PARS
Environmental
Inc.

SITE INSPECTION REPORT

Niagara Falls Armed Forces Reserve Center Building 2 and Former Fire Protection Main 9400 Porter Road Niagara Falls, Niagara County, NY

Volume I of IV

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STATEMENT OF TECHNICAL REVIEW

PARS Environmental, Inc. has completed the final Site Inspection Report for the evaluation of potential impacts at the Niagara Falls US Armed Forces Reserve Center located in Niagara Falls, New York (New York State Department of Environmental Conservation Spill # 0803478).

Notice is hereby given that an independent technical review has been conducted that is appropriate to the level of risk and complexity inherent in the project. During the independent technical review, compliance with established policy, principles and procedures, utilizing justified and valid assumptions, was verified. This included review of assumptions; methods, procedures and materials used in analyses; the appropriateness of data used and level of data obtained; and reasonableness of the results including whether the product meets the customer's needs consistent with the law and existing US Army Corp policy.

Significant concerns and explanation of the resolutions are documented within the project file. As noted above, all concerns resulting from the independent technical review of the project have been considered.

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1.0 INTRODUCTION

The United States Corps of Engineers (USACE), Louisville District has retained the services of PARS Environmental, Inc. (PARS) to conduct a site inspection at the Niagara Falls Armed Forces Reserve Center (AFRC). The AFRC is located at 9400 Porter Road in Niagara Falls, New York, hereinafter the "Site." The Site was most recently used for industrial purposes and the expected future use will be for commercial or industrial purposes. A Site Location Map and Site Plan are included as Figure 1 and Figure 2, respectively.

The inspection was performed in accordance with the *Quality Assurance Project Plan/Sampling Plan* (PARS, November 2010). The purpose of the site inspection was to evaluate potential impacts associated with the former underground storage tanks (USTs) at Building 2 and former fire protection main. The construction of the fire protection water main was also evaluated as part of the project.

Inspection activities consisted of a geophysical survey over an approximate one acre portion of the Site at the locations of the former USTs at Building 2 and in the vicinity of the former fire protection main. Exploratory excavations were performed to investigate the former fire protection main. Additionally, soil and water sampling was performed to evaluate potential impacts related to the former USTs and the former fire protection main.

2.0 BACKGROUND

2.1 SITE SETTING

The Niagara Falls AFRC is an approximate 19.5 acre parcel located on the southern portion of Niagara Township, in Niagara Falls, Niagara County, New York. The Site is bound to the south by Porter Road and the property located immediately south of Porter Road is undeveloped forested land. Niagara Falls International Airport is located immediately north and east of the Site. Other properties in the vicinity of the Site are used primarily for commercial purposes.

2.2 TOPOGRAPHY AND DRAINAGE

Based on the Tonawanda West United States Geologic Service (USGS) topographic quadrangle, the elevation of the Site is approximately 575 feet above mean sea level. Topography at the Site is relatively flat with a slight gradient to the west/southwest.

Surface and storm water drainage is directed to Cayuga Creek located immediately west of the Site. Cayuga Creek is a tributary of the Niagara River, which is located south of the Site.

2.3 GEOLOGY

The Site is located in the Erie-Ontario Lowlands Physiographic Province. The region is characterized by relatively flat topography and dissected by the east-west trending Niagara Escarpment, which is located about five miles north of the Site.

The Niagara Falls area is underlain by glacial sediment consisting mainly of till and lacustrine silt and clay, approximately 5 to 80 feet thick. The glacial deposits overlay weathered dolomite and limestone of the Lockport Group (Niagaran Series of Middle Silurian age). The Lockport Group is underlain by approximately 100 feet of shale and limestone (Clinton Group), which is underlain by about 110 feet of sandstone and shale (Medina Group).

Soils encountered during the inspection consisted of non-cohesive fill material from 0 to 4 feet below ground surface (bgs). Fill material at some probe locations extended from 8 to 13 feet bgs. The fill material encountered was comprised of a coarse-grained mixture of sand and gravel with varying amounts of fine-grained silt and clay. Varying amounts of brick, slag, concrete, rebar, asphalt and wood were observed within this matrix. Native surficial soils are comprised of silty clay with trace fine sand. Borings were not advanced beyond 13 feet bgs as part of the inspection activities.

2.4 HYDROGEOLOGY

The Site is underlain by the Lakemont silty clay loam and the Fonda mucky silt loam. Both soil types are fine to moderately fine-textured and have a low permeability. These soils are subject to ponding and the water table in the vicinity of the Site is at a depth of less than four feet below ground surface (Environmental Condition of Property Report, CH2MHill, June 2007).

The glacial deposits at the Site act as a confining unit for the weathered bedrock below. The hydraulic properties in the Lockport dolomite and limestone are related to secondary porosity and permeability due to the presence of fractures and solutioning. The main water-bearing zones in the Lockport Group are the weathered bedrock surface and horizontal fracture zones near stratigraphic contacts. The rock matrix transmits negligible amounts of groundwater because primary porosity is very low.

Groundwater was encountered at depths ranging from 2 to 6 feet bgs in soil probes and exploratory excavations during field activities. It is likely that the coarse-grained fill material overlying the less-permeable native fine-grained clay is creating the perched groundwater conditions at the Site.

2.5 HISTORY OF OPERATIONS

The United States Government acquired the Site in 1955 and the United States Navy used the Site to service helicopters and airplanes. Most of the buildings at the Site were constructed by 1956. The Army obtained the Site from the Navy in 1962, and from 1970 to 1975, it was used to service Nike Missiles from missile batteries around New York State.

The Site was most recently occupied by the 277th Quartermaster Company, the 865th Combat Support Hospital, the 1982nd Forward Surgical Unit and Area Maintenance Support Activity 76. A small presence was also maintained by personnel of the Department of Public Works (DPW), Fort Drum, New York (*Environmental Condition of Property Report*, CH2MHill, June 2007).

2.6 PREVIOUS INVESTIGATIONS

Six USTs were reportedly present along the eastern and western sides of former Building 2. Additionally, a vehicle fueling area was located immediately west of the building. No documents were available regarding the USTs and fueling area.

An investigation of the fire protection main was performed by United States Army Reserve (USAR) in 2008. Product was observed discharging from the 6-inch diameter cast iron line into the 24-inch diameter corrugated storm sewer along the eastern portion of the Site. The cast iron line was subsequently capped. The drain valve for the cast iron line was uncovered and dislodged during the investigation. Product was observed in the excavation. A sample was collected and the product was identified as diesel fuel. Low concentrations of polychlorinated biphenyls (PCBs) also were detected in the product sample.

A yellow substance was observed discharging from an outfall (Outfall No. 5) into the drainage swale at the southeast corner of the Site. As part of the investigation, a sediment sample was collected from the 24-inch diameter storm sewer adjacent to the cast iron pipe. A sample of the yellow substance was also collected from the drainage swale. The sample results revealed that the sediment in the pipe and the yellow substance present in the swale contained detectable levels of PCBs. The New York State Department of Environmental Conservation (NYSDEC) was notified and Spill # 0803478 was assigned for the discharge.

The *Site Plan Domestic Water and Fire Service* (April 1982) shows that the 6-inch cast iron line (fire protection main) was connected to a drain in the center of a 500,000-gallon reservoir. The 6-inch cast iron line was used to drain the reservoir into the 24-inch corrugated metal storm sewer line along the eastern boundary of the Site. A 10-inch fire protection main appears to be connected to the drain in the reservoir. This fire protection main was a pump suction line that was connected to the fire pump room in former Building 2. The approximate location of the fire protection main (6-inch and 10-inch lines) and reservoir are shown in Figure 3. Additionally, a copy of the *Site Plan Domestic Water and Fire Service* is included in Appendix A.

The USACE and the USAR 99th Regional Support Command (99th RSC) retained the services of PARS to investigate and remediate the drainage swale at Outfall No. 5. The 24-inch diameter storm sewer was cleaned and approximately 134 tons of PCB-impacted soil was excavated from the drainage swale as part of the remedial action.

PCB concentrations in the post-excavation soil samples from the drainage swale were below the maximum contaminant level of 1.0 milligram per kilogram (mg/kg) that was established by the NYSDEC. Investigation and remediation activities are outlined in the *Remedial Action Report* (PARS, March 2010).

3.0 GEOPHYSICAL SURVEY

3.1 SURVEY METHODOLOGY

AMEC Geomatrix, Inc. (AMEC) was retained to perform a geophysical survey over an area of approximately one acre at the locations of the former USTs adjacent to Building 2 and in the vicinity of the 6-inch diameter cast iron fire protection water main. The geophysical survey was performed on November 22, 2010.

A reference grid was laid out in the area of the geophysical survey to facilitate data collection along evenly spaced lines approximately three feet apart. The grid was marked with orange and white spray paint at select coordinate locations. Grid locations are depicted in Figure 4.

A Geonics EM61 (EM61) was used to provide a general geophysical characterization of the Site and to assist in the delineation of potential subsurface anomalies (i.e., buried metallic or metallic-containing objects). The EM61 unit is a high sensitivity, high resolution time domain electromagnetic (TDEM) metal detector that can detect both ferrous and non-ferrous metallic objects with an investigation depth of up to ten feet bgs.

