.89%								
V 292.402	333679.0	1037	ug/L	6.8	1037	ug/L	6.8	0.66%
QC value within limits for V 292.402 Recovery = 103.72%								
Zn 206.200	155086.6	1046	ug/L	6.9	1046	ug/L	6.9	0.66%
QC value within limits for Zn 206.200 Recovery = 104.65%								

All analyte(s) passed QC.

Sequence No.: 83
Sample ID: CCB 120320EA I:PB O:EA
Analyst:
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 03/20/12 8:33:26 PM
Data Type: Reprocessed on 03/21/12 9:50:12 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB 120320EA I:PB O:EA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	37.5	0.247	ug/L	0.1405	0.247	ug/L	0.1405	56.86%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215	21.5	8.094	ug/L	3.8550	8.094	ug/L	3.8550	47.63%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979	-7.3	-1.134	ug/L	1.5629	-1.134	ug/L	1.5629	137.85%
QC value within limits for As 188.979 Recovery = Not calculated								
B	-95.2	-13.76	ug/L	0.692	-13.76	ug/L	0.692	5.03%
QC value within limits for B Recovery = Not calculated								
Ba 233.527	-4.8	-0.019	ug/L	0.0285	-0.019	ug/L	0.0285	151.98%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107	140.1	0.019	ug/L	0.0295	0.019	ug/L	0.0295	153.90%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887	1113.5	56.59	ug/L	10.304	56.59	ug/L	10.304	18.21%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440	-13.2	-0.027	ug/L	0.0179	-0.027	ug/L	0.0179	67.36%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616	-21.8	-0.216	ug/L	0.1126	-0.216	ug/L	0.1126	52.02%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716	-17.9	-0.104	ug/L	0.0685	-0.104	ug/L	0.0685	65.71%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393	-387.6	-2.162	ug/L	0.6187	-2.162	ug/L	0.6187	28.62%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955	78.3	2.096	ug/L	0.6397	2.096	ug/L	0.6397	30.51%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 766.490	-91.1	-18.55	ug/L	4.660	-18.55	ug/L	4.660	25.12%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213	31.1	0.781	ug/L	0.4728	0.781	ug/L	0.4728	60.54%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610	56.9	0.648	ug/L	0.1553	0.648	ug/L	0.1553	23.99%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-19.9	-0.350	ug/L	0.1826	-0.350	ug/L	0.1826	52.19%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592	103.6	7.478	ug/L	11.0708	7.478	ug/L	11.0708	148.04%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604	-12.5	-0.150	ug/L	0.1671	-0.150	ug/L	0.1671	111.39%
QC value within limits for Ni 231.604 Recovery = Not calculated								
P 213.617	-14.9	-1.703	ug/L	0.6738	-1.703	ug/L	0.6738	39.56%
QC value within limits for P 213.617 Recovery = Not calculated								
Pb 220.353	-23.6	-1.125	ug/L	0.3862	-1.125	ug/L	0.3862	34.34%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836	-3.6	-0.483	ug/L	0.5905	-0.483	ug/L	0.5905	122.27%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026	-3.1	-0.577	ug/L	2.1593	-0.577	ug/L	2.1593	373.98%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927	5.1	0.471	ug/L	0.0740	0.471	ug/L	0.0740	15.70%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552	26.2	0.021	ug/L	0.1549	0.021	ug/L	0.1549	753.03%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 337.279	-22.9	-0.259	ug/L	0.0759	-0.259	ug/L	0.0759	29.34%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801	-15.8	-1.014	ug/L	0.2063	-1.014	ug/L	0.2063	20.35%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402	46.8	0.136	ug/L	0.3221	0.136	ug/L	0.3221	237.43%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-35.2	-0.239	ug/L	0.0500	-0.239	ug/L	0.0500	20.87%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

METALS
EPA SW846 - 6010B
Raw Data

APPL, INC.

Sequence No.: 69
Sample ID: AY56792S01
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.03 g
Dilution:

Autosampler Location: 90
Date Collected: 03/20/12 7:24:55 PM
Data Type: Reprocessed on 03/21/12 9:49:59 AM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56792S01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	4105.1	27.02	ug/L	0.216	2.623	mg/kg	0.0210	0.80%
Al 308.215	81414.3	28710	ug/L	147.3	2787	mg/kg	14.3	0.51%
As 188.979	30.3	4.695	ug/L	1.1462	0.456	mg/kg	0.1113	24.42%
B	340.1	240.0	ug/L	3.40	23.30	mg/kg	0.330	1.42%
Ba 233.527	13263.1	40.63	ug/L	0.056	3.944	mg/kg	0.0055	0.14%
Be 313.107	163.2	-6.371	ug/L	0.1162	-0.619	mg/kg	0.0113	1.82%
Ca 315.887	38732477.4	1969000	ug/L	26595.5	191100	mg/kg	2582.1	1.35%
Cd 214.440	1560.1	-12.97	ug/L	0.235	-1.259	mg/kg	0.0228	1.81%
Co 228.616	539.4	-10.97	ug/L	0.207	-1.065	mg/kg	0.0201	1.89%
Cr 267.716	7302.9	18.09	ug/L	0.442	1.757	mg/kg	0.0429	2.44%
Cu 327.393	314.5	36.03	ug/L	2.467	3.498	mg/kg	0.2395	6.85%
Fe 273.955	657851.5	16460	ug/L	62.9	1598	mg/kg	6.1	0.38%
K 766.490	57067.9	9952	ug/L	82.9	966.2	mg/kg	8.04	0.83%
Mg 285.213	937603.7	23490	ug/L	100.9	2281	mg/kg	9.8	0.43%
Mn 257.610	52590.1	570.2	ug/L	9.08	55.36	mg/kg	0.882	1.59%
Mo 202.031	-55.1	-19.53	ug/L	0.159	-1.896	mg/kg	0.0154	0.81%
Na 589.592	19421.8	448.5	ug/L	20.26	43.54	mg/kg	1.967	4.52%
Ni 231.604	1204.6	-6.594	ug/L	0.2609	-0.640	mg/kg	0.0253	3.96%
P 213.617	3845.2	440.3	ug/L	2.63	42.74	mg/kg	0.255	0.60%
Pb 220.353	138.8	6.608	ug/L	0.6448	0.642	mg/kg	0.0626	9.76%
Sb 206.836	-37.5	-5.047	ug/L	0.5401	-0.490	mg/kg	0.0524	10.70%
Se 196.026	-56.8	-10.67	ug/L	0.848	-1.035	mg/kg	0.0823	7.95%
Sn 189.927	-118.8	-11.04	ug/L	0.293	-1.072	mg/kg	0.0284	2.65%
Sr 421.552	1775213.0	1419	ug/L	7.9	137.8	mg/kg	0.77	0.56%
Ti 337.279	18823.7	184.0	ug/L	2.66	17.87	mg/kg	0.258	1.44%
Tl 190.801	-125.7	-8.418	ug/L	0.9547	-0.817	mg/kg	0.0927	11.34%
V 292.402	23495.4	53.97	ug/L	0.070	5.240	mg/kg	0.0068	0.13%
Zn 206.200	10635.5	10.15	ug/L	0.762	0.985	mg/kg	0.0740	7.51%

Sequence No.: 72
Sample ID: AY56793S01
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.07 g
Dilution:

Autosampler Location: 91
Date Collected: 03/20/12 7:39:36 PM
Data Type: Reprocessed on 03/21/12 9:50:02 AM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56793S01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	5048.7	33.23	ug/L	0.538	3.106	mg/kg	0.0503	1.62%
Al 308.215	132067.0	47690	ug/L	79.7	4457	mg/kg	7.4	0.17%
As 188.979	51.1	7.912	ug/L	0.3337	0.739	mg/kg	0.0312	4.22%
B	441.4	294.8	ug/L	6.72	27.55	mg/kg	0.628	2.28%
Ba 233.527	28073.4	95.84	ug/L	0.405	8.957	mg/kg	0.0378	0.42%
Be 313.107	2040.3	-6.483	ug/L	0.0366	-0.606	mg/kg	0.0034	0.56%
Ca 315.887	42226701.1	2146000	ug/L	15490.7	200600	mg/kg	1447.7	0.72%
Cd 214.440	1367.4	-15.18	ug/L	0.174	-1.419	mg/kg	0.0163	1.15%
Co 228.616	1054.7	-7.853	ug/L	0.2570	-0.734	mg/kg	0.0240	3.27%
Cr 267.716	10640.0	35.17	ug/L	0.186	3.287	mg/kg	0.0174	0.53%
Cu 327.393	1326.1	45.05	ug/L	0.486	4.210	mg/kg	0.0455	1.08%
Fe 273.955	970611.7	24920	ug/L	238.6	2329	mg/kg	22.3	0.96%
K 766.490	85147.4	15510	ug/L	14.2	1449	mg/kg	1.3	0.09%
Mg 285.213	983208.6	24590	ug/L	59.5	2298	mg/kg	5.6	0.24%
Mn 257.610	60207.0	654.4	ug/L	6.55	61.16	mg/kg	0.612	1.00%
Mo 202.031	42.7	-19.20	ug/L	0.240	-1.795	mg/kg	0.0224	1.25%
Na 589.592	16821.8	169.9	ug/L	6.34	15.88	mg/kg	0.593	3.73%
Ni 231.604	4436.4	29.97	ug/L	0.560	2.801	mg/kg	0.0523	1.87%
P 213.617	4360.2	499.2	ug/L	3.18	46.66	mg/kg	0.297	0.64%
Pb 220.353	388.6	18.49	ug/L	0.192	1.728	mg/kg	0.0179	1.04%
Sb 206.836	5.9	0.793	ug/L	0.3666	0.074	mg/kg	0.0343	46.22%
Se 196.026	-64.6	-12.13	ug/L	1.102	-1.134	mg/kg	0.1030	9.08%
Sn 189.927	-91.3	-8.487	ug/L	0.6070	-0.793	mg/kg	0.0567	7.15%
Sr 421.552	1360174.1	1080	ug/L	3.2	101.0	mg/kg	0.30	0.29%
Ti 337.279	26583.2	268.7	ug/L	3.15	25.11	mg/kg	0.295	1.17%
Tl 190.801	-145.9	-8.855	ug/L	0.6806	-0.828	mg/kg	0.0636	7.69%
V 292.402	28641.0	66.57	ug/L	0.652	6.221	mg/kg	0.0609	0.98%
Zn 206.200	18785.4	59.02	ug/L	0.810	5.516	mg/kg	0.0757	1.37%

Sequence No.: 73
Sample ID: AY56794S01
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.07 g
Dilution:

Autosampler Location: 92
Date Collected: 03/20/12 7:45:17 PM
Data Type: Reprocessed on 03/21/12 9:50:03 AM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56794S01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	4194.6	27.61	ug/L	0.225	2.580	mg/kg	0.0210	0.81%
Al 308.215	302153.6	112200	ug/L	1000.3	10490	mg/kg	93.5	0.89%
As 188.979	204.6	31.65	ug/L	2.924	2.958	mg/kg	0.2733	9.24%
B	-49.7	306.2	ug/L	0.80	28.62	mg/kg	0.075	0.26%
Ba 233.527	69678.5	253.0	ug/L	2.52	23.64	mg/kg	0.236	1.00%
Be 313.107	21060.2	-1.657	ug/L	0.0793	-0.155	mg/kg	0.0074	4.78%
Ca 315.887	38943440.3	1979000	ug/L	14980.6	185000	mg/kg	1400.1	0.76%
Cd 214.440	3674.6	-10.98	ug/L	0.102	-1.026	mg/kg	0.0095	0.93%
Co 228.616	3927.4	19.25	ug/L	1.039	1.799	mg/kg	0.0971	5.40%
Cr 267.716	19597.0	88.57	ug/L	0.429	8.278	mg/kg	0.0401	0.48%
Cu 327.393	53276.8	333.3	ug/L	2.88	31.15	mg/kg	0.269	0.86%
Fe 273.955	2003380.5	53500	ug/L	362.2	5000	mg/kg	33.8	0.68%
K 766.490	127689.9	24290	ug/L	274.3	2270	mg/kg	25.6	1.13%
Mg 285.213	1136748.8	28690	ug/L	284.0	2681	mg/kg	26.5	0.99%
Mn 257.610	83410.7	920.7	ug/L	12.60	86.05	mg/kg	1.178	1.37%
Mo 202.031	-6.1	-17.27	ug/L	0.518	-1.614	mg/kg	0.0484	3.00%
Na 589.592	40862.0	1977	ug/L	35.3	184.8	mg/kg	3.30	1.78%
Ni 231.604	7693.4	69.40	ug/L	0.254	6.486	mg/kg	0.0238	0.37%
P 213.617	6356.7	727.8	ug/L	3.21	68.02	mg/kg	0.300	0.44%
Pb 220.353	947.9	45.11	ug/L	1.228	4.216	mg/kg	0.1148	2.72%
Sb 206.836	-4.7	-0.637	ug/L	2.3038	-0.060	mg/kg	0.2153	361.57%
Se 196.026	31.9	5.982	ug/L	5.7667	0.559	mg/kg	0.5389	96.40%
Sn 189.927	-74.1	-6.891	ug/L	0.4882	-0.644	mg/kg	0.0456	7.09%
Sr 421.552	1030139.2	813.8	ug/L	7.42	76.05	mg/kg	0.694	0.91%
Ti 337.279	66670.5	721.3	ug/L	9.24	67.41	mg/kg	0.864	1.28%
Tl 190.801	2.0	8.095	ug/L	3.5998	0.757	mg/kg	0.3364	44.47%
V 292.402	63392.4	167.2	ug/L	0.30	15.62	mg/kg	0.028	0.18%
Zn 206.200	53391.6	295.0	ug/L	0.62	27.57	mg/kg	0.058	0.21%

Sequence No.: 48
Sample ID: 120314A-3050G-BLK
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1 g
Dilution:

Autosampler Location: 68
Date Collected: 03/20/12 3:51:29 PM
Data Type: Reprooessed on 03/21/12 9:49:37 AM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: 120314A-3050G-BLK

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	63.3	0.417	ug/L	0.4135	0.042	mg/kg	0.0413	99.19%
Al 308.215	5.9	2.058	ug/L	4.5328	0.206	mg/kg	0.4533	220.28%
As 188.979	-0.7	-0.105	ug/L	0.5800	-0.010	mg/kg	0.0580	554.73%
B	-108.6	-15.62	ug/L	1.585	-1.562	mg/kg	0.1585	10.15%
Ba 233.527	-0.1	-0.006	ug/L	0.0530	-0.001	mg/kg	0.0053	932.35%
Be 313.107	-691.6	-0.101	ug/L	0.0071	-0.010	mg/kg	0.0007	7.06%
Ca 315.887	276.7	13.91	ug/L	0.216	1.391	mg/kg	0.0216	1.55%
Cd 214.440	-26.8	-0.055	ug/L	0.0535	-0.006	mg/kg	0.0054	96.63%
Co 228.616	1.6	0.012	ug/L	0.1405	0.001	mg/kg	0.0141	>999.9%
Cr 267.716	21.5	0.122	ug/L	0.0529	0.012	mg/kg	0.0053	43.21%
Cu 327.393	-455.8	-2.541	ug/L	0.7436	-0.254	mg/kg	0.0744	29.26%
Fe 273.955	1056.8	29.06	ug/L	1.034	2.906	mg/kg	0.1034	3.56%
K 766.490	-114.9	-23.39	ug/L	39.493	-2.339	mg/kg	3.9493	168.85%
Mg 285.213	90.2	2.328	ug/L	0.3369	0.233	mg/kg	0.0337	14.47%
Mn 257.610	45.8	0.521	ug/L	0.2593	0.052	mg/kg	0.0259	49.75%
Mo 202.031	-23.7	-0.415	ug/L	0.1049	-0.042	mg/kg	0.0105	25.27%
Na 589.592	2350.4	170.2	ug/L	2.90	17.02	mg/kg	0.290	1.70%
Ni 231.604	-29.5	-0.355	ug/L	0.0905	-0.036	mg/kg	0.0091	25.47%
P 213.617	64.2	7.349	ug/L	1.1506	0.735	mg/kg	0.1151	15.66%
Pb 220.353	-24.9	-1.187	ug/L	0.4079	-0.119	mg/kg	0.0408	34.37%
Sb 206.836	-4.1	-0.553	ug/L	0.0949	-0.055	mg/kg	0.0095	17.14%
Se 196.026	-11.6	-2.182	ug/L	1.7625	-0.218	mg/kg	0.1763	80.77%
Sn 189.927	-8.0	-0.740	ug/L	0.2005	-0.074	mg/kg	0.0200	27.09%
Sr 421.552	174.9	0.141	ug/L	0.1920	0.014	mg/kg	0.0192	136.08%
Ti 337.279	24.0	0.269	ug/L	0.3920	0.027	mg/kg	0.0392	145.85%
Tl 190.801	-22.3	-1.435	ug/L	0.2995	-0.143	mg/kg	0.0299	20.87%
V 292.402	-45.6	-0.152	ug/L	0.2026	-0.015	mg/kg	0.0203	133.43%
Zn 206.200	-36.8	-0.251	ug/L	0.0572	-0.025	mg/kg	0.0057	22.83%

Sequence No.: 49
Sample ID: 120314A-3050G-LCS
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1 g
Dilution:

Autosampler Location: 69
Date Collected: 03/20/12 3:55:52 PM
Data Type: Reprocessed on 03/21/12 9:49:38 AM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: 120314A-3050G-LCS

Analyte	Mean Correctad Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	10756.3	70.80	ug/L	1.034	7.080	mg/kg	0.1034	1.46%
Al 308.215	5607.9	2054	ug/L	33.9	205.4	mg/kg	3.39	1.65%
As 188.979	1716.0	265.5	ug/L	1.52	26.55	mg/kg	0.152	0.57%
B	1628.3	244.5	ug/L	5.90	24.45	mg/kg	0.590	2.41%
Ba 233.527	67473.8	260.7	ug/L	3.02	26.07	mg/kg	0.302	1.16%
Be 313.107	371195.8	55.20	ug/L	0.624	5.520	mg/kg	0.0624	1.13%
Ca 315.887	544614.2	27640	ug/L	273.1	2764	mg/kg	27.3	0.99%
Cd 214.440	28310.1	55.29	ug/L	0.029	5.529	mg/kg	0.0029	0.05%
Co 228.616	28730.8	283.2	ug/L	0.39	28.32	mg/kg	0.039	0.14%
Cr 267.716	48978.4	281.8	ug/L	3.44	28.18	mg/kg	0.344	1.22%
Cu 327.393	46419.0	259.5	ug/L	4.45	25.95	mg/kg	0.445	1.72%
Fe 273.955	42005.0	1075	ug/L	14.0	107.5	mg/kg	1.40	1.30%
K 766.490	26374.5	5331	ug/L	64.1	533.1	mg/kg	6.41	1.20%
Mg 285.213	1026723.2	26870	ug/L	251.2	2687	mg/kg	25.1	0.94%
Mn 257.610	24467.8	276.8	ug/L	3.61	27.68	mg/kg	0.361	1.30%
Mo 202.031	16023.8	281.5	ug/L	0.33	28.15	mg/kg	0.033	0.12%
Na 589.592	371966.6	26920	ug/L	220.0	2692	mg/kg	22.0	0.82%
Ni 231.604	24044.1	287.2	ug/L	0.75	28.72	mg/kg	0.075	0.26%
P 213.617	19384.7	2219	ug/L	2.4	221.9	mg/kg	0.24	0.11%
Pb 220.353	5770.9	274.7	ug/L	0.39	27.47	mg/kg	0.039	0.14%
Sb 206.836	2248.5	302.6	ug/L	0.24	30.26	mg/kg	0.024	0.08%
Se 196.026	1466.0	275.1	ug/L	2.49	27.51	mg/kg	0.249	0.90%
Sn 189.927	3247.6	301.8	ug/L	1.02	30.18	mg/kg	0.102	0.34%
Sr 421.552	328944.9	266.5	ug/L	2.16	26.65	mg/kg	0.216	0.81%
Ti 337.279	25583.1	286.7	ug/L	3.63	28.67	mg/kg	0.363	1.27%
Tl 190.801	4150.7	273.3	ug/L	0.61	27.33	mg/kg	0.061	0.22%
V 292.402	87572.8	273.2	ug/L	3.90	27.32	mg/kg	0.390	1.43%
Zn 206.200	81666.9	549.7	ug/L	5.33	54.97	mg/kg	0.533	0.97%

Sequence No.: 76
Sample ID: AY56794S01-A
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.07 g
Dilution:

Autosampler Location: 95
Date Collected: 03/20/12 7:59:33 PM
Data Type: Reprocessed on 03/21/12 9:50:06 AM

Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56794S01-A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 338.289	31809.9	209.4	ug/L	2.75	19.57	mg/kg	0.257	1.31%
Al 308.215	302985.5	112500	ug/L	2098.0	10510	mg/kg	196.1	1.86%
As 188.979	2811.7	435.0	ug/L	7.97	40.66	mg/kg	0.745	1.83%
B	2864.8	732.4	ug/L	13.44	68.45	mg/kg	1.256	1.84%
Ba 233.527	159996.4	602.3	ug/L	6.72	56.29	mg/kg	0.628	1.12%
Be 313.107	532963.0	74.80	ug/L	0.781	6.990	mg/kg	0.0730	1.04%
Ca 315.887	38730252.4	1968000	ug/L	26651.8	184000	mg/kg	2490.8	1.35%
Cd 214.440	39483.8	59.41	ug/L	1.298	5.552	mg/kg	0.1214	2.19%
Co 228.616	41061.1	385.6	ug/L	5.36	36.03	mg/kg	0.501	1.39%
Cr 267.716	83909.9	459.0	ug/L	4.82	42.90	mg/kg	0.451	1.05%
Cu 327.393	120965.4	710.9	ug/L	5.12	66.44	mg/kg	0.478	0.72%
Fe 273.955	2003922.2	53440	ug/L	530.6	4994	mg/kg	49.6	0.99%
K 766.490	167752.4	32430	ug/L	657.9	3031	mg/kg	61.5	2.03%
Mg 285.213	2636113.7	67950	ug/L	1193.0	6351	mg/kg	111.5	1.76%
Mn 257.610	118319.7	1316	ug/L	27.3	123.0	mg/kg	2.55	2.08%
Mo 202.031	22851.2	384.6	ug/L	4.36	35.94	mg/kg	0.407	1.13%
Na 589.592	634273.9	44950	ug/L	800.3	4201	mg/kg	74.8	1.78%
Ni 231.604	35996.5	407.8	ug/L	5.01	38.11	mg/kg	0.468	1.23%
P 213.617	34458.4	3945	ug/L	62.4	368.7	mg/kg	5.83	1.58%
Pb 220.353	8177.3	389.2	ug/L	5.38	36.37	mg/kg	0.503	1.38%
Sb 206.836	3420.5	460.3	ug/L	10.03	43.02	mg/kg	0.937	2.18%
Se 196.026	2155.1	404.4	ug/L	14.48	37.79	mg/kg	1.353	3.58%
Sn 189.927	4414.3	410.3	ug/L	5.51	38.34	mg/kg	0.514	1.34%
Sr 421.552	1506355.1	1200	ug/L	20.8	112.2	mg/kg	1.94	1.73%
Ti 337.279	105444.9	1157	ug/L	22.8	108.1	mg/kg	2.13	1.97%
Tl 190.801	5285.1	357.2	ug/L	2.26	33.39	mg/kg	0.211	0.63%
V 292.402	184176.1	544.7	ug/L	5.82	50.90	mg/kg	0.544	1.07%
Zn 206.200	138007.3	866.1	ug/L	10.58	80.94	mg/kg	0.989	1.22%

Sequence No.: 77
Sample ID: AY56794S01-1/5
Analyst: EA
Logged In Analyst (Original) : chemist_metals
Initial Sample Wt: 1.07 g
Dilution: 5X

Autosampler Location: 96
Date Collected: 03/20/12 8:04:21 PM
Data Type: Reprocessed on 03/21/12 9:50:07 AM
Initial Sample Vol:
Sample Prep Vol: 100 mL

Mean Data: AY56794S01-1/5

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 338.289	1067.3	7.026	ug/L	0.2277	3.283	mg/kg	0.1064	3.24%
Al 308.215	76584.4	28400	ug/L	348.2	13270	mg/kg	162.7	1.23%
As 188.979	20.0	3.097	ug/L	0.9413	1.447	mg/kg	0.4399	30.40%
B	-84.5	75.11	ug/L	3.411	35.10	mg/kg	1.594	4.54%
Ba 233.527	18581.4	67.26	ug/L	1.242	31.43	mg/kg	0.580	1.85%
Be 313.107	-489.0	-1.410	ug/L	0.0311	-0.659	mg/kg	0.0145	2.20%
Ca 315.887	10659590.7	541800	ug/L	8372.7	253200	mg/kg	3912.5	1.55%
Cd 214.440	632.6	-3.788	ug/L	0.1000	-1.770	mg/kg	0.0467	2.64%
Co 228.616	687.2	1.468	ug/L	0.1555	0.686	mg/kg	0.0727	10.59%
Cr 267.716	4597.6	19.86	ug/L	0.226	9.278	mg/kg	0.1055	1.14%
Cu 327.393	12282.3	78.46	ug/L	0.369	36.66	mg/kg	0.173	0.47%
Fe 273.955	569563.0	15230	ug/L	227.2	7118	mg/kg	106.2	1.49%
K 766.490	30450.3	5735	ug/L	99.9	2680	mg/kg	46.7	1.74%
Mg 285.213	281417.1	7075	ug/L	93.9	3306	mg/kg	43.9	1.33%
Mn 257.610	21997.1	242.6	ug/L	1.30	113.4	mg/kg	0.61	0.54%
Mo 202.031	-8.9	-4.805	ug/L	0.0312	-2.245	mg/kg	0.0146	0.65%
Na 589.592	4380.1	48.59	ug/L	12.884	22.71	mg/kg	6.021	26.51%
Ni 231.604	1366.1	10.14	ug/L	0.144	4.741	mg/kg	0.0674	1.42%
P 213.617	1397.0	159.9	ug/L	2.93	74.74	mg/kg	1.368	1.83%
Pb 220.353	164.1	7.808	ug/L	0.3573	3.649	mg/kg	0.1670	4.58%
Sb 206.836	-7.5	-1.003	ug/L	0.8770	-0.469	mg/kg	0.4098	87.41%
Se 196.026	-28.0	-5.254	ug/L	1.3727	-2.455	mg/kg	0.6415	26.13%
Sn 189.927	-52.9	-4.920	ug/L	0.1181	-2.299	mg/kg	0.0552	2.40%
Sr 421.552	255163.7	201.0	ug/L	2.69	93.92	mg/kg	1.258	1.34%
Ti 337.279	17263.2	186.4	ug/L	1.49	87.10	mg/kg	0.697	0.80%
Tl 190.801	-80.7	-3.252	ug/L	0.3464	-1.520	mg/kg	0.1619	10.65%
V 292.402	15421.4	39.72	ug/L	0.777	18.56	mg/kg	0.363	1.96%
Zn 206.200	9909.2	49.07	ug/L	0.925	22.93	mg/kg	0.432	1.89%

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Metals Standards Log Book # 34 Page # 085

NBS 03/20/12
6020/6020A
(A)

ICP-MS STANDARDS 6020/6020A/3015/3051A
Today's Date: 03/20/12
Expires: 03/27/12
Prep 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL DI Water
Lot # K23022
20mL HCL / 2000mL DI Water
Lot #K43032
Expires: 03/27/12

Internal Standard Mix: Prep 03/20/2012

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1038407-28139
50 uL	CCV-B	Env. Express	1038410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 03/20/12

Standard 3 03/27/12

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1038407-28139
25 uL	CCV-B	Env. Express	1038410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 03/20/12

Intermediate-Sb 03/27/12
100 uL of Sb STD (CPI 12A011-30296) in 10 mL of 1% HNO3/1.0% HCL
ICV-Sb 03/27/12
100 uL of Intermediate-Sb in 10 mL of 1% HNO3/1.0% HCL

NBS 03/20/12

Standard 2 03/27/12
Amount STD
500 uL Standard 4 03/20/12
Prepared in 50 mL of 1% HNO3/1.0% HCL 03/20/12

Standard 1 03/27/12
Amount STD
50 uL Standard 4 03/20/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/20/12

ICP-MS ICV 03/27/12

Amount	STD		
50 uL	QCS ICV A	CPI	11C174-28548
50 uL	QCS ICV B	CPI	11C174-28549

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/20/12

ICSA Prep: 03/27/12

1 mL	ICSA	CPI	11C066-28529

Prepared in 5 mL of 1% HNO3/1.0% HCL 03/20/12

ICSAB Prep: 03/27/12

1mL	ICSA	CPI	11C066-28529
0.025mL	INT	O2SI	1023805-28210

Prepared in 5 mL of 1% HNO3/1.0% HCL 03/20/12

ICP-LDR 03/27/12

Amount	STD		
50 uL	CCV-A	Env. Express	1038407-28139
50 uL	CCV-B	Env. Express	1038410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 10 mL of 1% HNO3/1.0% HCL 03/20/12

NBS 03/20/12

Internal Standard Concentration

Amt	STD	Element	Vendor	Lot#	Final Conc. In Std		Expires
500uL	1000 ug/mL	Li	CPI	10L079-27639	5000 ug/L		06/10/12
500uL	1000 ug/mL	In	CPI	10J155-28574	5000 ug/L		09/25/12
500uL	1000 ug/mL	Ho	CPI	10A107-28576	5000 ug/L		09/25/12
500uL	1000 ug/mL	Tb	CPI	11B054-28575	5000 ug/L		09/25/12
500uL	1000 ug/mL	Sc	o2si	1024073-28527	5000 ug/L		06/18/12
500uL	1000 ug/mL	Ge	Environmental Express	1116011-28351	5000 ug/L		02/08/13

Prep:	03/20/12	NBS	Prep in -	1%HNO3/1.0%HCL:	Lot #KK23022/43032	in 100mL
Expires:	04/19/12					

1%HNO3 / 5%HCl BLK

AMOUNT	REAGENT	MANUFACTURER	LOT	OPEN DATE
100 mL	HCL	BDH	431060	03/15/12
20 mL	HNO3	JT BAKER	K23022	03/15/12

Prepared in 2000 ml DI Water

STD 1 / LDL 6010B/6010C

AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
0.5 mL	6010 LDL	ABSOLUTE	091409-25206	09/14/12

Prepared in 50 ml 1%HNO3/5%HCl

STD 3 / HDL 6010B/6010C

1ML	CCV-A	ABSOLUTE	091409-25206	09/14/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12
1ML	CCV-C	ABSOLUTE	091009-25207	09/10/12

Prepared in 100 ml 1%HNO3 / 5%HCl

STD 2 / CCV1 6010B/6010C/6010C

AMOUNT	STD	PREP DATE	EXP DATE
25mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

CCV2 6010B/6010C

AMOUNT	STD	PREP DATE	EXP DATE
15mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

6010B/6010C ICSA

AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2786	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12

Prepared in 50 ml 1%HNO3/5%HCl

6010B/6010C ICSAB

1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2786	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
0.5mL	INT SPECIAL MIX	O2SI	1023270-30265	02/01/13

Prepared in 50 ml 1%HNO3/5%HCl

6010B/6010C ICV

0.5ML	QCS ICV A	CPI	11C174-28548	09/17/12
0.5ML	QCS ICV B	CPI	11C174-28549	09/17/12

Prepared in 50ml 1%HNO3/5%HCl

EL 3-20-12

Metals Digestion Worksheet

Method Name 3050B Digestion (GROSS UP) **Prep Method** M3050GROSSa **Set** 120314A **Units** mL

Spikes	
Spiked ID 1	LCSW LOT# #1032278-30260
Spiked ID 2	LCSW LOT# #1032271-30258
Spiked ID 3	
Spiked ID 4	
Spiked By	LO Date: 03/14/12 10:10:00 AM
Witnessed By	NM Date: 03/14/12 10:10:00 AM

Starting Temp:	95 C
Ending Temp:	95 C
Temperature Type:	Mod Block
Sufficient Vol for Matrix QC:	YES
End Date/Time	03/14/12 12:30

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	120314A Blk				1.00g	100mL	03/14/12 10:10	equip: Modblock1
2	120314A LCS		1mL	1+2	1.00g	100mL	03/14/12 10:10	equip: Modblock1
3	AY56792	AY56792S01			1.03g	100mL	03/14/12 10:10	equip: Modblock1
4	AY56793	AY56793S01			1.07g	100mL	03/14/12 10:10	equip: Modblock1
5	AY56794	AY56794S01			1.07g	100mL	03/14/12 10:10	equip: Modblock1
6	AY56794 MS	AY56794S01	2mL	1+2	1.07g	100mL	03/14/12 10:10	equip: Modblock1
7	AY56794 MSD	AY56794S01	2mL	1+2	1.07g	100mL	03/14/12 10:10	equip: Modblock1

Solvent and Lot#
1:1 HNO3 NA
HNO3 J.T.B K47023 0153
H2O2 EMD NA
HCL BDH 4111060 0155

Sample COC Transfer	
Sample prep employee Initials	LO
Analyst's initials	EA
Date	3-14-12
Time	12:30
Moved to	Metals

Technician's Initials	
Scanned By	NM
Sample Preparation	NM
Digestion	NM
Bring up to volume	LO
Modified	03/14/12 4:27:48 PM

Reviewed By: EA **Date:** ~~3-14-12~~ 2d 3-14-12 3-14-12

MERCURY

EPA Method 7471B

APPL, INC.