The EM61 unit transmitter coil generates a pulsed primary electromagnetic field at a rate of 150 pulses per second, inducing eddy currents into the subsurface. The decay rates of these eddy currents are then measured by two rectangular receiver coils and at a relatively long time frame after termination of the primary pulse. The decay rates of the eddy currents are longer for metal objects than for soils. Data was recorded digitally by a data logger at a rate of approximately two measurements per foot along the survey lines. The instrument responses are recorded in units of millivolts (mV).

3.2 SURVEY RESULTS

Three anomalies were identified within the footprint of former Building 2 and were labeled Anomalies A through C. These anomalies were identified as a non-distinct feature and may be debris from the former building.

An anomaly, labeled Anomaly D, was identified immediately east of Building 21. Based on a review of historic utility maps for the Site, this anomaly appears to be an underground water meter vault for the fire protection system. Two linear anomalies trending in an east-west direction were identified immediately east of Anomaly D. Historic utility maps identify these linear anomalies as fire protection lines (see Appendix A).

A linear anomaly trending north-south was identified in central portion of the survey area. Additionally, a linear anomaly was identified in the southwest corner of the survey area. Based on historic utility maps, these linear anomalies appear to be sanitary sewer lines.

A linear anomaly generally trending north-south was identified in the eastern portion of the survey area. This geophysical anomaly was identified as a storm sewer line based on historic utility maps for the Site.

An approximate 150-foot long linear anomaly was identified in the general vicinity of the cast iron fire protection main that terminates at the 24-inch diameter corrugated metal storm sewer line. The amplitude of the geophysical response diminishes in a westerly direction, which indicates that the depth of the pipe increases to the west or the pipe is absent.

A copy of the geophysical survey report prepared by AMEC is included in Appendix B. Anomalies identified as part of the geophysical survey were located using a digital global positioning system (GPS) and these anomalies are depicted in Figure 4.

4.0 EXPLORATORY EXCAVATIONS

4.1 EXCAVATION/SAMPLING METHODOLOGY

Based on the findings of the geophysical survey, previous investigations and field observations, 12 exploratory excavations (TP-1 through TP-12) were completed at the Site on December 7 and 8, 2010. Prior to initiating the field activities, Dig Safe New York was contacted to locate underground utilities in the work area. A site-specific health and safety plan was developed and implemented in the field.

A Doosan DX 35Z track-mounted excavator was used to complete excavation activities. The locations of the exploratory excavations are depicted in Figure 4.

The purpose of the excavation activities was to inspect the cast iron fire protection main, which was connected to a former 500,000-gallon reservoir and discharged to the 24-inch diameter corrugated metal storm sewer line on the eastern portion of the Site. The scope of work of the exploratory excavations included the following.

- Locate and remove the drain valve for the cast iron pipe located approximately 8 to 10 feet west of the 24-inch diameter storm sewer line.
- Locate and uncover a drain at the center of the former reservoir and locate the western end of the cast iron pipe in the vicinity of former Building 2.
- If present, recover and containerize accessible product from the cast iron pipe.
- Inspect the footprint of former Building 2 and Anomalies A through C, which were identified as part of the geophysical survey.

Seven exploratory excavation locations were marked in the field using the grid coordinate system from the geophysical survey. These excavation locations were designated TP-1 through TP-6, TP-9 and TP-10. Additional exploratory excavations were completed based on field observations and were designated TP-7, TP-8, TP-11, and TP-12. TP-1 was performed in the area of geophysical anomalies A, B and C, where shallow refusal was encountered following several attempts to install a soil probe (SP-22).

Exploratory excavation logs were prepared summarizing the general subsurface conditions that were observed at each location. These logs are based on visual observations of the soils and include a summary description of the soils using color and composition. Soils were field screened using a Organic Vapor Monitor (OVM) equipped with a photoionization detector (PID) and a 10.6 eV ultraviolet lamp. No volatile organics were detected with the OVM during excavation activities. The excavation logs including field screening results are included as Appendix C.

Excavated soils were returned to the excavation and compacted with the bucket of the excavator.

4.2 EXPLORATORY EXCAVATION FINDINGS

The following is a summary of field observations at each exploratory excavation.

TP-1 – Excavated to an approximate depth of 4 feet bgs where refusal was encountered due to the presence of the presumed foundation of former Building 2 and structural rebar. An approximate 4-inch diameter steel pipe was observed in the west wall of the excavation. Two additional pipes (both approximately 2-inches in diameter) were observed under the 4-inch diameter steel pipe in an approximate southeast-northwest orientation. These pipes were situated in a "void" that was filled with water. No sheen or apparent odor was noted in the water.

A soil sample for laboratory analysis was collected from TP-1 at a depth of 0 to 4 feet bgs. The sample was analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals and PCBs.

TP-2 – Excavated to an approximate depth of 3.5 feet bgs. The cast iron pipe was not visibly identified at this location due to perched water infiltrating into the excavation. The pipe was located by sounding methods using a measuring tape and the excavator bucket. Perched groundwater was measured at approximately 2 feet bgs. No sheen or apparent odor was noted in the water.

TP-3 – Excavated to an approximate depth of 4 feet bgs. The top of the 6-inch cast iron pipe was observed and measured at approximately 3.5 feet bgs. Perched groundwater was measured at approximately 2.1 feet bgs. No sheen or apparent odor was noted in the water.

TP-4 - Excavated to an approximate depth of 4 feet bgs. The top of the 6-inch diameter cast iron pipe was observed and measured at approximately 3.3 feet bgs. Perched groundwater was measured at approximately 2.2 feet bgs. No sheen or apparent odor was noted in the water.

TP-5 - Excavated to an approximate depth of 4 feet bgs. An obstruction was encountered in approximate alignment with the cast iron pipe observed at TP-3 and TP-4. However, the 10-inch diameter pump suction line depicted in the *Site Plan Domestic Water and Fire Service* was not visibly identified due to perched water infiltrating into the excavation. The top of the obstruction was measured at approximately 3.7 feet bgs. Perched groundwater was measured at approximately 2.4 feet bgs. No sheen or apparent odor was noted in the water.

TP-6 and TP-7 – Excavated to an approximate depth of 4.5 feet and 5.0 feet, respectively. The 10-inch diameter pipe was not observed at these locations. Perched water was not encountered in these two exploratory excavations

TP-8 - Excavated to an approximate depth of 4.2 feet bgs. The 10-inch diameter pipe was not encountered at this location. Perched groundwater was measured at approximately 2.2 feet bgs. A slight sheen was observed on the water surface. Total organic vapors were not detected with the OVM.

TP-9 - Excavated to an approximate depth of 6 feet bgs. The 10-inch diameter pipe was not encountered. A partial concrete foundation was observed in the southern portion of the excavation. Perched groundwater was measured at approximately 4 feet bgs and a slight sheen was observed on the water surface. No organic vapors were detected with the OVM.

TP-10 - Excavated to an approximate depth of 2.5 feet bgs where refusal was encountered due to the presence of a concrete slab and structural rebar from former Building 2. No sheen or apparent odor was noted in the water.

TP-11 – Excavated from the west end of TP-4 towards TP-8, in an east-west orientation. The 6-inch diameter pipe was uncovered to the west, where it terminated at a concrete catch basin. The catch basin is presumed to be the 500,000-gallon reservoir drain. Water was observed flowing from the 6-inch diameter pipe located to the east, into the catch basin. Perched groundwater was measured east of the catch basin at approximately 2.5 feet bgs.
A sample of the water was collected from the pipe for laboratory analysis. The sample was analyzed for TCL VOCs, TCL SVOCs, TAL metals and PCBs.

TP-12 – Excavated from the 24-inch diameter corrugated pipe westward to the intersection of TP-2. Two valves were observed during the excavation at approximately 2.5 feet bgs. The first valve was uncovered approximately 26 feet west of the eastern fence line and did not appear to be connected to the pipe. The second valve was exposed approximately 32 feet west of the eastern fence line.

Approximately 3 feet east of TP-2, petroleum product was observed within the fill material and on the groundwater surface. Perched water was measured at approximately 2.3 feet bgs. A sample of the impacted groundwater was collected at TP-12 for laboratory analysis. The sample was analyzed for TCL VOCs, TCL SVOCs, TAL metals and PCBs.

A drum vacuum was used to remove petroleum impacted water from TP-12. Five 55-gallon drums of water were filled and staged at the Site for waste characterization and disposal. Product nodules and a sheen were still observed on the groundwater surface after pumping.

4.3 EXPLORATORY EXCAVATION SAMPLE RESULTS

Several SVOCs were detected in the soil sample collected from TP-1 at concentrations exceeding the NYSDEC Unrestricted and Restricted Use Soil Cleanup Objectives. Additionally, chromium, iron and PCBs were detected in the soil sample at concentrations exceeding the Unrestricted Use Soil Cleanup Objectives. Laboratory results are summarized in Table 2 and the laboratory report is included in Volume III.

Toluene, naphthalene, 2,4-dimethylphenol, 4-methylphenol, benzo(a)anthracene, carbazole, phenol, PCBs and chromium were detected at concentrations exceeding the NYSDEC Class GA Objective in the water sample flowing from the 6-inch diameter pipe at TP-11. Water results are summarized in Table 3 and the laboratory report is included in Volume IV.

Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, PCBs and chromium were detected in the water sample at concentrations exceeding the NYSDEC Class GA Objective in the groundwater sample collected at TP-12. Laboratory results are summarized in Table 3 and the laboratory report is included in Volume IV.

4.4 WASTE CHARACTERIZATION AND DISPOSAL

A composite water sample was collected from the 55-gallon drums. The composite water sample was analyzed for TCL VOCs, TCL SVOCs, TAL metals and PCBs. A copy of the waste characterization laboratory results are included in Appendix D.

On February 28, 2011, the 55-gallon drums were transported to the Chemical Waste Management (CMW) facility in Model City, New York and disposed of as a non-hazardous waste. Waste disposal documentation is included as Appendix E.

5.0 SOIL PROBE SAMPLING

5.1 SOIL PROBE METHODOLOGY

Twenty-one soil probes, designated as SP-1 through SP-21, were completed on December 6 and 7, 2010 using a Geoprobe 54 OUD track-mounted rig equipped with a pneumatic hammer. The purpose of the soil probes was to evaluate potential environmental impacts related to the former USTs, vehicle refueling area and the 6-inch diameter fire protection water main. Soil probe locations are depicted in Figure 4.

The soil probes were advanced using direct-push methods via a 2-inch diameter macro-core sampler that was driven continuously at 48-inch intervals. A dedicated acetate sampler liner was used between sampling intervals. Material recovered in each acetate sample liner was screened for total organic vapors using an OVM equipped with a PID and a 10.6 eV ultraviolet lamp.

Following field screening, when sufficient sample recovery was obtained, representative portions of the recovered soils were placed in zip-lock bags for further classification and headspace analysis. The headspace in the bag above each collected soil sample was screened for total organic vapors. No total organic vapors were detected in the headspace screened soils, with the exception of the headspace sample result of 5.8 parts per millivolt measured at SP-2 from 6-8 feet bgs. Soils from the macro-core sleeves were returned to the boreholes.

Soil probe logs were prepared summarizing the general subsurface conditions that were observed and encountered at each probe location. These logs are based on visual observations of the recovered soils and include a summary description of the soils using color and composition. Soil probe logs including sample headspace results are included as Appendix F.

A soil sample for laboratory analysis was collected at each probe location and was analyzed for TCL VOCs, TCL SVOCs, TAL metals and PCBs. The soil sample collected at SP-2 was biased toward the depth interval with organic vapor headspace readings (6-8 feet bgs). Subsurface soil samples were collected from probes in the vicinity of the former USTs and surface soil samples were collected in the vicinity of the 6-inch diameter cast iron line.

5.2 SOIL PROBE ANALYTICAL RESULTS

Acetone was detected at a concentration exceeding the Unrestricted Use Soil Cleanup Objectives for the compound of 50 micrograms per kilogram (µg/kg) in five soil samples (SP-5-2-4, SP-6-2-4, SP-9-2-4, SP-17-4-8, and SP-19-0-4). No other VOCs were detected in the samples at concentrations exceeding the applicable Unrestricted or Restricted Use Soil Cleanup Objectives.

No SVOCs were detected at concentrations exceeding the Unrestricted or Restricted Use Soil Cleanup Objectives in the soil samples collected from the probes.

Barium, beryllium, chromium, iron, manganese, nickel and zinc were detected in the soil samples at concentrations exceeding the Unrestricted Use Soil Cleanup Objectives. Barium was detected in soil sample SP-17-4-8 at a concentration of 418 mg/kg, which exceeded the Residential and Commercial Restricted Use Soil Cleanup Objective of 400 mg/kg. Chromium was detected at concentrations exceeding the Residential Restricted Use Cleanup Objective of 180 mg/kg in soil samples SP-13-0-2, SP-14-2-4, SP-16-0-2, SP-18-0-4, SP-19-0-4 and SP-21-0-4. Manganese was detected in soil sample SP-7-4-8, SP-14-2-4, SP-15-0-4 and SP-18-0-4 at concentrations exceeding the Residential Restricted Use Soil Cleanup Objective.

PCBs were detected at concentrations exceeding the Unrestricted Soil Cleanup Objective in seven samples (SP-13-0-2, SP-14-2-4, SP-16-0-2 SP-18-0-4, SP-19-0-4, SP-20-0-4 and SP-21-0-4). PCBs were detected in soil sample SP-13-0-2, SP-16-0-2 SP-18-0-4, SP-19-0-4, and SP-21-0-4 at concentrations exceeding the Residential and Commercial Restricted Use Soil Cleanup Objective of 1,000 µg/kg.

A summary of sample analysis is included in Table 1. Soil analytical results are summarized in Table 2 and the laboratory reports are included in Volume II and III.

6.0 QUALITY CONTROL/QUALITY ASSURANCE

6.1 ANALYTICAL METHODS, PROCEDURES & CALIBRATION

Soil and groundwater samples were collected for laboratory analysis as part of the project. Laboratory analysis was performed by Test America Laboratories in Amherst, New York (NY Certification # NY455). Samples were analyzed for TCL VOCs, TCL SVOCs, TAL metals and PCBs in accordance with United States Environmental Protection Agency (USEPA) methods. USEPA methods used are summarized in Table 1.

Laboratory instruments and equipment were calibrated following SW-846 analytical method protocols. Initial calibrations and calibration checks were performed at a frequency specified in each analytical method.

Method blanks and instrument blanks were used by the laboratory to evaluate data quality. The purpose of the method blank is to assess contamination introduced during sample preparation. Method blanks are prepared and analyzed in the same manner as the field samples. Instrument blanks are analyzed with field samples to assess the presence or absence of instrument contamination. The frequency of instrument blanks is defined by the analytical method. The laboratory reports provided by Test America Laboratories are included in Volume II through Volume IV. The laboratory reports were prepared in accordance with the New York Analytical Services Protocol (Category B deliverable)

6.2 FIELD QUALITY CONTROL

Field quality control and quality assurance procedures outlined in the *Quality Assurance Project Plan/Sampling Plan* (PARS, November 2010) were implemented as part of the project. These procedures included field calibration of equipment, field decontamination of equipment and sample management.

An OVM was used to field screen soils for total organic vapors. The OVM was calibrated daily in accordance with manufacturer specifications using a gas standard of isobutylene at an equivalent concentration of 100 parts per million. Ambient air was used to establish background organic vapor concentrations.

Samples were collected in laboratory grade sample containers. The samples were immediately transferred to insulated coolers provided by the laboratory. A chain-of-custody form was used to trace the path of sample containers from the Site to the laboratory.

Two field duplicate soil samples were collected to assess the variability of a matrix at a specific sampling point and to assess the reproducibility of the sampling method. The field duplicate samples are separate aliquots of the same sample; prior to dividing the sample into "sample" and "duplicate" aliquots, the samples were homogenized (except for the VOC aliquots). Duplicate samples of SP-8-4-6 and SP-17-4-8 were collected in the field. The duplicate soil sample results are summarized in Table 2. Overall, detected compounds and concentrations were consistent for the sample and field duplicate sample.

The analytical test results for the soil samples were compared to NYSDEC, 6 NYCRR, Subpart 375-6, Unrestricted Soil Cleanup Objectives (December 14, 2006) and NYSDEC Final Commissioners Policy, CP-51, Supplemental Soil Cleanup Objectives (October 21, 2010).

The analytical test results for the water samples were compared to NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations dated October 1993; Revised June 1998; ERRATA Sheet dated January 1999 and Addendum dated April 2000 (Class GA Objective).

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 CONCLUSIONS

PARS was retained by the USACE, Louisville District to conduct a site inspection at the Niagara Falls AFRC located at 9400 Porter Road in Niagara Falls, New York. The Site was most recently used for industrial purposes and the expected future use is industrial or commercial.

The purpose of the site inspection was to evaluate potential impacts associated with the former USTs at Building 2 and former fire protection water main. Inspection activities consisted of a geophysical survey and exploratory excavations. Soil and water sampling was also performed as part of the inspection activities.

A geophysical survey was performed at the Site on November 22, 2010. Three anomalies (Anomalies A through C) were identified within the footprint of former Building 2. These anomalies were non-distinct features and were identified as debris from the former building. An anomaly, labeled Anomaly D, was identified immediately east of Building 21. This anomaly appears to be an underground water meter vault for the fire protection system. An approximate 150-foot long linear anomaly was identified in the general vicinity of the fire protection main that terminates at the 24-inch diameter corrugated storm sewer line. No anomalies consistent with USTs were identified as part of the geophysical survey.

On December 7 and 8, 12 exploratory excavations (TP-1 through TP-12) were completed at the Site based on the findings of the geophysical survey, previous investigations and field observations. TP-1 was installed at the location of Anomalies A through C and refusal was encountered at 4 feet bgs due to the presence of the presumed foundation of former Building 2, structural rebar and steel pipes. A soil sample for laboratory analysis was collected from TP-1. Several SVOCs were detected in the sample at concentrations exceeding the NYSDEC Unrestricted and Restricted Use Soil Cleanup Objectives. No other compounds were detected in the sample at concentrations above the Restricted Use Soil Cleanup Objectives. Chromium, iron and PCBs were detected at concentrations exceeding the Unrestricted Use Soil Cleanup Objectives.