MERCURY

EPA Method 7471B

AFCEE Forms

APPL, INC.

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 7471B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120314A-164958
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-NT1-BOT04	AY56792
B4-NT1-BOT05	AY56793
B4-NT1-BOT06	AY56794

Comments: ARF: 67194

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

Signature: _____ Name: Diane Anderson

Date: 3-23-12 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120314A-164958
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT04 Lab Sample ID: AY56792 Matrix: Soil
% Solids: 97.2 Initial Calibration ID: 120316A
Date Received: 13-Mar-12 Date Prepared: 14-Mar-12 Date Analyzed: 16-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.02	1	F

Comments: ARF: 67194

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120314A-164958
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT05 Lab Sample ID: AY56793 Matrix: Soil
% Solids: 93.7 Initial Calibration ID: 120316A
Date Received: 13-Mar-12 Date Prepared: 14-Mar-12 Date Analyzed: 16-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.10	1	

Comments: ARF: 67194

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120314A-164958
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-NT1-BOT06 Lab Sample ID: AY56794 Matrix: Soil
% Solids: 93.2 Initial Calibration ID: 120316A
Date Received: 13-Mar-12 Date Prepared: 14-Mar-12 Date Analyzed: 16-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.13	1	

Comments: ARF: 67194

AFCEE
INORGANIC ANALYSES DATA SHEET 3
MERCURY INITIAL MULTIPOINT CALIBRATION

Analytical Method: 7471B
AAB #: 120314A-164958
Lab Name: APPL, Inc
Contract #: *0012
Instrument ID: PE300
Date of Initial Calibration: 16-Mar-12
Initial Calibration ID: 120316A
Concentration Units (mg/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	r	Q
Mercury	0.000208	0.004	0.000521	0.011	0.001042	0.021	0.002083	0.040	0.005208	0.100	0.99996	

r = correlation coefficient

Comments:

AFCEE FORM I-3A

AFCEE
INORGANIC ANALYSES DATA SHEET 3
MERCURY INITIAL MULTIPOINT CALIBRATION

Analytical Method: 7471B
AAB #: 120314A-164958
Lab Name: APPL, Inc
Contract #: *G012
Instrument ID: PE300
Date of Initial Calibration: 16-Mar-12
Initial Calibration ID: 120316A
Concentration Units (mg/L or mg/kg): mg/kg

Analyte	Std 6	RF 6									r	Q
Mercury	0.010420	0.203									0.99996	

r = correlation coefficient

Comments:

AFCEE FORM I-3A

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 7471B
AAB #: 120314A-164958
Lab Name: APPL, Inc.
Contract #: *G012
Instrument ID: PE300
Initial Calibration ID: 120316A
2nd Source ID: ICV 03/16/12 13:34
ICV ID: ICV 03/16/12 13:34
CCV #1 ID: CCV 03/16/12 13:37
CCV #2 ID: CCV 03/16/12 13:53
Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury (Hg)	0.00417	0.00411	1.5%	0.00417	0.00411	1.5%	0.005208	0.00520	0.2%	0.00533	2.4%	

Comments:

AFCEE FORM I-4 Page 1 of 1

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANK

Analytical Method: EPA 7471B
AAB #: 120314A-164958
Lab Name: APPL, Inc
Contract #: *G012
Concentration Units: mg/kg
Method Blank ID: 120314A-BLK
Initial Calibration ID: 120316A

Analyte	Method Blank	RL	Q
MERCURY (HG)	< RL	0.1	U

Comments: ARF: 67194, Sample: AY56794

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 7471B AAB #: 120314A-164958

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg): mg/kg

Initial Calibration Blank ID: ICB 03/16/12 13:36 Initial Calibration ID: 120316A

CCB #1 ID: CCB 03/16/12 13:39 CCB #2 ID: CCB 03/16/12 13:55 CCB #3 ID:

Method Blank ID: 120314A-BLK Initial Calibration ID: 120316A

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Mercury (Hg)	<RL	<RL	<RL		<RL	0.1	

Comments:

AFCEE FORM I-5 Page 1 of 1

AFCEE
INORGANIC ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 7471B
Lab Name: APPL, Inc
LCS ID: 120314A LCS
Concentration Units: mg/kg

AAB #: 120314A-164958
Contract #: *G012
Initial Calibration ID: 120316A

Analyte	Expected	Found	% R	Control Limits	Q
MERCURY (HG)	0.67	0.72	107	77-120	

Comments: ARF: 67194, Sample: AY56794

AFCEE
INORGANIC ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: EPA 7471B AAB#: 120314A-164958

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
B4-NT1-BOT04	12-Mar-12	13-Mar-12	16-Mar-12	28	4	
B4-NT1-BOT05	12-Mar-12	13-Mar-12	16-Mar-12	28	4	
B4-NT1-BOT06	12-Mar-12	13-Mar-12	16-Mar-12	28	4	

Comments: ARF: 67194

AFCEE
INORGANIC ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 7471B ICAL ID: 120316A

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: PE300

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
Calib Blank	16-Mar-12	13:20	16-Mar-12	13:20
0.2083	16-Mar-12	13:21	16-Mar-12	13:21
0.520833	16-Mar-12	13:22	16-Mar-12	13:22
1.041667	16-Mar-12	13:24	16-Mar-12	13:24
2.083333	16-Mar-12	13:26	16-Mar-12	13:26
5.208	16-Mar-12	13:28	16-Mar-12	13:28
10.417	16-Mar-12	13:30	16-Mar-12	13:30
ICV	16-Mar-12	13:34	16-Mar-12	13:34
ICB	16-Mar-12	13:36	16-Mar-12	13:36
CCV	16-Mar-12	13:37	16-Mar-12	13:37
CCB	16-Mar-12	13:39	16-Mar-12	13:39
120314A-BLK	16-Mar-12	13:40	16-Mar-12	13:40
120314A-LCS	16-Mar-12	13:41	16-Mar-12	13:41
AY56792S01	16-Mar-12	13:43	16-Mar-12	13:43
AY56793S01	16-Mar-12	13:45	16-Mar-12	13:45
AY56794S01	16-Mar-12	13:47	16-Mar-12	13:47
CCV	16-Mar-12	13:53	16-Mar-12	13:53
CCB	16-Mar-12	13:55	16-Mar-12	13:55

Sample_ID	EL	Date	Time	Mean_SA	Units	Batch_ID	Wt	Dilu
Calib Blank	Hg	03/16/12	13:20:11		µg/L			
0.2083 03-14-12 LO	Hg	03/16/12	13:21:24		µg/L			
0.520833	Hg	03/16/12	13:22:37		µg/L			
1.041667	Hg	03/16/12	13:24:39		µg/L			
2.083333	Hg	03/16/12	13:26:41		µg/L			
5.208	Hg	03/16/12	13:28:44		µg/L			
10.417	Hg	03/16/12	13:30:47		µg/L			
ICV 03-14-12 LO	Hg	03/16/12	13:34:06	4.10634	µg/L			
ICB 03-14-12 LO	Hg	03/16/12	13:36:07	0.064939	µg/L			
CCV 03-14-12 LO	Hg	03/16/12	13:37:22	5.197488	µg/L			
CCB 03-14-12 LO	Hg	03/16/12	13:39:24	0.051108	µg/L			
120314A BLK	Hg	03/16/12	13:40:37	0.012906	mg/kg	120314A-7471GROSS	0.6	
120314A LCS	Hg	03/16/12	13:41:51	0.718251	mg/kg	120314A-7471GROSS	0.6	
AY56792S01	Hg	03/16/12	13:43:52	0.017765	mg/kg	120314A-7471GROSS	0.62	
AY56793S01	Hg	03/16/12	13:45:05	0.090348	mg/kg	120314A-7471GROSS	0.64	
AY56794S01	Hg	03/16/12	13:47:06	0.121067	mg/kg	120314A-7471GROSS	0.64	
~~AY56794S01 MS~~	~~Hg~~	~~03/16/12~~	~~13:49:08~~	~~0.820203~~	~~mg/kg~~	~~120314A-7471GROSS~~	~~0.64~~	—
~~AY56794S01 MSD~~	~~Hg~~	~~03/16/12~~	~~13:51:13~~	~~0.842177~~	~~mg/kg~~	~~120314A-7471GROSS~~	~~0.64~~	—
CCV 03-14-12 LO	Hg	03/16/12	13:53:16	5.331783	µg/L			
CCB 03-14-12 LO	Hg	03/16/12	13:55:18	0.126933	µg/L			
~~120314A BLK~~	~~Hg~~	~~03/16/12~~	~~14:01:12~~	~~0.002771~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.5~~	—
~~120314A LCS~~	~~Hg~~	~~03/16/12~~	~~14:04:02~~	~~0.178399~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.5~~	—
~~AY55899S01~~	~~Hg~~	~~03/16/12~~	~~14:06:05~~	~~0.04807~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.44~~	—
~~AY55899S01 MS~~	~~Hg~~	~~03/16/12~~	~~14:08:08~~	~~0.221852~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.44~~	—
~~AY55899S01 MSD~~	~~Hg~~	~~03/16/12~~	~~14:10:11~~	~~0.225256~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.44~~	—
~~AY56127S01~~	~~Hg~~	~~03/16/12~~	~~14:12:15~~	~~0.042636~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.56~~	—
~~AY56128S01~~	~~Hg~~	~~03/16/12~~	~~14:14:20~~	~~0.058404~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.5~~	—
~~AY56129S01~~	~~Hg~~	~~03/16/12~~	~~14:16:25~~	~~0.004456~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.53~~	—
~~AY56130S01~~	~~Hg~~	~~03/16/12~~	~~14:17:41~~	~~0.004688~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.45~~	—
~~AY56131S01~~	~~Hg~~	~~03/16/12~~	~~14:18:54~~	~~0.044913~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.56~~	—
~~CCV 03-14-12 LO~~	~~Hg~~	~~03/16/12~~	~~14:20:57~~	~~5.41323~~	~~µg/L~~			—
~~CCB 03-14-12 LO~~	~~Hg~~	~~03/16/12~~	~~14:22:59~~	~~0.167798~~	~~µg/L~~			—
~~AY56132S01~~	~~Hg~~	~~03/16/12~~	~~14:25:55~~	~~0.068565~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.55~~	—
~~AY56133S01~~	~~Hg~~	~~03/16/12~~	~~14:27:57~~	~~0.00718~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.52~~	—
~~AY56134S01~~	~~Hg~~	~~03/16/12~~	~~14:29:10~~	~~0.007088~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.48~~	—
~~AY56135S01~~	~~Hg~~	~~03/16/12~~	~~14:30:24~~	~~0.042097~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.51~~	—
~~AY56136S01~~	~~Hg~~	~~03/16/12~~	~~14:32:25~~	~~0.043612~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.49~~	—
~~AY56137S01~~	~~Hg~~	~~03/16/12~~	~~14:34:28~~	~~0.006645~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.56~~	—
~~AY56138S01~~	~~Hg~~	~~03/16/12~~	~~14:35:41~~	~~0.00684~~	~~mg/kg~~	~~120314A-7471IS~~	~~2.48~~	—
~~CCV 03-14-12 LO~~	~~Hg~~	~~03/16/12~~	~~14:36:55~~	~~5.52096~~	~~µg/L~~			—
~~CCB 03-14-12 LO~~	~~Hg~~	~~03/16/12~~	~~14:38:57~~	~~0.218358~~	~~µg/L~~			—

R=0.99996

MERCURY

EPA Method 7471B

Calibration Data

APPL, INC.

Parsons

Hg BY METHOD 7471B ARF#67194
QCG 120314A-7471GROSS
ANALYSIS DATE: 03/16/12

R=0.99996

NAME	TRUE	RESULT	% RECOVERY
ICV	4.17ppb	4.106	98.5%
ICB	0ppb	0.065	
CCV-1	5.208ppb	5.197	99.8%
CCB-1	0ppb	0.051	
CCV-2	5.208ppb	5.332	102.4%
CCB-2	0ppb	0.127	

Method Name: Hg-7471 - RJS Element: Hg

Date: 03/16/2012
Results Data Set: 120314AA-7471GR

Element: Hg Seq. No.: 17 Date: 03/16/2012
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.001	13:20:01
2			0.000	13:20:06
3			0.001	13:20:11
Mean:			0.001	
SD :			0.000	
%RSD:			27.38	

Auto-zero performed.

Element: Hg Seq. No.: 18 Date: 03/16/2012
Sample ID: 0.2083 03-14-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.004	13:21:14
2			0.004	13:21:19
3			0.005	13:21:24
Mean:			0.004	
SD :			0.000	
%RSD:			5.48	

Standard number 1 applied. [0.208333]
Correlation Coefficient: 1.0000 Slope: 0.0215

Element: Hg Seq. No.: 19 Date: 03/16/2012
Sample ID: 0.520833

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.011	13:22:27
2			0.011	13:22:32
3			0.011	13:22:37
Mean:			0.011	
SD :			0.000	
%RSD:			1.02	

Standard number 2 applied. [0.520833]
Correlation Coefficient: 0.9996 Slope: 0.0210
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 20 Date: 03/16/2012
Sample ID: 1.041667

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.020	13:24:28
2			0.020	13:24:34
3			0.021	13:24:39
Mean:			0.021	
SD :			0.001	
%RSD:			3.78	

Standard number 3 applied. [1.041667]
Correlation Coefficient: 0.9985 Slope: 0.0200
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 21 Date: 03/16/2012
Sample ID: 2.083333

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.039	13:26:30
2			0.040	13:26:36
3			0.041	13:26:41
Mean:			0.040	
SD :			0.001	
%RSD:			2.88	

Standard number 4 applied. [2.083333]
Correlation Coefficient: 0.9993 Slope: 0.0194
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 22 Date: 03/16/2012
Sample ID: 5.208

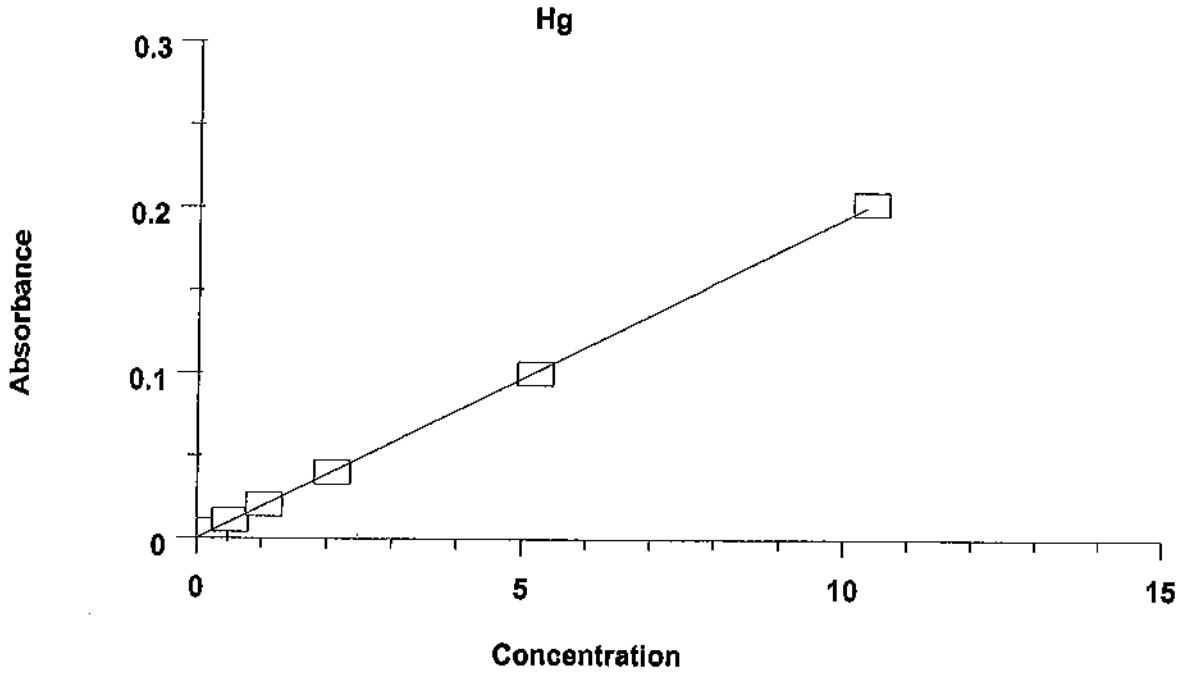
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.096	13:28:33
2			0.101	13:28:38
3			0.104	13:28:44
Mean:			0.100	
SD :			0.004	
%RSD:			3.81	

Standard number 5 applied. [5.208]
Correlation Coefficient: 0.9999 Slope: 0.0193
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 23 Date: 03/16/2012
Sample ID: 10.417

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.196	13:30:36
2			0.204	13:30:42
3			0.209	13:30:47
Mean:			0.203	
SD :			0.006	
%RSD:			3.15	

Standard number 6 applied. [10.417]
Correlation Coefficient: 1.0000 Slope: 0.0194



Calibration data for Hg

Standard ID	Mean Signal (Absorbance)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	----	0.000	0.000182	
0.2083 03-14-12 LO	0.004	0.208333	0.2307	0.000246	5.477201
0.520833	0.011	0.520833	0.5596	0.000111	1.024361
1.041667	0.021	1.041667	1.055	0.000775	3.777530
2.083333	0.040	2.083333	2.057	0.001153	2.881875
5.208	0.100	5.208	5.156	0.003824	3.813883
10.417	0.203	10.417	10.44	0.006388	3.145614

Correlation Coefficient: 0.99996 Slope: 0.01945

MERCURY

EPA Method 7471B

Raw Data

APPL, INC.

Element: Hg Seq. No.: 24 Date: 03/16/2012
Sample ID: ICV 03-14-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	3.949	3.949	0.077	13:33:55
2	4.122	4.122	0.080	13:34:00
3	4.247	4.247	0.083	13:34:06
Mean:	4.106	4.106	0.080	
SD :	0.1497	0.1497	0.003	
%RSD:	3.64	3.64	3.64	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 25 Date: 03/16/2012
Sample ID: ICB 03-14-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.07243	0.07243	0.001	13:35:56
2	0.05443	0.05443	0.001	13:36:02
3	0.06796	0.06796	0.001	13:36:07
Mean:	0.06494	0.06494	0.001	
SD :	0.009371	0.009371	0.000	
%RSD:	14.43	14.43	14.43	

QC value within specified limits.

Element: Hg Seq. No.: 26 Date: 03/16/2012
Sample ID: CCV 03-14-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.009	5.009	0.097	13:37:11
2	5.220	5.220	0.102	13:37:17
3	5.363	5.363	0.104	13:37:22
Mean:	5.197	5.197	0.101	
SD :	0.1783	0.1783	0.003	
%RSD:	3.43	3.43	3.43	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 27 Date: 03/16/2012
Sample ID: CCB 03-14-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.06975	0.06975	0.001	13:39:13
2	0.04550	0.04550	0.001	13:39:19
3	0.03808	0.03808	0.001	13:39:24
Mean:	0.05111	0.05111	0.001	
SD :	0.01656	0.01656	0.000	
%RSD:	32.41	32.41	32.41	

QC value within specified limits.

Element: Hg Seq. No.: 28 Date: 03/16/2012
Sample ID: 120314A BLK

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.01283	0.08018	0.002	13:40:27
2	0.01256	0.07849	0.002	13:40:32
3	0.01333	0.08333	0.002	13:40:37
Mean:	0.01291	0.08066	0.002	
SD :	0.000393	0.002456	0.000	
%RSD:	3.04	3.04	3.04	

Element: Hg Seq. No.: 29 Date: 03/16/2012
Sample ID: 120314A LCS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.6921	4.325	0.084	13:41:40
2	0.7215	4.510	0.088	13:41:45
3	0.7412	4.632	0.090	13:41:51
Mean:	0.7183	4.489	0.087	
SD :	0.02472	0.1545	0.003	
%RSD:	3.44	3.44	3.44	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 30 Date: 03/16/2012
Sample ID: AY56792S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.01792	0.1157	0.002	13:43:42
2	0.01620	0.1046	0.002	13:43:47
3	0.01918	0.1239	0.002	13:43:52
Mean:	0.01776	0.1147	0.002	
SD :	0.001497	0.009669	0.000	
%RSD:	8.43	8.43	8.43	

Element: Hg Seq. No.: 31 Date: 03/16/2012
Sample ID: AY56793S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.08766	0.5844	0.011	13:44:55
2	0.09057	0.6038	0.012	13:45:00
3	0.09281	0.6187	0.012	13:45:05
Mean:	0.09035	0.6023	0.012	
SD :	0.002580	0.01720	0.000	
%RSD:	2.86	2.86	2.86	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 32 Date: 03/16/2012
Sample ID: AY56794S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.1177	0.7848	0.015	13:46:56
2	0.1219	0.8125	0.016	13:47:01
3	0.1236	0.8241	0.016	13:47:06
Mean:	0.1211	0.8071	0.016	
SD :	0.003023	0.02016	0.000	
%RSD:	2.50	2.50	2.50	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 33 Date: 03/16/2012
Sample ID: AY56794S01 MS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.7910	5.273	0.103	13:48:57
2	0.8231	5.487	0.107	13:49:03
3	0.8466	5.644	0.110	13:49:08
Mean:	0.8202	5.468	0.106	
SD :	0.02792	0.1862	0.004	
%RSD:	3.40	3.40	3.40	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 34 Date: 03/16/2012
Sample ID: AY56794S01 MSD

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.8206	5.470	0.106	13:51:02
2	0.8448	5.632	0.110	13:51:08
3	0.8612	5.741	0.112	13:51:13
Mean:	0.8422	5.615	0.109	
SD :	0.02044	0.1363	0.003	
%RSD:	2.43	2.43	2.43	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 35 Date: 03/16/2012
Sample ID: CCV 03-14-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.136	5.136	0.100	13:53:05
2	5.360	5.360	0.104	13:53:10
3	5.500	5.500	0.107	13:53:16
Mean:	5.332	5.332	0.104	
SD :	0.1836	0.1836	0.004	
%RSD:	3.44	3.44	3.44	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 36 Date: 03/16/2012
Sample ID: CCB 03-14-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.1288	0.1288	0.003	13:55:07
2	0.1330	0.1330	0.003	13:55:13
3	0.1190	0.1190	0.002	13:55:18
Mean:	0.1269	0.1269	0.002	
SD :	0.007156	0.007156	0.000	
%RSD:	5.64	5.64	5.64	

QC value within specified limits.

Method Name: Hg-7471 - RJS Element: Hg

Date: 03/16/2012
Results Data Set: 120314AA-7471GR

Element: Hg Seq. No.: 37 Date: 03/16/2012
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.04221	0.04221	0.001	13:59:53

Auto-zero performed.

Element: Hg Seq. No.: 38 Date: 03/16/2012
Sample ID: 120314A BLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.02898	0.07246	0.001	14:01:02
2	0.02599	0.06499	0.001	14:01:07
3	0.03161	0.07904	0.002	14:01:12
Mean:	0.02886	0.07216	0.001	
SD :	0.002812	0.007030	0.000	
%RSD:	9.74	9.74	9.74	

incorrect units entered.
correct units = mg/kg.

$$\frac{(0.07216\ \mu g/L)(0.096\ L)}{2.50\ g}$$

$= 0.00277\ \mu g/g$

$= 0.00277\ mg/kg$

RJS 3/16/12

Element: Hg Seq. No.: 39 Date: 03/16/2012
Sample ID: 120314A LCS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.1717	4.470	0.087	14:03:51
2	0.1800	4.688	0.091	14:03:56
3	0.1835	4.780	0.093	14:04:02
Mean:	0.1784	4.646	0.090	
SD :	0.006106	0.1590	0.003	
%RSD:	3.42	3.42	3.42	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 40 Date: 03/16/2012
Sample ID: AY55899S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.04627	1.176	0.023	14:05:54
2	0.04891	1.243	0.024	14:05:59
3	0.04903	1.246	0.024	14:06:05
Mean:	0.04807	1.222	0.024	
SD :	0.001561	0.03968	0.001	
%RSD:	3.25	3.25	3.25	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 41 Date: 03/16/2012
Sample ID: AY55899S01 MS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.2139	5.437	0.106	14:07:57
2	0.2232	5.673	0.110	14:08:02
3	0.2285	5.807	0.113	14:08:08
Mean:	0.2219	5.639	0.110	
SD :	0.007373	0.1874	0.004	
%RSD:	3.32	3.32	3.32	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 42 Date: 03/16/2012
Sample ID: AY55899S01 MSD

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.2172	5.520	0.107	14:10:01
2	0.2263	5.751	0.112	14:10:06
3	0.2323	5.904	0.115	14:10:11
Mean:	0.2253	5.725	0.111	
SD :	0.007613	0.1935	0.004	
%RSD:	3.38	3.38	3.38	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 43 Date: 03/16/2012
Sample ID: AY56127S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.04139	1.104	0.021	14:12:05
2	0.04272	1.139	0.022	14:12:10
3	0.04379	1.168	0.023	14:12:15
Mean:	0.04264	1.137	0.022	
SD :	0.001201	0.03204	0.001	
%RSD:	2.82	2.82	2.82	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 44 Date: 03/16/2012
Sample ID: AY56128S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.05672	1.477	0.029	14:14:09
2	0.05871	1.529	0.030	14:14:14
3	0.05978	1.557	0.030	14:14:20
Mean:	0.05840	1.521	0.030	
SD :	0.001549	0.04035	0.001	
%RSD:	2.65	2.65	2.65	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 45 Date: 03/16/2012
Sample ID: AY56129S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.004513	0.1189	0.002	14:16:14
2	0.004580	0.1207	0.002	14:16:19
3	0.004274	0.1126	0.002	14:16:25
Mean:	0.004456	0.1174	0.002	
SD :	0.000161	0.004246	0.000	
%RSD:	3.62	3.62	3.62	

Element: Hg Seq. No.: 46 Date: 03/16/2012
Sample ID: AY56130S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.005137	0.1311	0.003	14:17:31
2	0.004327	0.1104	0.002	14:17:36
3	0.004599	0.1174	0.002	14:17:41
Mean:	0.004688	0.1196	0.002	
SD :	0.000412	0.01052	0.000	
%RSD:	8.79	8.79	8.79	

Element: Hg Seq. No.: 47 Date: 03/16/2012
Sample ID: AY56131S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.04377	1.167	0.023	14:18:44
2	0.04508	1.202	0.023	14:18:49
3	0.04589	1.224	0.024	14:18:54
Mean:	0.04491	1.198	0.023	
SD :	0.001067	0.02844	0.001	
%RSD:	2.37	2.37	2.37	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 48 Date: 03/16/2012
Sample ID: CCV 03-14-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.224	5.224	0.102	14:20:46
2	5.445	5.445	0.106	14:20:51
3	5.571	5.571	0.108	14:20:57
Mean:	5.413	5.413	0.105	
SD :	0.1754	0.1754	0.003	
%RSD:	3.24	3.24	3.24	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 49 Date: 03/16/2012
Sample ID: CCB 03-14-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.1679	0.1679	0.003	14:22:48
2	0.1802	0.1802	0.004	14:22:54
3	0.1553	0.1553	0.003	14:22:59
Mean:	0.1678	0.1678	0.003	
SD :	0.01250	0.01250	0.000	
%RSD:	7.45	7.45	7.45	

QC value within specified limits.

Element: Hg Seq. No.: 50 Date: 03/16/2012
Sample ID: AY56132S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.06621	1.759	0.034	14:25:44
2	0.06880	1.828	0.036	14:25:50
3	0.07068	1.877	0.037	14:25:55
Mean:	0.06857	1.821	0.035	
SD :	0.002244	0.05960	0.001	
%RSD:	3.27	3.27	3.27	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 51 Date: 03/16/2012
Sample ID: AY56133S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.007320	0.1921	0.004	14:27:47
2	0.007064	0.1854	0.004	14:27:52
3	0.007157	0.1879	0.004	14:27:57
Mean:	0.007180	0.1885	0.004	
SD :	0.000130	0.003401	0.000	
%RSD:	1.80	1.80	1.80	

Element: Hg Seq. No.: 52 Date: 03/16/2012
Sample ID: AY56134S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.007147	0.1846	0.004	14:29:00
2	0.007318	0.1890	0.004	14:29:05
3	0.006801	0.1757	0.003	14:29:10
Mean:	0.007088	0.1831	0.004	
SD :	0.000263	0.006798	0.000	
%RSD:	3.71	3.71	3.71	

Element: Hg Seq. No.: 53 Date: 03/16/2012
Sample ID: AY56135S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.04075	1.066	0.021	14:30:13
2	0.04235	1.107	0.022	14:30:18
3	0.04319	1.129	0.022	14:30:24
Mean:	0.04210	1.101	0.021	
SD :	0.001236	0.03231	0.001	
%RSD:	2.94	2.94	2.94	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 54 Date: 03/16/2012
Sample ID: AY56136S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.04223	1.095	0.021	14:32:15
2	0.04371	1.134	0.022	14:32:20
3	0.04490	1.165	0.023	14:32:25
Mean:	0.04361	1.131	0.022	
SD :	0.001339	0.03472	0.001	
%RSD:	3.07	3.07	3.07	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 55 Date: 03/16/2012
Sample ID: AY56137S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.006920	0.1845	0.004	14:34:17
2	0.006909	0.1842	0.004	14:34:22
3	0.006106	0.1628	0.003	14:34:28
Mean:	0.006645	0.1772	0.003	
SD :	0.000467	0.01245	0.000	
%RSD:	7.03	7.03	7.03	

Element: Hg Seq. No.: 56 Date: 03/16/2012
Sample ID: AY56138S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.006885	0.1779	0.003	14:35:30
2	0.006654	0.1719	0.003	14:35:36
3	0.006983	0.1804	0.004	14:35:41
Mean:	0.006840	0.1767	0.003	
SD :	0.000169	0.004366	0.000	
%RSD:	2.47	2.47	2.47	

Element: Hg Seq. No.: 57 Date: 03/16/2012
Sample ID: CCV 03-14-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.333	5.333	0.104	14:36:44
2	5.561	5.561	0.108	14:36:49
3	5.670	5.670	0.110	14:36:55
Mean:	5.521	5.521	0.107	
SD :	0.1720	0.1720	0.003	
%RSD:	3.12	3.12	3.12	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 58 Date: 03/16/2012
Sample ID: CCB 03-14-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.2408	0.2408	0.005	14:38:46
2	0.2035	0.2035	0.004	14:38:52
3	0.2108	0.2108	0.004	14:38:57
Mean:	0.2184	0.2184	0.004	
SD :	0.01975	0.01975	0.000	
%RSD:	9.04	9.04	9.04	

QC out of limits. An alarm was sounded and the system waits for operator action.