The 6-inch diameter cast iron fire protection water main was encountered at TP-2, TP-3, TP-4, TP-11 and TP-12. The 10-inch pump suction line from the reservoir to the fire pump room at former Building 2 was not encountered. At TP-11, the 6-inch diameter pipe terminated at a concrete catch basin presumed to be the 500,000-gallon reservoir drain. A sample was collected from the water that was observed flowing from the 6-inch diameter line. Several compounds including toluene, naphthalene, PCBs and chromium were detected in the water sample at concentrations exceeding the NYSDEC Class GA Objectives.

Two valves were observed at TP-12. The first valve was uncovered approximately 26 feet west of the eastern fence line and did not appear to be connected to the cast iron pipe. The second valve was connected to the cast iron pipe. Petroleum product was observed within the fill material and on the groundwater surface at TP-12. A sample of the impacted groundwater was collected for laboratory analysis. Several compounds, including PCBs and chromium, were detected in the water sample at concentrations exceeding the NYSDEC Class GA Objectives. A drum vacuum was used to remove petroleum impacted water. Five 55-gallon drums of water were generated and the drums were transported as non-hazardous waste to the CMW facility in Model City, New York.

Twenty-one soil probes (SP-1 through SP-21) were completed on December 6 and 7, 2010. One soil sample was collected from each probe for laboratory analysis. Acetone was detected at a concentration exceeding the Unrestricted Use Soil Cleanup Objective in samples SP-5-2-4, SP-6-2-4, SP-9-2-4, SP-17-4-8, and SP-19-0-4. This compound was identified as a possible laboratory contaminant. No other VOCs or SVOCs were detected at concentrations exceeding the Unrestricted or Restricted Use Soil Cleanup Objective in the soil probe samples.

Several metals were detected at concentrations exceeding the Unrestricted Use Soil Cleanup Objectives. Barium was detected in soil sample SP-17-4-8 at a concentration that exceeds the Residential and Commercial Restricted Use Soil Cleanup Objectives. Manganese and chromium were detected in several soil samples at concentrations exceeding the Residential Restricted Use Soil Cleanup Objectives.

PCBs were detected in soil samples SP-13-0-2, SP-16-0-2, SP-18-0-4, SP-19-0-4 and SP-21-0-4 at concentrations exceeding the Residential and Commercial Restricted Use Soil Cleanup Objective. PCBs were detected at concentrations exceeding the Unrestricted Soil Cleanup Objective in seven of the soil probe samples (SP-13-0-2, SP-14-2-4, SP-16-0-2, SP-18-0-4, SP-19-0-4, SP-20-0-4 and SP-21-0-4).

7.2 RECOMMENDATIONS

The following recommendations are based upon the completed inspection activities and the results of the soil and water analytical data. NYSDEC requires that the remedial party achieve, where feasible, the Unrestricted Soil Cleanup Objectives for petroleum related contaminants listed in 6 NYCRR Table 375-6.8(a). The remedial party may propose Restricted Use Cleanup Objectives in accordance with any of the general approaches if cleanup to the Unrestricted Soil Cleanup Objectives is not feasible.

An investigation of the petroleum product and groundwater impacts identified at the Site is warranted. The purpose of the investigation is to evaluate potential source areas and to delineate soil and groundwater impacts.

The soil investigation will focus on vertical and horizontal delineation of PCB impacts found at SP-13-0-2, SP-14-2-4, SP-16-0-2, SP-18-0-4, SP-19-0-4, SP-20-0-4 and SP-21-0-4. Investigation activities will include the installation of 16 "primary" and 14 "secondary" soil probes. One surface and subsurface soil sample will be collected from each probe location. Samples from the "primary" soil probe locations will be submitted for PCB analysis. The samples from the "secondary" probe locations will be submitted to the laboratory and placed on hold pending the results of the "primary" soil sample results. Analysis of the "secondary" soil samples will be conducted if PCBs are detected in the "primary" soil samples at concentrations above the Unrestricted Soil Cleanup Objectives. The proposed locations of "primary" and "secondary" soil probes are shown in Figure 5.

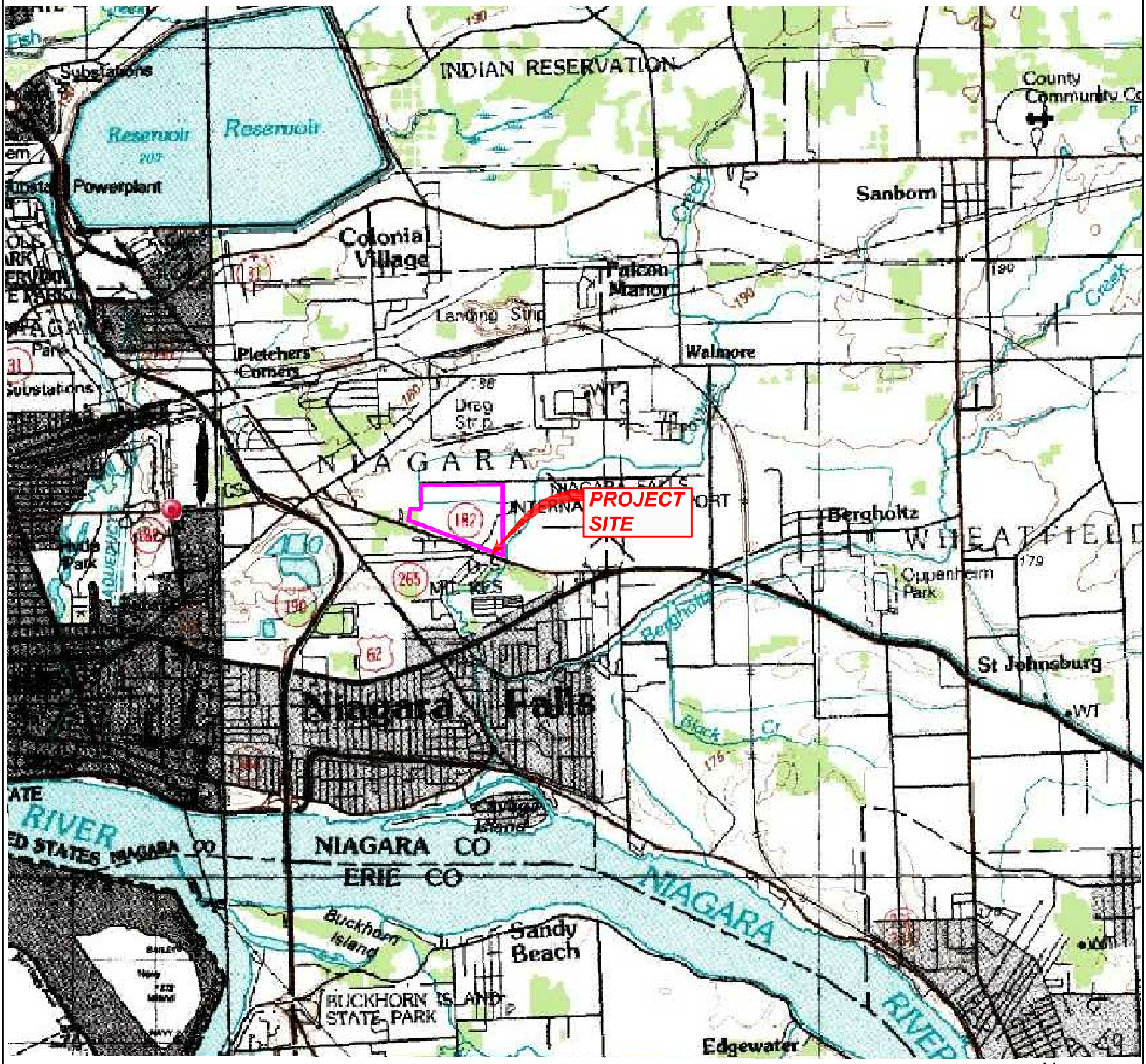
Elevated SVOCs detected in the soil sample collected from TP-1 are likely attributed to the debris and fill material related to former Building 2. SVOCs were not detected in any of the soil probe samples at concentrations exceeding the Unrestricted Use or Restricted Use Soil Cleanup Objectives. Acetone was detected in several soil samples at concentrations above the Unrestricted Use Soil Cleanup Objective. The detection of acetone in the samples is likely attributed to laboratory contamination. Based on this information, PARS recommends no further investigation of elevated SVOCs detected in the soil sample at TP-1 and acetone detected in several of the soil probe samples. Proposed soil probes will be field screened for VOCs using an OVM equipped with a PID. If elevated PID reading are observed or if there is visual or olfactory evidence of VOC impacts, soil samples will also be analyzed for TCL VOCs and SVOCs.

Several metals were detected at concentrations above the Unrestricted and Restricted Use Soil Cleanup Objectives. The metals detected in the samples are commonly found in fill material containing slag and asphalt, which was detected in the soil probes and is prevalent in the region. Based on this information and the distribution of metals in the soil samples collected as part of this project, no additional investigation of metals in soil is warranted.

The proposed groundwater investigation will include the installation of temporary micro-well points at 5 "primary" and 2 "secondary" soil probe locations. A groundwater sample will be collected from each temporary point and will be analyzed for TCL VOCs, SVOCs and PCBs. Proposed micro-well locations are depicted in Figure 5.