Metals Standards Log Book # 34 Page # 082

RDS 3/15/12

Hg WORKING STANDARD

RDS 3/15/12

1ml X 10ug/ml Hg STOCK STD. (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
1ml X 10ug/ml Hg STOCK ICV (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
Final concentration is 50 ug/L. Expires.....3/15/12.....

SI 3-15-12
6010B-C
(A)

1%HNO3 / 5%HCl BLK

AMT.	REAGENT	MANUFACTURER	LOT	OPEN DATE
100 mL	HCL	BDH	4f1060	03/15/12
20 mL	HNO3	JT BAKER	K23022	03/15/12

Prepared in 2000 ml DI Water

STD 1 / LDL 6010B/6010C

AMT.	STD	MANUFACTURER	LOT	EXP DATE
0.5 mL	6010 LDL	ABSOLUTE	091409-25205	09/14/12

Prepared in 50 ml 1%HNO3/5%HCl

STD 3 / HDL 6010B/6010C

1ML	CCV-A	ABSOLUTE	091409-25206	09/14/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12
1ML	CCV-C	ABSOLUTE	091009-25207	09/10/12

Prepared in 100 ml 1%HNO3 / 5%HCl

STD 2 / CCV1 6010B/6010C/6010C

AMT.	STD	PREP DATE	EXP DATE
25mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

CCV2 6010B/6010C

AMT.	STD	PREP DATE	EXP DATE
15mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

6010B/6010C ICSA

AMT.	STD	MANUFACTURER	LOT	EXP DATE
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2786	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12

Prepared in 50 ml 1%HNO3/5%HCl

6010B/6010C ICSAB

1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2786	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
0.5mL	INT SPECIAL MIX	O2SI	1032370-30265	02/01/13

Prepared in 50 ml 1%HNO3/5%HCl

6010B/6010C ICV

0.5ML	QCS ICV A	CPI	11C174-28548 09/17/12
0.5ML	QCS ICV B	CPI	11C174-28549 09/17/12

Prepared in 50ml 1%HNO3/5%HCl

YITTRIUM INTERNAL STANDARD

2.0 mL	Yittrium	O2SI	1024334	09/04/12

Prepared in 2000 ml 1%HNO3/5%HCl

SI 3/15/12

NBS 03/16/12

NBS 03/16/12
6020/6020A
(A)

ICP-MS STANDARDS 6020/6020A/3015/3051A

Today's Date: 03/16/12
Expires: 03/23/12
Prep 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL DI Water
Lot # K23022
20mL HCL / 2000mL DI Water
Lot #K43032
Expires: 03/23/12

Internal Standard Mix: Prep 03/15/2012

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 03/16/12

Standard 3 03/23/12

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1036407-28139
25 uL	CCV-B	Env. Express	1036410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 03/16/12

Intermediate-Sb 03/23/12
100 uL of Sb STD (CPI 12A011-30288) in 10 mL of 1% HNO3/1.0% HCL
ICV-Sb 03/23/12
100 uL of Intermediate-Sb in 10 mL of 1% HNO3/1.0% HCL

NBS 03/16/12

Standard 2 03/23/12

Amount	STD	
500 uL	Standard 4	03/16/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/16/12

Standard 1 03/23/12

Amount	STD	
50 uL	Standard 4	03/16/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/16/12

ICP-MS ICV 03/23/12

Amount	STD		
50 uL	QCS ICV A	CPI	11C174-28548
50 uL	QCS ICV B	CPI	11C174-28549

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/16/12

ICSA Prep: 03/23/12

1 mL	ICSA	CPI	11C066-28529

Prepared in 5 mL of 1% HNO3/1.0% HCL 03/16/12

ICSAB Prep: 03/23/12

1mL	ICSA	CPI	11C066-28529
0.025mL	INT	O2SI	1023805-28210

Prepared in 5 mL of 1% HNO3/1.0% HCL 03/16/12

ICP-LDR 03/23/12

Amount	STD		
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 10 mL of 1% HNO3/1.0% HCL 03/16/12

RDS 3/16/12

Hg WORKING STANDARD

1ml X 10ug/ml Hg STOCK STD. (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
1ml X 10ug/ml Hg STOCK ICV (02/17/12KWS)/200ml 1% HNO3 Lot#K47023
Final concentration is 50 ug/L. Expires.....3/16/12.....

RDS 3/16/12

062

Metals Standards Log Book # 34 Page # 063

RBS 2/17/12

Hg STANDARD

CPI Lot # 11D140-28885
10ug/ml in 1% HNO3 LOT#K47023
Prep.-Date 02/17/12
Exp. Date 03/16/12
By KWS

Manufacturer: J.T. Baker

Hg STOCK ICV

Ultra Scientific Lot #
K00200-26307
10ug/ml in 1% HNO3 LOT#K47023
Prep.Date 02/17/12
Exp. Date 03/16/12
By KWS
Manufacturer: J.T. Baker

STANNOUS CHLORIDE

125g SnCl2 MACRON Lot #K12620
100 mL HCl J.T. BAKER Lot #K29026
Brought to 500 mL with DI Water
Prep. Date 02/17/12
Exp. Date 02/16/13
By KWS

RBS 2/17/12

NBS 02/17/12

6020/6020 A

(A)

ICP-MS STANDARDS 6020/6020A/3015/3051A

Today's Date: 02/17/12
Expires: 02/24/12
Prep 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL DI Water
Lot # K23022
20mL HCL / 2000mL DI Water
Lot #K43032
Expires: 02/24/12

Internal Standard Mix: Prep 02/16/2012

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 02/17/12

Standard 3 02/24/12

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1036407-28139
25 uL	CCV-B	Env. Express	1036410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 02/17/12

NBS 02/17/12

Standard 2 02/24/12
Amount STD
500 uL Standard 4
Prepared in 50 mL of 1% HNO3/1.0% HCL 02/17/12 02/17/12

Standard 1 02/24/12
Amount STD
50 uL Standard 4 02/17/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 02/17/12

ICP-MS ICV 02/24/12
Amount STD

50 uL	QCS ICV A	CPI	11C174-28548
50 uL	QCS ICV B	CPI	11C174-28549

Prepared in 50 mL of 1% HNO3/1.0% HCL 02/17/12

ICSA Prep: 02/24/12

1 mL	ICSA	CPI	11C066-28529

Prepared in 5 mL of 1% HNO3/1.0% HCL 02/17/12

ICSAB Prep: 02/24/12

1mL	ICSA	CPI	11C066-28529
0.025mL	INT	O2Si	1023805-28210

Prepared in 5 mL of 1% HNO3/1.0% HCL 02/17/12

ICP-LDR 02/24/12
Amount STD

50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 10 mL of 1% HNO3/1.0% HCL 02/17/12

NBS 02/20/12

NBS 02/20/12

Internal Standard Concentration

Amt	STD	Element	Vendor	Lot#	Final Conc. In Std	Expires
500uL	1000 ug/mL	Li	CPI	10L079-27839	5000 ug/L	06/10/12
500uL	1000 ug/mL	In	CPI	10J155-28574	5000 ug/L	09/25/12
500uL	1000 ug/mL	Ho	CPI	10A107-28576	5000 ug/L	09/25/12
500uL	1000 ug/mL	Tb	CPI	11B054-28575	5000 ug/L	09/25/12
500uL	1000 ug/mL	Sc	o2si	1024073-28527	5000 ug/L	08/18/12
500uL	1000 ug/mL	Ge	Environmental Express	1116011-29381	5000 ug/L	02/08/13

Prep:	02/20/12	NBS	Prep In -	1%HNO3/1.0%HCL:	Lot #KK23022/43032	In 100mL
Expires:	03/21/12					

_M7471GRO

Mercury Digestion Worksheet

Method Name 7471A Mercury Digestion (GROSS UP **Prep Method** M7471GRO **Set** 120314A **Units** mL

Spikes	
Spiked ID 1	Hg WORKING STANDARD prep 03-14-12
Spiked ID 2	Hg WORKING ICV prep 03-14-12
Spiked ID 3	
Spiked ID 4	
Spiked By	LO Date: 03/14/12 10:10:00 AM
Witnessed By	NM Date: 03/14/12 10:10:00 AM

Starting Temp:	96 C
Ending Temp:	96 C
Temp Type:	Modblock3
End Date/Time	03/14/12 10:45:00 AM

Mercury Calibration

Sample	Spike Amount	Spike ID	Final Volume
0 ppb		1	96 ml
0.2 ppb	0.4 ml	1	96 ml
0.5 ppb	1 ml	1	96 ml
1 ppb	2 ml	1	96 ml
2 ppb	4 ml	1	96 ml
5 ppb	10 ml	1	96 ml
5 ppb	10 ml	1	96 ml
10 ppb	20 ml	1	96 ml
ICV	8 ml	2	96 ml

Start Date/Time of Calibration 03/14/12 10:10

Sufficient Vol for Matrix QC:	YES

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	120314A Blk				0.60g	96mL	03/14/12 10:10	equip: Modblock3
2	120314A LCS		8mL	1	0.60g	96mL	03/14/12 10:10	equip: Modblock3
3	AY56792	AY56792S01			0.62g	96mL	03/14/12 10:10	equip: Modblock3
4	AY56793	AY56793S01			0.64g	96mL	03/14/12 10:10	equip: Modblock3
5	AY56794	AY56794S01			0.64g	96mL	03/14/12 10:10	equip: Modblock3
6	AY56794 MS	AY56794S01	8mL	1	0.64g	96mL	03/14/12 10:10	equip: Modblock3
7	AY56794 MSD	AY56794S01	8mL	1	0.64g	96mL	03/14/12 10:10	equip: Modblock3

Solvent and Lot#
AQUAREGIA 2-16-12
KMnO4 12-15-11
DECOLORIZER 12-14-11

Sample COC Transfer	
Sample prep employee Initials	LO
Analyst's initials	EA
Date	3-14-12
Time	10:45
Moved to	Metals

Technician's Initials	
Scanned By	NM
Sample Preparation	NM
Digestion	NM
Bring up to volume	LO
Modified	03/14/12 4:41:23 PM

Reviewed By: EA **Date:** 3-14-12

Wetlab Results

ARF: 67194

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Parsons
8000 Centre Park Drive Ste 200
Austin, TX 78754

Attn: Tammy Chang

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
APPL ID: AY56792 -Client Sample ID: B4-NT1-BOT04			-Sample Collection Date: 03/12/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	2.8	2.0	%	03/13/12	03/14/12
APPL ID: AY56793 -Client Sample ID: B4-NT1-BOT05			-Sample Collection Date: 03/12/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	6.3	2.0	%	03/13/12	03/14/12
APPL ID: AY56794 -Client Sample ID: B4-NT1-BOT06			-Sample Collection Date: 03/12/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	6.8	2.0	%	03/13/12	03/14/12

Printed: 03/20/12 12:03:45 PM

WETLAB

Sample/Sample Duplicate Results

Parsons
8000 Centre Park Drive Ste 200
Austin, TX 78754

Attn: Tammy Chang

Project: 748372.06000 CSSA

Sample ID: AY56792
Client ID: B4-NT1-BOT04

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

ARF: 67194

Method	Analyte	Sample ID	Sample Result	Sample Dup Result	RPD	RPD Max	PQL	Units	Sample Extract Date	Sample Analysis Date	Sample Dup Extract Date	Sample Dup Analysis Date
CLP MOIS	MOISTURE	AY56792	2.8	2.8	NA	20	2.0	%	03/13/12	03/14/12	03/13/12	03/14/12

Printed: 03/20/12 12:03:37 PM

% Moisture

Batch: QCG 120313-M003984

Method: CLP 4.0

Date: 03/13/12 13:36

Sample	Container	Pan (g)	Pan+Wet (g)	Pan+Dry 1 (g)	Pan+Dry 2 (g)	Moisture (%)	Comments
AY56794	s01	0.8288 03/13/12 13:36	6.5602 03/13/12 13:37	6.1699 03/14/12 08:45	6.1700 03/14/12 08:45	6.808	AY56794S01
AY56793	s01	0.8399 03/13/12 13:36	7.3003 03/13/12 13:36	6.8929 03/14/12 08:45	6.8931 03/14/12 08:45	6.303	AY56793S01
AY56792D	s01	0.8554 03/13/12 13:34	7.1845 03/13/12 13:35	7.0042 03/14/12 08:44	7.0043 03/14/12 08:44	2.847	AY56792S01
AY56792	s01	0.8417 03/13/12 13:32	6.5324 03/13/12 13:34	6.3714 03/14/12 08:43	6.3719 03/14/12 08:43	2.820	AY56792S01

Date/Time InOven@104°C	Date/Time OutOven@104°C	Date/Time InOven@104°C	Date/Time OutOven@104°C
03/13/12 1:36:00 PM			03/14/12 8:43:00 AM

Date	Initials	Balance	Weight	Reading	Lower Limit	Upper Limit	Comments / Is the Bubble Centered?
3/13/12	BB	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0006 g	19.9800	20.0200	
		Mettler AT200	50g	50.0013 g	49.9500	50.0500	
		Mettler AT200	100g	100.0025 g	99.9000	100.1000	
		Mettler AT200	150g	150.0038 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	999.99 g	980.00	1020.00	
		OHAUS ARC120	2kg	2000.02 g	1960.00	2040.00	
3-14-12	CK	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0004 g	19.9800	20.0200	
		Mettler AT200	50g	50.0011 g	49.9500	50.0500	
		Mettler AT200	100g	100.0024 g	99.9000	100.1000	
		Mettler AT200	150g	150.0035 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	999.96 g	980.00	1020.00	
		OHAUS ARC120	2kg	1999.95 g	1960.00	2040.00	
3/15/12	BB	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0001 g	0.9990	1.0010	
		Mettler AT200	20g	20.0005 g	19.9800	20.0200	
		Mettler AT200	50g	50.0011 g	49.9500	50.0500	
		Mettler AT200	100g	100.0023 g	99.9000	100.1000	
		Mettler AT200	150g	150.0034 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	999.99 g	980.00	1020.00	
		OHAUS ARC120	2kg	2000.00 g	1960.00	2040.00	
3-16-12	CK	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0003 g	19.9800	20.0200	
		Mettler AT200	50g	50.0014 g	49.9500	50.0500	
		Mettler AT200	100g	100.0022 g	99.9000	100.1000	
		Mettler AT200	150g	150.0036 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	999.99 g	980.00	1020.00	
		OHAUS ARC120	2kg	1999.98 g	1960.00	2040.00	

DATA VERIFICATION SUMMARY REPORT

for B4 samples collected from

CAMP STANLEY STORAGE ACTIVITY

BOERNE, TEXAS

Data Verification by: Tammy Chang
Parsons - Austin

INTRODUCTION

The following data verification summary report covers one soil sample and associated field quality control (QC) samples collected from B4 at Camp Stanley Storage Activity (CSSA) on March 19, 2012. The samples were assigned to the following Sample Delivery Group (SDG):

67264

Field QC sample included one field duplicate (FD) and one pair of matrix spike and matrix spike duplicate (MS/MSD). The samples in this SDG were analyzed for mercury.