It is recommended that the petroleum product that was observed within the fill material and on the groundwater surface at TP-12 be removed as an interim remedial action (IRA). This IRA is recommended because of the close proximately of the petroleum product to the 24-inch corrugated metal storm sewer line along the eastern boundary of the Site. Additional remediation may be required based on the findings of the proposed investigation.

FIGURES

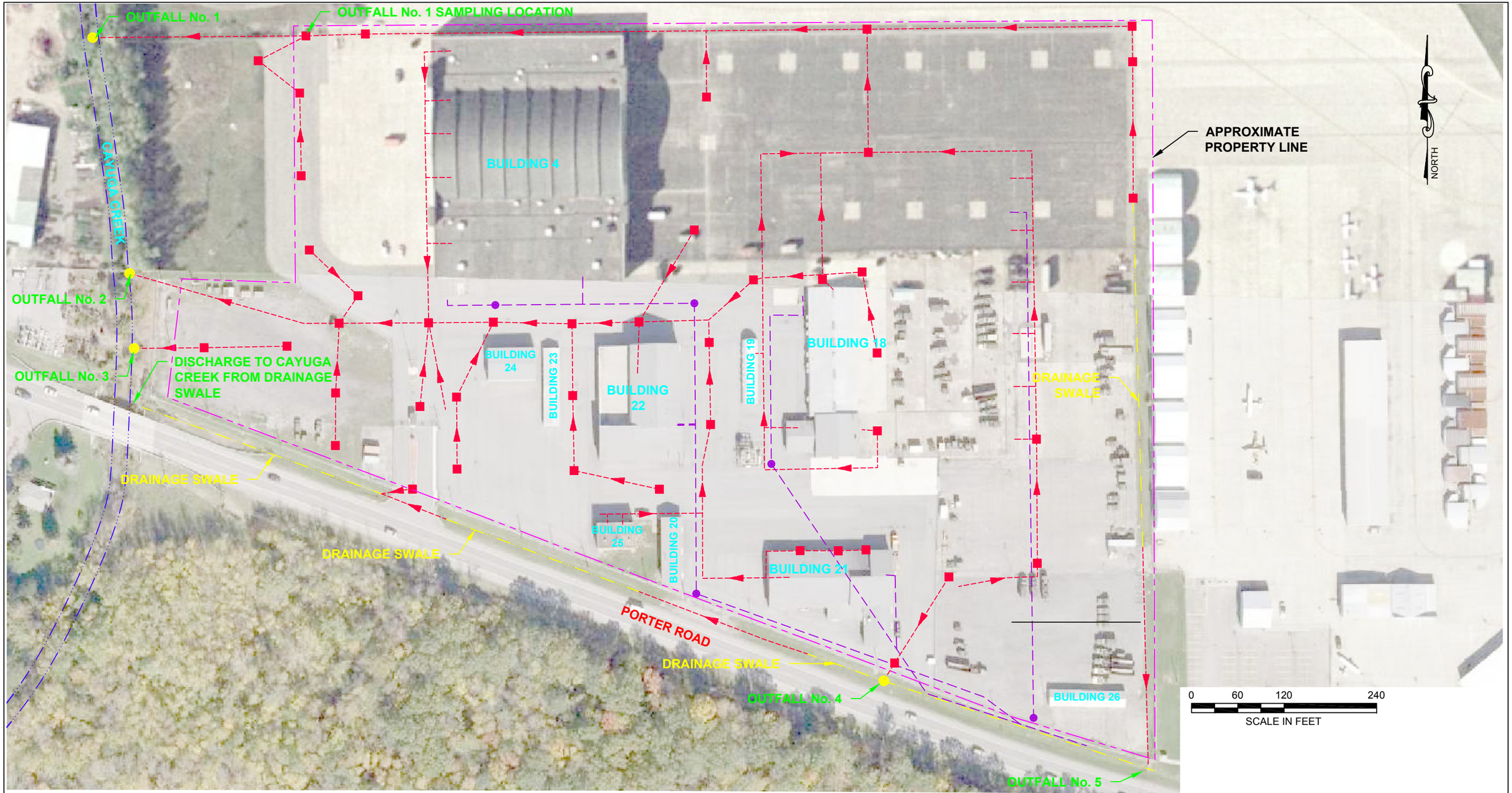


NOTE:
BASE MAP ADAPTED FROM U.S.G.S. TOPOGRAPHIC MAPS DOWNLOADED FROM TERRASERVER.MICROSOFT.COM

FIGURE 1
SITE LOCATION MAP
USAFRC
NIAGARA FALLS, NEW YORK

PARS ENVIRONMENTAL, INC.
ROBBINSVILLE, NEW JERSEY

DR. BY: KN	SCALE: 1" = 2,000'	JOB No.: 773-04
CK'D. BY: MM	DATE: 1/10/10	FILE NO.: 773-04
REV. NO. –	REV. DATE: –	FIGURE NO.:1



LEGEND:

- SANITARY SEWER LOCATION
- STORM SEWER LOCATION WITH FLOW DIRECTION

NOTES:

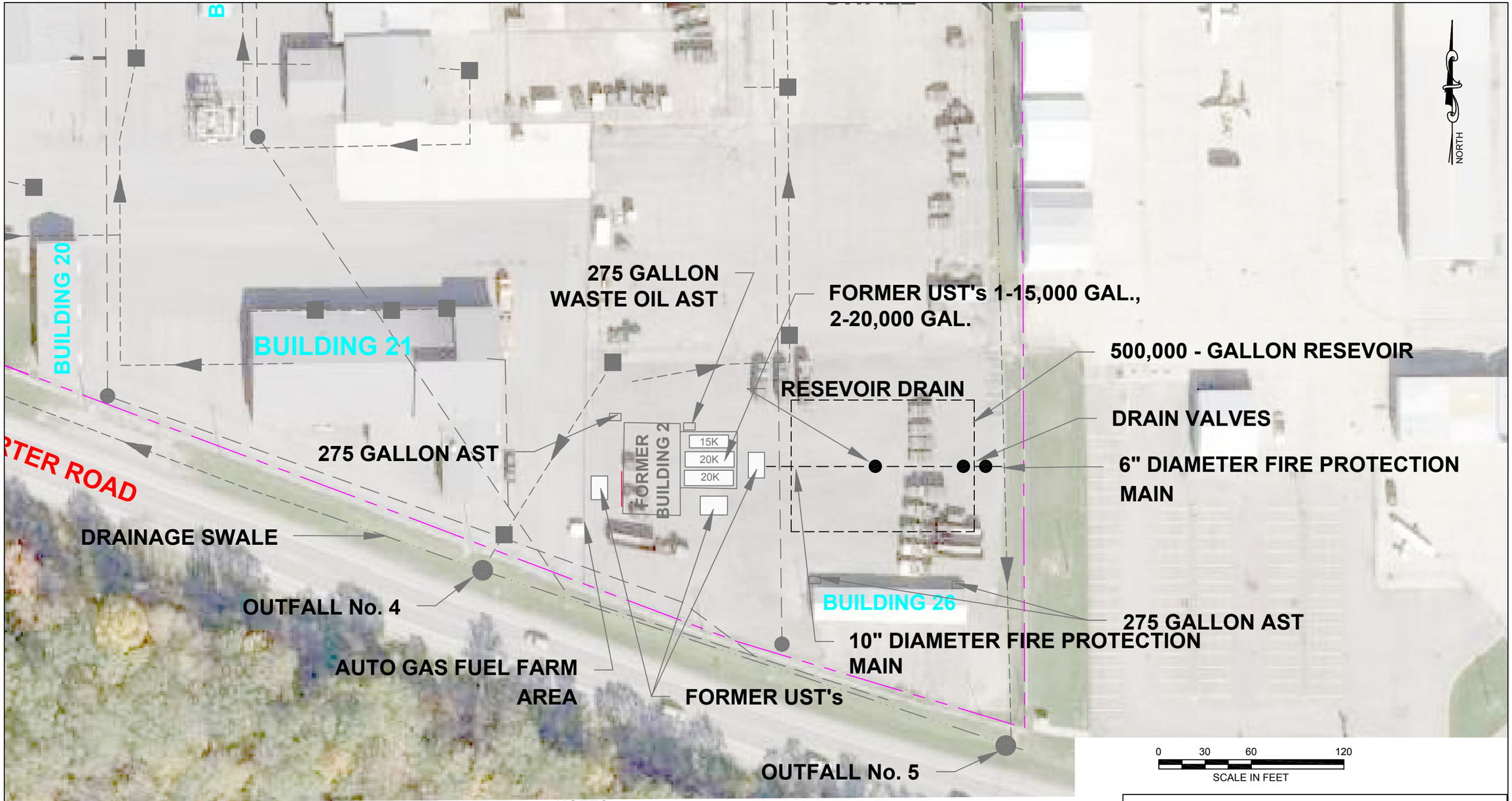
1. BASE MAP ADAPTED FROM A 2008 AERIAL PHOTO AND PROPERTY LINE DOWNLOADED FROM http://www.bing.com/maps/I AND FIELD OBSERVATIONS.

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

FIGURE 2
SITE PLAN
USAFRC
NIAGARA FALLS, NEW YORK

PARS ENVIRONMENTAL, INC.
ROBBINSVILLE, NEW JERSEY

DR. BY: KN	SCALE: 1" = 120'	JOB No.: 773-04
CK'D. BY: MM	DATE: 1/12/10	FILE NO.: 773-04
REV. NO. –	REV. DATE: 10/25/10	FIGURE NO.: 2



LEGEND:

SANITARY SEWER LOCATION

STORM SEWER LOCATION WITH FLOW DIRECTION

DRAINAGE OUTFALL LOCATION

NOTES:

1. BASE MAP ADAPTED FROM A 2008 AERIAL PHOTO AND PROPERTY LINE DOWNLOADED FROM http://www.bing.com/maps/I AND FIELD OBSERVATIONS.

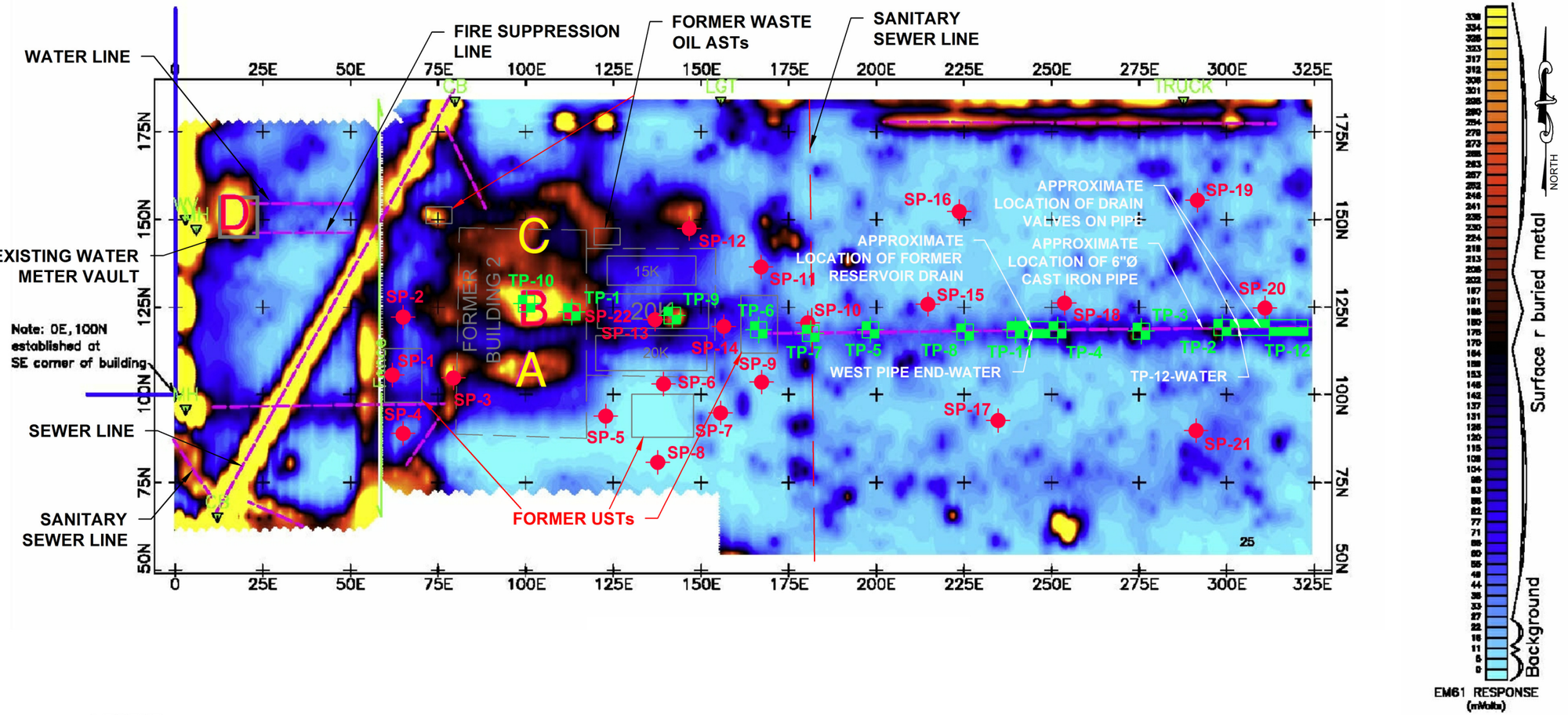
2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

3. LOCATION FOR FIRE PROTECTION MAIN AND DRAINS IS BASED ON THE GEOPHYSICAL SURVEY AND HISTORIC MAPS.

FIGURE 3
FORMER USTs AND FIRE PROTECTION LOCATION MAP
USAFRC
NIAGARA FALLS, NEW YORK

PARS ENVIRONMENTAL, INC.
ROBBINSVILLE, NEW JERSEY

DR. BY: KN	SCALE: 1" = 60'	JOB No.: 773-04
CK'D. BY: MM	DATE: 1/12/10	FILE NO.: 773-04
REV. NO. -	REV. DATE: 3/16/11	FIGURE NO.:3



LEGEND:

- SP-19 — APPROXIMATE LOCATION AND DESIGNATION OF SOIL PROBE COMPLETED ON DECEMBER 6 & 7, 2010 (21 LOCATIONS)
- TP-8 — APPROXIMATE LOCATION AND DESIGNATION OF EXPLORATORY EXCAVATION COMPLETED ON DECEMBER 7 & 8, 2010 (12 LOCATIONS)
- TP-1 / SP-22 — APPROXIMATE LOCATION AND DESIGNATION OF SOIL PROBE CONVERTED TO A EXPLORATORY EXCAVATION DUE TO SUBSURFACE REFUSAL FOLLOWING SEVERAL ATTEMPTS COMPLETED ON DECEMBER 7, 2010
- C — GEOPHYSICAL ANOMALY DISCUSSED IN REPORT
- INTERPRETED LINEAR ANOMALY

NOTES:

1. BASE MAP ADAPTED FROM GEOPHYSICAL SURVEY PERFORMED BY AMEC GEOMATRIX, INC. DATED NOVEMBER 30, 2010

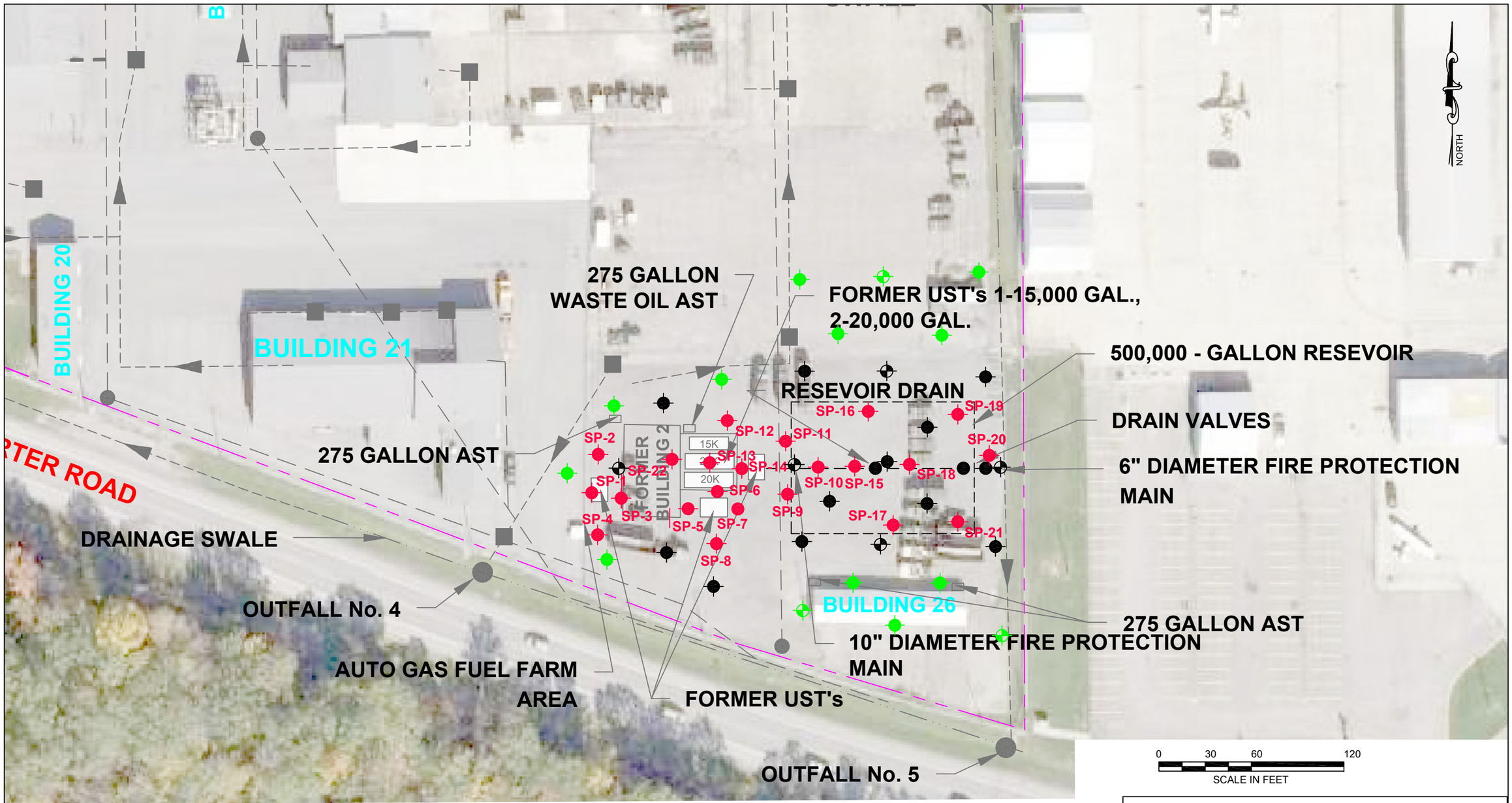
2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