All samples were collected by Parsons and analyzed by APPL, Inc. following the procedures outlined in the Statement of Work and CSSA QAPP, Version 1.0. The samples in this SDG were shipped to the laboratory in one cooler. The cooler was received by the laboratory at a temperature of 2.0ºC, which was within the 2-6ºC range recommended by the CSSA QAPP.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, Version 1.0. Information reviewed in the data package included sample results; field and laboratory quality control samples; calibrations; case narratives; raw data; chain-of-custody (COC) forms and the sample receipt checklist. The findings presented in this report are based on the reviewed information, and whether the guidelines in the CSSA QAPP, Version 1.0, were met.

MERURY

General

The mercury portion of this SDG consisted of four (4) soil samples including field QC samples. These samples were collected on March 19, 2012 and were prepared and analyzed for total mercury using USEPA Method SW7471B.

These samples were analyzed following the procedures outlined in the CSSA QAPP, prepared and analyzed within the holding time required by the method.

These samples were digested in batch #165061 and analyzed undiluted.

Accuracy

Accuracy was evaluated using the percent recovery obtain from the laboratory control sample (LCS) and MS/MSD.

The LCS, MS, and MSD recoveries were within acceptance criteria.

Precision

Precision was evaluated based on the relative percent difference (%RPD) of the MS/MSD and parent/FD results.

The %RPD of the MS/MSD was compliant.

Neither parent or FD had mercury detected at or above the reporting limit, therefore, the %RPD calculation was not applicable.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during sample analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All second source verification criteria were met. The ICV was prepared using a secondary source.
- All calibration verification criteria were met.
- DT and PDS were not applicable.

There were one method blank and several calibration blanks associated with the mercury analyses in this SDG. All blanks were free of mercury at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

The mercury results for the samples in this SDG were considered usable. The completeness for the mercury portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

Laboratory Report

Parsons

CSSA

Project #: 748372.06000 CSSA

ARF: 67264

Samples collected: March 19, 2012

APPL, Inc.

Data Validatable Package

for

Project #: 748372.06000 CSSA

ARF 67264

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CASE NARRATIVE

908 North Temperance Ave. ∇ Clovis, CA 93611 ∇ Phone 559-275-2175 ∇ Fax 559-275-4422

Case Narrative

ARF: 67264

Project: 748372.06000 CSSA

California State Certification Number: CA1312 (DW & WW)

NELAP Certification number: 05233CA (HW)

Texas Certificate Number: T104704242-10-3

Results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sample Receipt Information:

The soil samples were received March 20, 2012, at 2.0°C. The samples were assigned Analytical Request Form (ARF) number 67264. The sample numbers and requested analyses were compared to the chain of custody. No exception was noted.

Sample Table

CLIENT ID	APPL ID	Matrix	Date Sampled	Date Received
B4-US10	AY57291	SOIL	03/19/12	03/20/12
B4-US10 FD	AY57292	SOIL	03/19/12	03/20/12

Percent moisture was determined using CLP 4.0.

EPA Method 7471B
Mercury

Digestion Information:

The soil samples were digested according to EPA method 7471B. No exceptions were encountered. All holding times were met.

Analysis Information:

Samples:

The soil samples were analyzed for mercury by EPA method 7471B using a Perkin Elmer AAnalyst 300.

Calibrations:

Calibrations were performed according to the method for the initial calibration and the initial calibration verification. The initial calibration verification is prepared from a second source standard. All calibration acceptance criteria were met.

Blanks:

Mercury was detected above the reporting limit (RL) in the method blank.

Spikes:

A Laboratory Control Spike (LCS) and matrix spikes (MS/MSD) were used for quality assurance. All LCS acceptance criteria were met.

Sample B4-US10 was designated by the client for MS/MSD analysis. All acceptance criteria were met in the MS/MSD.

Summary:

No analytical exception is noted.

CERTIFICATION

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC. Release of the hard copy has been authorized by the Laboratory Manager or her designee, as verified by the following signature.

3-29-12

Sharon Dehmlow, Laboratory Director / Date

CHAIN OF CUSTODY

AND ARF

APPL - Analysis Request Form 67264

Client: **Parsons**
Address: **8000 Centre Park Drive Ste 200**
Austin, TX 78754
Attn: **Tammy Chang**
Phone: **512-719-6092** Fax: **512-719-6099**
Job: **748372.06000 CSSA**
PO #: **748336.30000-00 (prime *G012)**
Chain of Custody (Y/N): **Y** # **031912APPFA**
RAD Screen (Y/N): **Y** pH (Y/N): **N**
Turn Around Type: **3 DAYS**

Received by: **TBV**
Date Received: **03/20/12** Time: **10:40**
Delivered by: **FED EX**
Shuttle Custody Seals (Y/N): **Y** Time Zone: **-5**
Chest Temp(s): **2.0°C**
Color: **H-PUGRN**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Diane Anderson** DA
QC Report Type: **DVP4/AFCEE/ERPIMS/TX**
Due Date: **03/23/12**

Comments:
3-day TAT for prelims (due 03-23-12); final report due 03-30-12
pdf ARF to Tammy & Pam; send HC: 2 DVP3 with colored dividers & send DVP4 on CD to Tammy.

Definitive data needs DVP 4; needs AFCEE forms and package, internal COC
Case Narrative. CSSA + AFCEE 3.1 QAPP. Only report MS/MSD when requested.
EDD: ERPIMS 4 Lab PC4 checked TXF to Pam.Ford@parsons.com

3-21 Sent ARF

Sample Distribution:
Metals: 2-$HGAFBS 3.28
Wetlab: 2-MOIST
Other: 2- M7471GROSS

Charges:

Invoice To:
BOA 748336.30000 TO# 2
8000 Centre Park Drive Ste 200
Austin, TX 78754-5140
Attn: Ellen Felfe

	Client ID		APPL ID	Sampled	Analyses Requested
1.	B4-US10	MS/MSD	AY57291S	03/19/12 09:35	$HGAFBS, MOIST
2.	B4-US10 FD		AY57292S	03/19/12 09:35	$HGAFBS, MOIST

Note: All times, excluding sample collection times, are Pacific Time Zone unless noted otherwise. Collection times are in: -5

APPL Sample Receipt Form

ARF# **67264**

Sample	Container Type	Count	pH
AY57291	20 4oz Jar	2	na
AY57292	20 4oz Jar	1	na

Sample	Container Type	Count	pH

Camp Stanley Storage Activity Chain Of Custody

67264

COC ID:	031912APPFA	Relinquish_Date:	3/19/2012	Cooler ID:	A
Project Location:	CSSA	Relinquished_By:	JDB	LabCode:	APPF
Job Number:	748372.06000	Relinquish_Time:	5:00 PM	Carrier:	FedEx
Creation Date:	3/19/2012	Collection Team:	KC	Airbill Carrier:	876436443322
Task Manager	Laura Marbury	Sample Data Type	Definitive	TAT:	3 Day TAT

Sampler(s): Kyle Caskey Kyle Caskey

2 ice chest

LOCID: **B4-US10** LOGDATE: **3/19/2012** MATRIX: **SO** TBLOT:
SBD: **3** LOGTIME: **9:35** SACODE: **SD** SMCODE: **G** ABLOT:
SED: **3.5** FLDSAMPID **B4-US10_031912_SD0935** EBLOT: Containers: **0**
Remarks:
Analysis Required: SW7471 MERCURY

LOCID: **B4-US10** LOGDATE: **3/19/2012** MATRIX: **SO** TBLOT:
SBD: **3** LOGTIME: **9:35** SACODE: **N** SMCODE: **G** ABLOT:
SED: **3.5** FLDSAMPID **B4-US10_031912_N0935** EBLOT: Containers: **1**
Remarks:
Analysis Required: SW7471 MERCURY

LOCID: **B4-US10** LOGDATE: **3/19/2012** MATRIX: **SO** TBLOT:
SBD: **3** LOGTIME: **9:35** SACODE: **MS** SMCODE: **G** ABLOT:
SED: **3.5** FLDSAMPID **B4-US10_031912_MS0935** EBLOT: Containers: **1**
Remarks:
Analysis Required: SW7471 MERCURY

LOCID: **B4-US10** LOGDATE: **3/19/2012** MATRIX: **SO** TBLOT:
SBD: **3** LOGTIME: **9:35** SACODE: **FD** SMCODE: **G** ABLOT:
SED: **3.5** FLDSAMPID **B4-US10_031912_FD0935** EBLOT: Containers: **1**
Remarks:
Analysis Required: SW7471 MERCURY

10

Relinquished by: K Caskey Date 3-19-12 Time 1700
Recieved by: Hanger 2 Date 3/20/12 Time 10:40

Relinquished by:_____ Date_____ Time____
Recieved by:_____ Date_____ Time____

Relinquished by:_____ Date_____ Time____
Recieved by:_____ Date_____ Time____

COOLER RECEIPT FORM

1) Project: 749372.0600 CSSA Date Received: 3/20/12

2) Coolers: Number of Coolers: 1

3) YES NO Were coolers and samples screened for radioactivity?

4) YES NO Were custody seals on outside of cooler? How many?_____ Date on seal? _____

5) Name on seal? See ARF 67263 CRF

6) YES NO NA Were custody seals unbroken and intact at the time of arrival?

7) YES NO Did the cooler come with a shipping slip (air bill, etc.)? Carrier name: Fed Ex

8) Shipping slip numbers: 1) 8764 3644 3322 2)_____ 3)_____

9) YES NO NA Was the shipping slip scanned into the database?

10) YES NO NA If cooler belongs to APPL, has it been logged into the ice chest database?

11) Describe type of packing in cooler (bubble wrap, popcorn, type of ice, etc.): Bubble Wrap, Wet Ice

12) YES NO NA For hand delivered samples was sufficient ice present to start the cooling process? OL 3/20/12

13) YES NO Was a temperature blank included in the cooler?

14) Serial number of certified NIST thermometer used: IA39267 Correction factor: 2.0°C 0

15) Cooler temp(s): 1) 2.0°C 2)_____ 3)_____ 4)_____ 5)_____ 6)_____ 7)_____ 8)_____

Chain of custody:

16) YES NO Was a chain of custody received?

17) YES NO Were the custody papers signed in the appropriate places?

18) YES NO Was the project identifiable from custody papers?

19) YES NO Did the chain of custody include date and time of sampling?

20) YES NO Is location where sample was taken listed on the chain of custody?

Sample Labels:

21) YES NO Were container labels in good condition?

22) YES NO Was the client ID on the label?

23) YES NO Was the date of sampling on the label?

24) YES NO Was the time of sampling on the label?

25) YES NO Did all container labels agree with custody papers?

Sample Containers:

26) YES NO Were all containers sealed in separate bags?

27) YES NO Did all containers arrive unbroken?

28) YES NO Was there any leakage from samples?

29) YES NO Were any of the lids cracked or broken?

30) YES NO Were correct containers used for the tests indicated?

31) YES NO Was a sufficient amount of sample sent for tests indicated?

32) YES NO NA Were bubbles present in volatile samples? If yes, the following were received with air bubbles:

Larger than a pea: _____

Smaller than a pea: _____

Preservation & Hold time:

33) YES NO NA Was a sufficient amount of holding time remaining to analyze the samples?

34) YES NO NA Do the sample containers contain the same preservative as what is stated on the COC?

35) YES NO NA Was the pH taken of all non-VOA preserved samples and written on the sample container?

36) YES NO NA Was the pH of acid preserved non-VOA samples < 2 & sodium hydroxide preserved samples > 12?

37) YES NO NA Unpreserved VOA Vials received? _____

38) YES NO NA Are unpreserved VOA vials noted in the ADD TEST FIELD on the ARF? _____

Lab notified if pH was not adequate: _____

Deficiencies: _____

Signature of personnel receiving samples: _____ Second reviewer: _____

Signature of project manager notified: _____ Date and Time of notification: _____

Name of client notified: _____ Date and Time of notification: _____

Information given to client: _____

_____ by whom (Initials): _____

MERCURY

EPA Method 7471B

APPL, INC.

MERCURY

EPA Method 7471B

AFCEE Forms

APPL, INC.

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: EPA 7471B
Lab Name: APPL, Inc
Base/Command: CSSA

AAB #: 120321A-165061
Contract #: *G012
Prime Contractor: Parsons

Field Sample ID	Lab Sample ID
B4-US10	AY57291
B4-US10 FD	AY57292

Comments: ARF: 67264

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

Signature: _____ Name: Diane Anderson

Date: 3-30-12 Title: Project Manager

AFCEE FORM I-1

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120321A-165061
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-US10 Lab Sample ID: AY57291 Matrix: Soil
% Solids: 82.4 Initial Calibration ID: 120321A
Date Received: 20-Mar-12 Date Prepared: 21-Mar-12 Date Analyzed: 21-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.04	1	F

Comments: ARF: 67264

AFCEE FORM I-2

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 7471B Preparatory Method: 7471B AAB #: 120321A-165061
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: B4-US10 FD Lab Sample ID: AY57292 Matrix: Soil
% Solids: 83.6 Initial Calibration ID: 120321A
Date Received: 20-Mar-12 Date Prepared: 21-Mar-12 Date Analyzed: 21-Mar-12
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
MERCURY (HG)	0.01	0.1	0.04	1	F

Comments: ARF: 67264

AFCEE FORM I-2

AFCEE
INORGANIC ANALYSES DATA SHEET 3
MERCURY INITIAL MULTIPOINT CALIBRATION

Analytical Method: 7471B

AAB #: 120321A-165061

Lab Name: APPL, Inc

Contract #: *G012

Instrument ID: PE300

Date of Initial Calibration: 21-Mar-12

Initial Calibration ID: 120321A

Concentration Units (mg/L or mg/kg): mg/kg

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	r	Q
Mercury	0.000208	0.004	0.000521	0.010	0.001042	0.019	0.002083	0.037	0.005208	0.087	0.99963	

r = correlation coefficient

Comments:

AFCEE FORM I-3A

AFCEE
INORGANIC ANALYSES DATA SHEET 3
MERCURY INITIAL MULTIPOINT CALIBRATION

Analytical Method: 7471B

AAB #: 120321A-165061

Lab Name: APPL, Inc

Contract #: *G012

Instrument ID: PE300

Date of Initial Calibration: 21-Mar-12

Initial Calibration ID: 120321A

Concentration Units (mg/L or mg/kg): mg/kg

Analyte	Std 6	RF 6									r	Q
Mercury	0.010420	0.182									0.99963	

r = correlation coefficient

Comments:

AFCEE FORM I-3A

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: 7471B

AAB #: 120321A-165061

Lab Name: APPL, Inc.

Contract #: *G012

Instrument ID: PE300

Initial Calibration ID: 120321A

2nd Source ID: ICV 03/21/12 11:16

ICV ID: ICV 03/21/12 11:16

CCV #1 ID: CCV 03/21/12 11:19

CCV #2 ID: CCV 03/21/12 11:32

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury (Hg)	0.00417	0.00401	3.9%	0.00417	0.00401	3.9%	0.005208	0.00510	2.1%	0.00531	2.0%	

Comments:

AFCEE FORM I-4 Page 1 of 1

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANK

Analytical Method: EPA 7471B
Lab Name: APPL, Inc
Concentration Units: mg/kg
Initial Calibration ID: 120321A

AAB #: 120321A-165061
Contract #: *G012
Method Blank ID: 120321A-BLK

Analyte	Method Blank	RL	Q
MERCURY (HG)	< RL	0.1	U

Comments: ARF: 67264, Sample: AY57291

AFCEE FORM W-5

AFCEE
INORGANIC ANALYSES DATA SHEET 5
BLANKS

Analytical Method: 7471B AAB #: 120321A-165061

Lab Name: APPL, Inc. Contract #: *G012

Concentration Units (mg/L or mg/kg): mg/kg

Initial Calibration Blank ID: ICB 03/21/12 11:18 Initial Calibration ID: 120321A

CCB #1 ID: CCB 03/21/12 11:21 CCB #2 ID: CCB 03/21/12 11:34 CCB #3 ID:

Method Blank ID: 120321A-BLK Initial Calibration ID: 120321A

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Mercury (Hg)	<RL	<RL	<RL		<RL	0.1	

Comments:

AFCEE FORM I-5 Page 1 of 1

AFCEE
INORGANIC ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: EPA 7471B
Lab Name: APPL, Inc
LCS ID: 120321A LCS
Concentration Units: mg/kg

AAB #: 120321A-165061
Contract #: *G012
Initial Calibration ID: 120321A

Analyte	Expected	Found	% R	Control Limits	Q
MERCURY (HG)	0.67	0.66	98.5	77-120	

Comments: ARF: 67264, Sample: AY57291

AFCEE FORM I-6

AFCEE
INORGANIC ANALYSES DATA SHEET 7
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: EPA 7471B

Lab Name: APPL, Inc

Contract #: *G012

Concentration Units: mg/kg

% Solids: 82.4

Parent Field Sample ID: B4-US10

MS ID: 120321-57291S MS

MSD ID: 120321-57291S MSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	% R	Duplicate Spiked Sample Result	% R	% RPD	Control Limits % R	Control Limits % RPD	Q
MERCURY (HG)	0.04	0.67	0.81	115	0.80	113	1.2	77-120	25	

Comments: ARF: 67264

AFCEE FORM I-7

AFCEE
INORGANIC ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: EPA 7471B AAB#: 120321A-165061

Lab Name: APPL, Inc Contract #: *G012

Field Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
B4-US10	19-Mar-12	20-Mar-12	21-Mar-12	28	2	
B4-US10 FD	19-Mar-12	20-Mar-12	21-Mar-12	28	2	

Comments: ARF: 67264

AFCEE FORM I-8

Sample_ID	EL	Date	Time	Mean_SA	Units	Batch_ID	Wt	Dilu
Calib Blank	Hg	03/21/12	11:02:40		µg/L			
0.2083 03-21-12 LO	Hg	03/21/12	11:03:53		µg/L			
0.520833	Hg	03/21/12	11:05:06		µg/L			
1.041667	Hg	03/21/12	11:07:08		µg/L			
2.083333	Hg	03/21/12	11:09:10		µg/L			
5.208	Hg	03/21/12	11:11:12		µg/L			
10.417	Hg	03/21/12	11:13:16		µg/L			
ICV 03-21-12 LO	Hg	03/21/12	11:16:39	4.00887	µg/L			
ICB 03-21-12 LO	Hg	03/21/12	11:18:41	0.053438	µg/L			
CCV 03-21-12 LO	Hg	03/21/12	11:19:56	5.098003	µg/L			
CCB 03-21-12 LO	Hg	03/21/12	11:21:58	0.081592	µg/L			
120321A BLK	Hg	03/21/12	11:23:11	0.01854	mg/kg	120321A-7471GROSS	0.6	
120321A LCS	Hg	03/21/12	11:24:24	0.655679	mg/kg	120321A-7471GROSS	0.6	
AY57291S01	Hg	03/21/12	11:26:26	0.030124	mg/kg	120321A-7471GROSS	0.73	
AY57291S01 MS	Hg	03/21/12	11:27:39	0.667417	mg/kg	120321A-7471GROSS	0.73	
AY57291S01 MSD	Hg	03/21/12	11:29:40	0.658958	mg/kg	120321A-7471GROSS	0.73	
AY57292S01	Hg	03/21/12	11:31:42	0.037318	mg/kg	120321A-7471GROSS	0.72	
CCV 03-21-12 LO	Hg	03/21/12	11:32:56	5.314449	µg/L			
CCB 03-21-12 LO	Hg	03/21/12	11:34:58	0.129497	µg/L			

R=0.99963

AFCEE
INORGANIC ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 7471B ICAL ID: 120321A

Lab Name: APPL, Inc. Contract #: *G012

Instrument ID #: PE300

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
Calib Blank	21-Mar-12	11:02	21-Mar-12	11:02
0.2083	21-Mar-12	11:03	21-Mar-12	11:03
0.520833	21-Mar-12	11:05	21-Mar-12	11:05
1.041667	21-Mar-12	11:07	21-Mar-12	11:07
2.083333	21-Mar-12	11:09	21-Mar-12	11:09
5.208	21-Mar-12	11:11	21-Mar-12	11:11
10.417	21-Mar-12	11:13	21-Mar-12	11:13
ICV	21-Mar-12	11:16	21-Mar-12	11:16
ICB	21-Mar-12	11:18	21-Mar-12	11:18
CCV	21-Mar-12	11:19	21-Mar-12	11:19
CCB	21-Mar-12	11:21	21-Mar-12	11:21
120321A-BLK	21-Mar-12	11:23	21-Mar-12	11:23
120321A-LCS	21-Mar-12	11:24	21-Mar-12	11:24
AY57291S01	21-Mar-12	11:26	21-Mar-12	11:26
AY57291S01 MS	21-Mar-12	11:27	21-Mar-12	11:27
AY57291S01 MSD	21-Mar-12	11:29	21-Mar-12	11:29
AY57292S01	21-Mar-12	11:31	21-Mar-12	11:31
CCV	21-Mar-12	11:32	21-Mar-12	11:32
CCB	21-Mar-12	11:34	21-Mar-12	11:34

MERCURY

EPA Method 7471B

Calibration Data

APPL, INC.

Parsons

Hg BY METHOD 7471B
QCG 120321A-7471GROSS
ANALYSIS DATE: 03/21/12

ARF#67264

R=0.99963

NAME	TRUE	RESULT	% RECOVERY
ICV	4.17ppb	4.009	96.1%
ICB	0ppb	0.053	
CCV-1	5.208ppb	5.098	97.9%
CCB-1	0ppb	0.082	
CCV-2	5.208ppb	5.314	102.0%
CCB-2	0ppb	0.129	

Method Name: Hg-7471 - RJS Element: Hg

Date: 03/21/2012
Results Data Set: 120321A-7471GR

Element: Hg Seq. No.: 1 Date: 03/21/2012
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			-0.007	11:01:01

Auto-zero performed.

Element: Hg Seq. No.: 2 Date: 03/21/2012
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.000	11:01:25

Auto-zero performed.

Element: Hg Seq. No.: 3 Date: 03/21/2012
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.000	11:02:29
2			0.000	11:02:35
3			0.000	11:02:40
Mean:			0.000	
SD :			0.000	
%RSD:			1433.62	

Auto-zero performed.

Element: Hg Seq. No.: 4 Date: 03/21/2012
Sample ID: 0.2083 03-21-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.004	11:03:42
2			0.005	11:03:48
3			0.005	11:03:53
Mean:			0.004	
SD :			0.000	
%RSD:			3.45	

Standard number 1 applied. [0.208333]
Correlation Coefficient: 1.0000 Slope: 0.0215

Element: Hg Seq. No.: 5 Date: 03/21/2012
Sample ID: 0.520833

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.010	11:04:56
2			0.010	11:05:01
3			0.010	11:05:06
Mean:			0.010	
SD :			0.000	
%RSD:			1.65	

Standard number 2 applied. [0.520833]
Correlation Coefficient: 0.9966 Slope: 0.0199
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 6 Date: 03/21/2012
Sample ID: 1.041667

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.019	11:06:57
2			0.019	11:07:02
3			0.020	11:07:08
Mean:			0.019	
SD :			0.001	
%RSD:			3.08	

Standard number 3 applied. [1.041667]
Correlation Coefficient: 0.9980 Slope: 0.0189
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 7 Date: 03/21/2012
Sample ID: 2.083333

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.036	11:08:59
2			0.037	11:09:04
3			0.038	11:09:10
Mean:			0.037	
SD :			0.001	
%RSD:			2.89	

Standard number 4 applied. [2.083333]
Correlation Coefficient: 0.9988 Slope: 0.0181
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 8 Date: 03/21/2012
Sample ID: 5.208

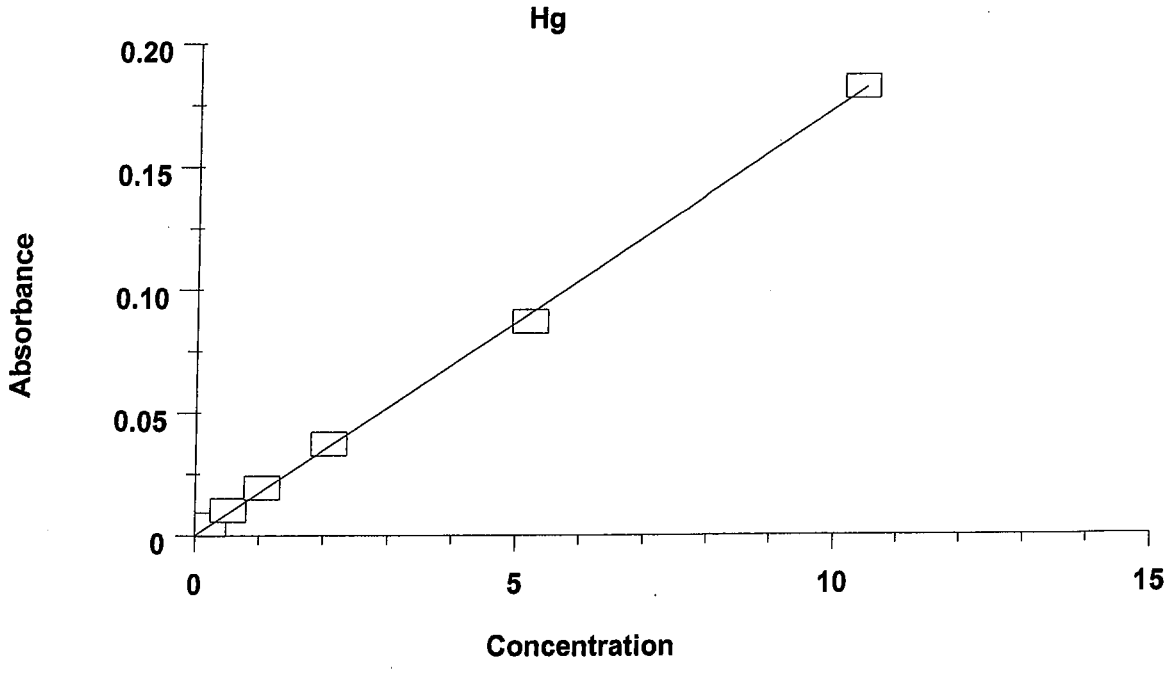
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.085	11:11:02
2			0.088	11:11:07
3			0.089	11:11:12
Mean:			0.087	
SD :			0.002	
%RSD:			2.63	

Standard number 5 applied. [5.208]
Correlation Coefficient: 0.9989 Slope: 0.0170
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 9 Date: 03/21/2012
Sample ID: 10.417

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1			0.176	11:13:05
2			0.184	11:13:10
3			0.187	11:13:16
Mean:			0.182	
SD :			0.006	
%RSD:			3.07	

The calibration curve may not be linear.
Standard number 6 applied. [10.417]
Correlation Coefficient: 0.9996 Slope: 0.0174



Calibration data for Hg

Standard ID	Mean Signal (Absorbance)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	----	0.000	0.000380	
0.2083 03-21-12 LO	0.004	0.208333	0.2571	0.000154	3.446950
0.520833	0.010	0.520833	0.5867	0.000169	1.653396
1.041667	0.019	1.041667	1.114	0.000598	3.083399
2.083333	0.037	2.083333	2.139	0.001075	2.889720
5.208	0.087	5.208	5.013	0.002291	2.626860
10.417	0.182	10.417	10.49	0.005599	3.069127

Correlation Coefficient: 0.99963 Slope: 0.01740

MERCURY

EPA Method 7471B

Raw Data

APPL, INC.

Element: Hg Seq. No.: 10 Date: 03/21/2012
Sample ID: ICV 03-21-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	3.861	3.861	0.067	11:16:29
2	4.036	4.036	0.070	11:16:34
3	4.130	4.130	0.072	11:16:39
Mean:	4.009	4.009	0.070	
SD :	0.1367	0.1367	0.002	
%RSD:	3.41	3.41	3.41	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 11 Date: 03/21/2012
Sample ID: ICB 03-21-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.04838	0.04838	0.001	11:18:30
2	0.05888	0.05888	0.001	11:18:35
3	0.05305	0.05305	0.001	11:18:41
Mean:	0.05344	0.05344	0.001	
SD :	0.005263	0.005263	0.000	
%RSD:	9.85	9.85	9.85	

QC value within specified limits.

Element: Hg Seq. No.: 12 Date: 03/21/2012
Sample ID: CCV 03-21-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	4.948	4.948	0.086	11:19:45
2	5.121	5.121	0.089	11:19:50
3	5.225	5.225	0.091	11:19:56
Mean:	5.098	5.098	0.089	
SD :	0.1400	0.1400	0.002	
%RSD:	2.75	2.75	2.75	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 13 Date: 03/21/2012
Sample ID: CCB 03-21-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.09334	0.09334	0.002	11:21:47
2	0.08473	0.08473	0.001	11:21:52
3	0.06671	0.06671	0.001	11:21:58
Mean:	0.08159	0.08159	0.001	
SD :	0.01359	0.01359	0.000	
%RSD:	16.66	16.66	16.66	

QC value within specified limits.

Element: Hg Seq. No.: 14 Date: 03/21/2012
Sample ID: 120321A BLK

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.01783	0.1114	0.002	11:23:01
2	0.01931	0.1207	0.002	11:23:06
3	0.01848	0.1155	0.002	11:23:11
Mean:	0.01854	0.1159	0.002	
SD :	0.000746	0.004660	0.000	
%RSD:	4.02	4.02	4.02	

Element: Hg Seq. No.: 15 Date: 03/21/2012
Sample ID: 120321A LCS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.6354	3.971	0.069	11:24:14
2	0.6587	4.117	0.072	11:24:19
3	0.6729	4.206	0.073	11:24:24
Mean:	0.6557	4.098	0.071	
SD :	0.01897	0.1186	0.002	
%RSD:	2.89	2.89	2.89	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 16 Date: 03/21/2012
Sample ID: AY57291S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.02917	0.2218	0.004	11:26:15
2	0.03053	0.2322	0.004	11:26:20
3	0.03067	0.2332	0.004	11:26:26
Mean:	0.03012	0.2291	0.004	
SD :	0.000828	0.006300	0.000	
%RSD:	2.75	2.75	2.75	

Element: Hg Seq. No.: 17 Date: 03/21/2012
Sample ID: AY57291S01 MS

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.6462	4.913	0.085	11:27:28
2	0.6709	5.101	0.089	11:27:33
3	0.6852	5.211	0.091	11:27:39
Mean:	0.6674	5.075	0.088	
SD :	0.01977	0.1503	0.003	
%RSD:	2.96	2.96	2.96	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 18 Date: 03/21/2012
Sample ID: AY57291S01 MSD

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.6417	4.880	0.085	11:29:29
2	0.6605	5.022	0.087	11:29:34
3	0.6747	5.130	0.089	11:29:40
Mean:	0.6590	5.011	0.087	
SD :	0.01651	0.1255	0.002	
%RSD:	2.51	2.51	2.51	

An extra autosampler wash has been performed.

Element: Hg Seq. No.: 19 Date: 03/21/2012
Sample ID: AY57292S01

Repl #	SampleConc mg/kg	StndConc µg/L	BlnkCorr Signal	Time
1	0.03597	0.2698	0.005	11:31:31
2	0.03704	0.2778	0.005	11:31:37
3	0.03895	0.2921	0.005	11:31:42
Mean:	0.03732	0.2799	0.005	
SD :	0.001508	0.01131	0.000	
%RSD:	4.04	4.04	4.04	

Element: Hg Seq. No.: 20 Date: 03/21/2012
Sample ID: CCV 03-21-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	5.193	5.193	0.090	11:32:45
2	5.342	5.342	0.093	11:32:51
3	5.409	5.409	0.094	11:32:56
Mean:	5.314	5.314	0.092	
SD :	0.1106	0.1106	0.002	
%RSD:	2.08	2.08	2.08	

QC value within specified limits.
An extra autosampler wash has been performed.