0 15 30 60
SCALE

FIGURE 4
GEOPHYSICAL SURVEY/SAMPLE LOCATION MAP
9400 PORTER ROAD
NIAGARA FALLS, NEW YORK

PARS ENVIRONMENTAL, INC.
ROBBINSVILLE, NEW JERSEY

DR. BY: KN	SCALE: 1" = 30'	JOB No.: 773-04
CK'D. BY: MM	DATE: 1/17/11	FILE NO.: 773-04
REV. NO. –	REV. DATE: 3/16/11	FIGURE NO.: 4



0 30 60 120

SCALE IN FEET

LEGEND:

- SP-19 APPROXIMATE LOCATION OF SOIL PROBE COMPLETED ON DECEMBER 6 & 7 2010
- PROPOSED PRIMARY SOIL PROBE LOCATION
- PROPOSED PRIMARY SOIL PROBE AND MICRO-WELL LOCATION
- PROPOSED SECONDARY SOIL PROBE LOCATION
- SANITARY SEWER LOCATION
- STORM SEWER LOCATION WITH FLOW DIRECTION
- DRAINAGE OUTFALL LOCATION
- PROPOSED SECONDARY SOIL PROBE AND MICRO-WELL LOCATION

NOTES:

1. BASE MAP ADAPTED FROM A 2008 AERIAL PHOTO AND PROPERTY LINE DOWNLOADED FROM http://www.bing.com/maps/I AND FIELD OBSERVATIONS.

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

3. LOCATION FOR FIRE PROTECTION MAIN AND DRAINS IS BASED ON THE GEOPHYSICAL SURVEY AND HISTORIC MAPS.

FIGURE 5
PROPOSED SAMPLE LOCATIONS
USAFRC
NIAGARA FALLS, NEW YORK

PARS ENVIRONMENTAL, INC.
ROBBINSVILLE, NEW JERSEY

DR. BY: KN	SCALE: 1" = 60'	JOB No.: 773-04
CK'D. BY: MM	DATE: 1/12/10	FILE NO.: 773-04
REV. NO. –	REV. DATE: 3/21/11	FIGURE NO.:5

TABLES

Table 1
Analytical Sample Summary Table
Niagara Falls Armed Forces Reserve Center
Niagara Falls, New York

Sample Identification	Date Collected	VOCs EPA Method 8260-TCL	SVOCs EPA Method 8270 - TCL	TAL Metals EPA Method SW 846	PCBs EPA Method 8082
Soil Probe Samples					
SP-1-5-7	12/6/2010	X	X	X	X
SP-2-6-8	12/6/2010	X	X	X	X
SP-3-4-6	12/6/2010	X	X	X	X
SP-4-2-4	12/6/2010	X	X	X	X
SP-5-2-4	12/6/2010	X	X	X	X
SP-6-2-4	12/6/2010	X	X	X	X
SP-7-4-6	12/6/2010	X	X	X	X
SP-8-4-6	12/6/2010	X	X	X	X
SP-9-2-4	12/6/2010	X	X	X	X
SP-10-2-4	12/6/2010	X	X	X	X
SP-11-2-4	12/6/2010	X	X	X	X
SP-12-6-10	12/6/2010	X	X	X	X
SP-13-0-2	12/7/2010	X	X	X	X
SP-14-2-4	12/7/2010	X	X	X	X
SP-15-0-4	12/7/2010	X	X	X	X
SP-16-0-2	12/7/2010	X	X	X	X
SP-17-4-8	12/7/2010	X	X	X	X
SP-18-0-4	12/7/2010	X	X	X	X
SP-19-0-4	12/7/2010	X	X	X	X
SP-20-0-4	12/7/2010	X	X	X	X
SP-21-0-4	12/7/2010	X	X	X	X
TP-1-0-4*	12/7/2010	X	X	X	X
Water Samples					
West Pipe End - Water	12/8/2010	X	X	X	X
TP-12 - Water	12/8/2010	X	X	X	X

Notes:
1. NA = Not Applicable
2. SP-1-5-7 = (SP-1), Sample Type and Location, (5-7) Sample Depth below Ground Surface
   SP = Soil Probe. TP = Test Pit
3. VOCs = Volatile Organic Compounds
4. SVOCs = Semi-Volatile Organic Compounds
5. TCL = Target Compound List
6. TAL = Target Analyte List
7. PCBs = Polychlorinated Biphenyls
8. * TP-1-0-4 = SP-22 was converted to a test pit exploration due to subsurface refusal

Table 2
Soil Analytical Testing Results Summary
Niagara Falls Armed Forces Reserve Center
Niagara Falls, New York