Element: Hg Seq. No.: 21 Date: 03/21/2012
Sample ID: CCB 03-21-12 LO

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Time
1	0.1325	0.1325	0.002	11:34:48
2	0.1308	0.1308	0.002	11:34:53
3	0.1252	0.1252	0.002	11:34:58
Mean:	0.1295	0.1295	0.002	
SD :	0.003844	0.003844	0.000	
%RSD:	2.97	2.97	2.97	

QC value within specified limits.

Metals Standards Log Book # 34 Page # 083

SA 3/16-12
6010B-C
(A)

1%HNO3 / 5%HCl BLK

AMT.	REAGENT	MANUFACTURER	LOT	OPEN DATE
100 mL	HCL	BDH	411060	12/28/11
20 mL	HNO3	JT BAKER	K23022	12/27/11

Prepared in 2000 ml DI Water

STD 1 / LDL 6010B/6010C

AMT.	STD	MANUFACTURER	LOT	EXP DATE
0.5 mL	6010 LDL	ABSOLUTE	091409-25205	09/14/12

Prepared in 50 ml 1%HNO3/5%HCl

STD 3 / HDL 6010B/6010C

1ML	CCV-A	ABSOLUTE	091409-25206	09/14/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12
1ML	CCV-C	ABSOLUTE	091009-25207	09/10/12

Prepared in 100 ml 1%HNO3

STD 2 / CCV1 6010B/6010C/6010C

AMT.	STD	PREP DATE	EXP DATE
25mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

CCV2 6010B/6010C

15mL	STD 3	Today	1 week
25mL	1%HNO3/5%HCl	Today	1 week

6010B/6010C ICSA

AMT.	STD	MANUFACTURER	LOT	EXP DATE
1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2786	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12

Prepared in 50 ml 1%HNO3/5%HCl

6010B/6010C ICSAB

1mL	Al	CPI	10E012-27685	04/20/12
1mL	Ca	CPI	11A006-28528	09/15/12
1mL	Mg	CPI	10H213-2786	04/20/12
1mL	Fe	O2SI	1022245-27699	04/22/12
0.5mL	INT SPECIAL MIX	O2SI	1032370-30265	02/01/13

Prepared in 50 ml 1%HNO3/5%HCl

6010B/6010C ICV

0.5ML	QCS ICV A	CPI	11C174-28548 09/17/12
0.5ML	QCS ICV B	CPI	11C174-28549 09/17/12

Prepared in 50ml 1%HNO3/5%HCl

YITTRIUM INTERNAL STANDARD

2.0 mL	Yittrium	O2SI	1024334	09/04/12

Prepared in 2000 ml 1%HNO3/5%HCl

SA 3-16-12

RBS 3/19/12

Hg STANDARD

CPI Lot # 11D140-28885
10ug/ml in 1% HNO3 LOT#K23022
Prep. Date 03/19/12
Exp. Date 04/16/12
By RJS

Manufacturer: J.T. Baker

Hg STOCK ICV

Ultra Scientific Lot #
K00200-26307
10ug/ml in 1% HNO3 LOT#K23022
Prep.Date 03/19/12
Exp. Date 04/16/12
By RJS
Manufacturer: J.T. Baker

RBS 3/19/12

STANNOUS CHLORIDE

125g SnCl2 MACRON Lot #K12620
100 mL HCl BDH Lot #4111060
Brought to 500 mL with DI Water
Prep. Date 03/19/12
Exp. Date 03/19/13
By RJS

RBS 3/19/12

RBS 3/19/12

Hg WORKING STANDARD

1ml X 10ug/ml Hg STOCK STD. (03/19/12RJS)/200ml 1% HNO3 Lot#K23022
1ml X 10ug/ml Hg STOCK ICV (03/19/12RJS)/200ml 1% HNO3 Lot#K23022
Final concentration is 50 ug/L. Expires.....3/19/12.....

NM 3/19/12

KMNO4

200g Potassium Permanganate J.T. BAKER #G32589-2232
+ 4000mL DI H2O Exp: 3/19/13

Metals Standards Log Book # 34 Page # 085

084

NBS 03/20/12

NBS 03/20/12
6020/6020A
(A)

ICP-MS STANDARDS 6020/6020A/3015/3051A

Today's Date: 03/20/12
Expires: 03/27/12
Prep 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL Di Water
Lot # K23022
20mL HCL / 2000mL Di Water
Lot #K43032
Expires: 03/27/12

Internal Standard Mix: Prep 03/20/2012

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 03/20/12

Standard 3 03/27/12

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1036407-28139
25 uL	CCV-B	Env. Express	1036410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 03/20/12

Intermediate-Sb 03/27/12
100 uL of Sb STD (CPI 12A011-30298) in 10 mL of 1% HNO3/1.0% HCL
ICV-Sb 03/27/12
100 uL of Intermediate-Sb in 10 mL of 1% HNO3/1.0% HCL

NBS 03/20/12

Standard 2 03/27/12

Amount	STD	
500 uL	Standard 4	03/20/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/20/12

Standard 1 03/27/12

Amount	STD	
50 uL	Standard 4	03/20/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/20/12

ICP-MS ICV 03/27/12

Amount	STD		
50 uL	QCS ICV A	CPI	11C174-28548
50 uL	QCS ICV B	CPI	11C174-28549

Prepared in 50 mL of 1% HNO3/1.0% HCL 03/20/12

ICSA Prep: 03/27/12

1 mL	ICSA	CPI	11C088-28529

Prepared in 5 mL of 1% HNO3/1.0% HCL 03/20/12

ICSAB Prep: 03/27/12

1mL	ICSA	CPI	11C088-28529
0.025mL	INT	O2SI	1023805-28210

Prepared in 5 mL of 1% HNO3/1.0% HCL 03/20/12

ICP-LDR 03/27/12

Amount	STD		
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 10 mL of 1% HNO3/1.0% HCL 03/20/12

NBS 03/20/12

NBS 03/20/12

Internal Standard Concentration

Amt	STD	Element	Vendor	Lot#	Final Conc. in Std		Expires
500uL	1000 ug/mL	Li	CPI	10L079-27639	5000 ug/L		06/10/12
500uL	1000 ug/mL	In	CPI	10J155-28574	5000 ug/L		09/25/12
500uL	1000 ug/mL	Ho	CPI	10A107-28576	5000 ug/L		09/25/12
500uL	1000 ug/mL	Tb	CPI	11B054-28575	5000 ug/L		09/25/12
500uL	1000 ug/mL	Sc	o2si	1024073-28527	5000 ug/L		08/18/12
500uL	1000 ug/mL	Ge	Environmental Express	1116011-29381	5000 ug/L		02/08/13

Prep:	03/20/12	NBS	Prep in -	1%HNO3/1.0%HCL:	Lot #KK23022/43032	in 100mL
Expires:	04/19/12					

EA 3-20-12

6010B-C
(A)

1%HNO3 / 5%HCl BLK					6010B/6010C ICSA				
AMOUNT	REAGENT	MANUFACTURER	LOT	OPEN DATE	AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
100 mL	HCL	BDH	411060	03/15/12	1mL	Al	CPI	10E012-27685	04/20/12
20 mL	HNO3	JT BAKER	K23022	03/15/12	1mL	Ca	CPI	11A006-28528	09/15/12
Prepared in 2000 ml DI Water					1mL	Mg	CPI	10H213-2786	04/20/12
STD 1 / LDL 6010B/6010C					1mL	Fe	O2SI	1022245-27699	04/22/12
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE	Prepared in 50 ml 1%HNO3/5%HCl				
0.5 mL	6010 LDL	ABSOLUTE	.091409-25205	09/14/12	6010B/6010C ICSAB				
Prepared in 50 ml 1%HNO3/5%HCl					1mL	Al	CPI	10E012-27685	04/20/12
STD 3 / HDL 6010B/6010C					1mL	Ca	CPI	11A006-28528	09/15/12
1ML	CCV-A	ABSOLUTE	091409-25206	09/14/12	1mL	Mg	CPI	10H213-2786	04/20/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12	1mL	Fe	O2SI	1022245-27699	04/22/12
1ML	CCV-C	ABSOLUTE	091009-25207	09/10/12	0.5mL	INT SPECIAL MIX	O2SI	1032370-30265	02/01/13
Prepared in 100 ml 1%HNO3 / 5%HCl					Prepared in 50 ml 1%HNO3/5%HCl				
STD 2 / CCV1 6010B/6010C/6010C					6010B/6010C ICV				
AMOUNT	STD	PREP DATE	EXP DATE		0.5ML	QCS ICV A	CPI	11C174-28548	09/17/12
25mL	STD 3	Today	1 week		0.5ML	QCS ICV B	CPI	11C174-28549	09/17/12
25mL	1%HNO3/5%HCl	Today	1 week		Prepared in 50ml 1%HNO3/5%HCl				
CCV2 6010B/6010C									
AMOUNT	STD	PREP DATE	EXP DATE						
15mL	STD 3	Today	1 week						
25mL	1%HNO3/5%HCl	Today	1 week						

EA 3-20-12

RDS 3/21/12

RDS 3/21/12

Hg WORKING STANDARD

1ml X 10ug/ml Hg STOCK STD. (03/19/12RJS)/200ml 1% HNO3 Lot#K23022
1ml X 10ug/ml Hg STOCK ICV (03/19/12RJS)/200ml 1% HNO3 Lot#K23022
Final concentration is 50 ug/L. Expires..3/21/12.....

Mercury Digestion Worksheet

Method Name 7471A Mercury Digestion (GROSS UP **Prep Method** M7471GRO **Set** 120321A **Units** mL

Spikes	
Spiked ID 1	Hg WORKING STANDARD prep 03-21-12
Spiked ID 2	Hg WORKING ICV prep 03-21-12
Spiked ID 3	
Spiked ID 4	
Spiked By	LO Date: 03/21/12 9:15:00 AM
Witnessed By	NM Date: 03/21/12 9:15:00 AM

Starting Temp:	95 C
Ending Temp:	95 C
Temp Type:	Modblock1
End Date/Time	03/21/12 10:00:00 AM

Mercury Calibration

Sample	Spike Amount	Spike ID	Final Volume
0 ppb		1	96 ml
0.2 ppb	0.4 ml	1	96 ml
0.5 ppb	1 ml	1	96 ml
1 ppb	2 ml	1	96 ml
2 ppb	4 ml	1	96 ml
5 ppb	10 ml	1	96 ml
5 ppb	10 ml	1	96 ml
10 ppb	20 ml	1	96 ml
ICV	8 ml	2	96 ml

Start Date/Time of Calibration 03/21/12 9:15

Sufficient Vol for Matrix QC:	YES

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	120321A Blk				0.60g	96mL	03/21/12 9:15	equip: Modblock1
2	120321A LCS		8mL	1	0.60g	96mL	03/21/12 9:15	equip: Modblock1
3	AY57291	AY57291S01			0.73g	96mL	03/21/12 9:15	equip: Modblock1
4	AY57291 MS	AY57291S01	8mL	1	0.73g	96mL	03/21/12 9:15	equip: Modblock1
5	AY57291 MSD	AY57291S01	8mL	1	0.73g	96mL	03/21/12 9:15	equip: Modblock1
6	AY57292	AY57292S01			0.72g	96mL	03/21/12 9:15	equip: Modblock1

Solvent and Lot#
AQUAREGIA 2-16-12
KMnO4 12-15-11
DECOLORIZER 12-14-11

Sample COC Transfer	
Sample prep employee Initials	LO
Analyst's initials	ST
Date	3-21-12
Time	10:00
Moved to	Metals

Technician's Initials	
Scanned By	NM
Sample Preparation	NM
Digestion	NM
Bring up to volume	LO
Modified	03/21/12 9:31:28 AM

Reviewed By: ST **Date:** 3-21-12

Wetlab Results

ARF: 67264

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Parsons
8000 Centre Park Drive Ste 200
Austin, TX 78754

Attn: Tammy Chang

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
APPL ID: AY57291 -Client Sample ID: B4-US10			-Sample Collection Date: 03/19/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	17.6	2.0	%	03/20/12	03/21/12
APPL ID: AY57292 -Client Sample ID: B4-US10 FD			-Sample Collection Date: 03/19/12		Project: 748372.06000 CSSA	
CLP MOIST	MOISTURE	16.4	2.0	%	03/20/12	03/21/12

Printed: 03/28/12 4:27:56 PM

WETLAB

Sample/Sample Duplicate Results

Parsons
8000 Centre Park Drive Ste 200
Austin, TX 78754

Attn: Tammy Chang

Project: 748372.06000 CSSA

Sample ID: AY57291
Client ID: B4-US10

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

ARF: 67264

Method	Analyte	Sample ID	Sample Result	Sample Dup Result	RPD	RPD Max	PQL	Units	Sample Extract Date	Sample Analysis Date	Sample Dup Extract Date	Sample Dup Analysis Date
CLP MOIS	MOISTURE	AY57291	17.6	17.0	3.5	20	2.0	%	03/20/12	03/21/12	03/20/12	03/21/12

Printed: 03/28/12 4:27:45 PM

% Moisture

Batch: QCG 120320-M004014

Method: CLP 4.0

Date: 03/20/12 13:00

Sample	Container	Pan (g)	Pan+Wet (g)	Pan+Dry 1 (g)	Pan+Dry 2 (g)	Moisture (%)	Comments
AY57292	s01	0.8153 03/20/12 13:00	7.2257 03/20/12 13:01	6.1759 03/21/12 08:48	6.1761 03/21/12 08:48	16.373	AY57292S01
AY57291D	s01	0.8106 03/20/12 12:58	7.2807 03/20/12 12:59	6.1789 03/21/12 08:47	6.1791 03/21/12 08:47	17.026	AY57291S01
AY57291	s01	0.8272 03/20/12 12:57	7.5597 03/20/12 12:58	6.3754 03/21/12 08:47	6.3759 03/21/12 08:47	17.583	AY57291S01

Date/Time InOven@104°C	Date/Time OutOven@104°C	Date/Time InOven@104°C	Date/Time OutOven@104°C
03/20/12 1:01:00 PM			03/21/12 8:47:00 AM

Date	Initials	Balance	Weight	Reading	Lower Limit	Upper Limit	Comments / Is the Bubble Centered?
3-19-12	CK	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0005 g	19.9800	20.0200	
		Mettler AT200	50g	50.0014 g	49.9500	50.0500	
		Mettler AT200	100g	100.0026 g	99.9000	100.1000	
		Mettler AT200	150g	150.0040 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	1000.00 g	980.00	1020.00	
↓	↓	OHAUS ARC120	2kg	1999.99 g	1960.00	2040.00	↓
3-20-12	CK	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0004 g	19.9800	20.0200	
		Mettler AT200	50g	50.0013 g	49.9500	50.0500	
		Mettler AT200	100g	100.0024 g	99.9000	100.1000	
		Mettler AT200	150g	150.0036 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	999.99 g	980.00	1020.00	
↓	↓	OHAUS ARC120	2kg	1999.95 g	1960.00	2040.00	↓
3-21-12	CK	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0001 g	0.9990	1.0010	
		Mettler AT200	20g	20.0003 g	19.9800	20.0200	
		Mettler AT200	50g	50.0011 g	49.9500	50.0500	
		Mettler AT200	100g	100.0023 g	99.9000	100.1000	
		Mettler AT200	150g	150.0034 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	99.99 g	98.00	102.00	
		OHAUS ARC120	1kg	999.94 g	980.00	1020.00	
↓	↓	OHAUS ARC120	2kg	1999.99 g	1960.00	2040.00	↓
3-22-12	CK	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
		Mettler AT200	1g	1.0000 g	0.9990	1.0010	
		Mettler AT200	20g	20.0003 g	19.9800	20.0200	
		Mettler AT200	50g	50.0010 g	49.9500	50.0500	
		Mettler AT200	100g	100.0019 g	99.9000	100.1000	
		Mettler AT200	150g	150.0030 g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	98.00	102.00	
		OHAUS ARC120	1kg	1000.00 g	980.00	1020.00	
↓	↓	OHAUS ARC120	2kg	2000.00 g	1960.00	2040.00	↓