Parameter	Unrestricted Use Soil Cleanup Objectives	Restricted Residential Soil Cleanup Objectives	Restricted Commercial Soil Cleanup Objectives	SP-1-5-7 12/06/2010 Result	SP-2-6-8 12/06/2010 Result	SP-3-4-6 12/06/2010 Result	SP-4-2-4 12/06/2010 Result	SP-5-2-4 12/06/2010 Result	SP-6-2-4 12/06/2010 Result	SP-7-4-6 12/06/2010 Result	SP-8-4-6 12/06/2010 Result	SP-8 (DUP-1) 12/06/2010 Result	SP-9-2-4 12/06/2010 Result	SP-10-2-4 12/06/2010 Result	SP-11-2-4 12/06/2010 Result	SP-12-6-10 12/06/2010 Result
Volatile Organic Compounds - EPA Method 8260 TCL (ug/kg)																
Acetone	50	**100,000**	*500,000*	7.1 J	ND	31 J	38	70	120	38	38	49	100	45	48	44
Methylene Chloride	50	**100,000**	*500,000*	25	12	32	29	35	31	31	30	20	27	24	38	25
Toluene	700	**100,000**	*500,000*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	**41,000**	*390,000*	ND	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.3 J
Xylenes, total	260	**100,000**	*500,000*	ND	23	3.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	15
Isopropylbenzene	2,300	**NV**	*NV*	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J
Methylcyclohexane	NV	**NV**	*NV*	ND	66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	**100,000**	*500,000*	ND	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	**52,000**	*190,000*	ND	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9 J
4-Isopropyltoluene	10,000 [11]	**NV**	*NV*	ND	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	**52,000**	*190,000*	1.4 J	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11
sec-Butylbenzene	11,000	**100,000**	*500,000*	ND	5.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	100,000	**NV**	*NV*	ND	ND	ND	ND	16 J	28 J	ND	ND	ND	27 J	8.9 J	ND	ND
n-Butylbenzene	12,000	**NV**	*NV*	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	**100,000**	*500,000*	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	230
Total VOCs	NV	**NV**	*NV*	33.5	392.8	66.2	67.0	121.0	179.0	69.0	68.0	69.0	154.0	69.0	86.0	335
Total VOC TICs	NV	**NV**	*NV*	41.1	2140	14	11	17	14	12	12	8.1	12	10	14	51
Semi-Volatile Organic Compounds - EPA Method 8270 (ug/kg)																
Naphthalene	12,000	**100,000**	*500,000*	ND	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	690
2-Methylnaphthalene	410 [11]	**NV**	*NV*	ND	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	**100,000**	*500,000*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	**100,000**	*500,000*	ND	25 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	30,000	**100,000**	*500,000*	17 J	39 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	**100,000**	*500,000*	48 J	170 J	ND	ND	ND	66 J	ND	ND	ND	ND	ND	25 J	33 J
Anthracene	100,000	**100,000**	*500,000*	ND	50 J	ND	ND	ND	22 J	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	**100,000**	*500,000*	51 J	210	ND	ND	ND	190 J	ND	ND	ND	ND	22 J	33 J	33 J
Pyrene	100,000	**100,000**	*500,000*	46 J	180 J	ND	ND	ND	130 J	ND	ND	ND	ND	14 J	24 J	23 J
Benzo(a)anthracene	1,000	**1,000**	*5,600*	20 J	91 J	ND	ND	ND	89 J	ND	ND	ND	ND	ND	16 J	18 J
Dibenzo(a,h)anthracene	330	**330**	*560*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	50000 [11]	**NV**	*NV*	ND	ND	ND	ND	ND	ND	ND	ND	ND	100 J	ND	ND	ND
Carbazole	NV	**NV**	*NV*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	**3,900**	*56,000*	27 J	94	ND	ND	ND	78 J	ND	ND	ND	ND	ND	ND	17 J
Benzo(b)fluoranthene	1,000	**1,000**	*5,600*	34 J	110 J	ND	ND	ND	120 J	ND	ND	ND	ND	13 J	14 J	ND
Benzo(k)fluoranthene	800	**3,900**	*56,000*	12 J	39 J	ND	ND	ND	37 J	ND	ND	ND	ND	ND	ND	ND
Biphenyl	NV	**NV**	*NV*	ND	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1,000	**1,000**	*1,000*	23 J	85 J	ND	ND	ND	85 J	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	500	**500**	*5,600*	19 J	38 J	ND	ND	ND	40 J	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	100,000	**100,000**	*500,000*	26 J	51 J	ND	ND	ND	50 J	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	NV	**NV**	*NV*	323	2,034	ND	ND	ND	908	ND	ND	ND	100	49	112	814
Total SVOC TICs	NV	**NV**	*NV*	1,550	19,150	ND	ND	3,000	7,350	ND	ND	ND	ND	220	1600	690
TAL Metals - EPA Method SW 846 (mg/kg)																
Aluminum	NV	**NV**	*NV*	2,290 B	2,460 B	17,600 B	21,200 B	27,600 B	21,000 B	20,500 B	17,400 B	15,300 B	23,500 B	9,870 B	13,600 B	21,110 B
Antimony	NV	**NV**	*NV*	ND	ND	ND	ND	ND	1.0 J	ND	ND	ND	ND	ND	ND	ND
Arsenic	13	**16**	*16*	2.0 J	4.8	6.4	2.8	7.1	5.7	7.6	5.7	3.7	3.4	1.9 J	2.1 J	4.8
Barium	350	**400**	*400*	11.6	14	105	151	171	130	179	41.2	89.4	106	71.9	84.2	152
Beryllium	7.2	**590**	*590*	0.115 J	0.105 J	0.950	1.39	1.95	1.14	1.12	0.903	0.771	1.15	0.456	0.583	1.27
Cadmium	2.5	**9.3**	*9.3*	0.186 J	0.169 J	0.221 J	0.109 J	0.156 J	0.251 J	0.185 J	0.182 J	0.151 J	0.153 J	0.157 J	0.169 J	0.146 J
Calcium	NV	**NV**	*NV*	95,000 B	78,300 B	16,800 B	2,020 B	2,090 B	5,850 B	10,700 B	49,300 B	44,100 B	1,570 B	3,040 B	4,300 B	18,900 B
Chromium	30	**180**	*1,500*	3.45	7.12	23.5	27.6	38	29.8	29.5	24.1	22.0	30.8	11.2	15	29.8
Cobalt	30 [11]	**NV**	*NV*	2.03	1.96	13.8	11.5	26.8	14.6	18.2	14.3	14.3	23.1	2.4	3.28	19.3
Copper	50	**270**	*270*	8.7	6.1	23.1	21.6	34.3	22.4	33	24.7	21.1	30.7	7.1	7.3	30.4
Iron	2000 [11]	**NV**	*NV*	5,690 B	5,360 B	26,800 B	31,900 B	44,600 B	37,900 B	35,300 B	29,300 B	25,100 B	31,600 B	8,600 B	16,100 B	34,500 B
Lead	63	**400**	*1,000*	8	6.3	13.4	15	14.9	17.8	14.4	9.7	8.0	7.5	11.7	8.5	16.6
Magnesium	NV	**NV**	*NV*	50,500	31,200	10,500	8,210	9,580	8,000	14,800	14,000	12,200	8,100	2,130	2,850	10,800
Manganese	1,600	**2,000**	*10,000*	298 B	222 B	291 B	186 B	476 B	266 B	**2,470 B**	475 B	587 B	432 B	84.0 B	162 B	782 B
Mercury	0.18	**0.81**	*2.8*	ND	ND	0.0132 J	0.0423	0.0451	0.0492	0.0341	ND	0.0100	0.0218 J	0.0685	0.0703	0.0394
Nickel	30	**310**	*310*	5.24 J	5.04 J	33.7	33.2	48.8	34.3	42.4	34.6	33.3	37.7	9.53	11.5	42.8
Potassium	NV	**NV**	*NV*	485	659	1,600	1,770	2,450	2,040	1,980	2,260	2,240	1,700	1,240	1,460	2,180
Selenium	3.9	**180**	*1,500*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NV	**NV**	*NV*	151 J	134 J	136 J	298	347	141 J	294	322	278	150 J	111 J	112 J	341
Vanadium	100 [11]	**NV**	*NV*	6.11	5.96	29.7	33.9	47.4	39.6	38.7	32.1	26.8	32.3	9.58	12.5	38.1
Zinc	109	**10,000**	*10,000*	44.6 B	30.6 B	62.3 B	72.0 B	100	84.5 B	69.5 B	61.7 B	56.6 B	74.0 B	30.1 B	35.9 B	72.1 B
Polychlorinated Biphenyls - EPA Method 8082 (ug/kg)																
Aroclor 1248	NV	**NV**	*NV*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51	ND
Aroclor 1254	NV	**NV**	*NV*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NV	**NV**	*NV*	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	25	ND
Total PCBs	100*	**1000***	*1,000**	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	76	ND

Table 2
Soil Analytical Testing Results Summary
Niagara Falls Armed Forces Reserve Center
Niagara Falls, New York

Parameter	Unrestricted Use Soil Cleanup Objectives	Restricted Residential Soil Cleanup Objectives	Restricted Commercial Soil Cleanup Objectives	SP-13-0-2 12/07/2010 Result	SP-14-2-4 12/07/2010 Result	SP-15-0-4 12/07/2010 Result	SP-16-0-2 12/07/2010 Result	SP-17-4-8 12/07/2010 Result	SP-17 (DUP-2) 12/07/2010 Result	SP-18-0-4 12/07/2010 Result	SP-19-0-4 12/07/2010 Result	SP-20-0-4 12/07/2010 Result	SP-21-0-4 12/07/2010 Result	TP-1-0-4* 12/07/2010 Result
Volatile Organic Compounds - EPA Method 8260 TCL (ug/kg)														
Acetone	50	**100,000**	*500,000*	10 J	19 J	19 J	ND	52	69	11 J	340	29	13	7.6 J
Methylene Chloride	50	**100,000**	*500,000*	5.9	5.2 J	6.6	4.6 J	5.9 J	4.1 J	7.8	5.4 J	4.1 J	4.7 J	4.6 J
Toluene	700	**100,000**	*500,000*	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J	ND	ND
Ethylbenzene	1,000	**41,000**	*390,000*	ND	ND	ND	ND	ND	ND	ND	1.9 J	2.6 J	ND	ND
Xylenes, total	260	**100,000**	*500,000*	ND	ND	ND	ND	ND	ND	ND	5.2 J	8.3 J	ND	ND
Isopropylbenzene	2,300	**NV**	*NV*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NV	**NV**	*NV*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	**100,000**	*500,000*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	**52,000**	*190,000*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	10,000 [11]	**NV**	*NV*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	**52,000**	*190,000*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	**100,000**	*500,000*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	100,000	**NV**	*NV*	ND	ND	ND	ND	ND	7.1	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	**NV**	*NV*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	**100,000**	*500,000*	ND	1.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	NV	**NV**	*NV*	15.9	25.5	25.6	4.6	57.9	84.3	18.8	352.5	45.6	13.0	12.2
Total VOC TICs	NV	**NV**	*NV*	10	8.9	9.8	8.6	12	8.4	9.5	8.1	7.1	7.3	6.5
Semi-Volatile Organic Compounds - EPA Method 8270 (ug/kg)														
Naphthalene	12,000	**100,000**	*500,000*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	410 [11]	**NV**	*NV*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	**100,000**	*500,000*	ND	32 J	ND	ND	ND	ND	ND	ND	ND	ND	3,000 J
Acenaphthene	20,000	**100,000**	*500,000*	ND	22 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	30,000	**100,000**	*500,000*	ND	47 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	**100,000**	*500,000*	ND	330	ND	ND	ND	ND	660 J	1,100 J	ND	ND	5,400 J
Anthracene	100,000	**100,000**	*500,000*	ND	92 J	ND	ND	ND	ND	160 J	200 J	ND	ND	1,900 J
Fluoranthene	100,000	**100,000**	*500,000*	1,300 J	510	ND	ND	27 J	25 J	800 J	1,600 J	ND	ND	16,000
Pyrene	100,000	**100,000**	*500,000*	1,200 J	480	14 J	ND	25 J	23 J	800 J	1,400 J	ND	ND	15,000
Benzo(a)anthracene	1,000	**1,000**	*5,600*	960 J	290	ND	ND	16 J	19 J	420 J	790 J	ND	ND	***10,000***
Dibenzo(a,h)anthracene	330	**330**	*560*	ND	38 J	ND	ND	ND	ND	ND	ND	ND	ND	***2,300 J***
Bis(2-ethylhexyl)phthalate	50000 [11]	**NV**	*NV*	6,600 JB	170 JB	150 JB	ND	160 JB	160 JB	1500 JB	1800 JB	1300 JB	7,500 JB	ND
Carbazole	NV	**NV**	*NV*	ND	24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	**3,900**	*56,000*	690 J	230	ND	ND	ND	ND	420 J	690 J	ND	ND	**9,700**
Benzo(b)fluoranthene	1,000	**1,000**	*5,600*	1,000 J	260	ND	ND	16 J	ND	450 J	740 J	ND	ND	***14,000***
Benzo(k)fluoranthene	800	**3,900**	*56,000*	ND	110 J	ND	ND	ND	ND	ND	ND	ND	ND	**6,500 J**
Biphenyl	NV	**NV**	*NV*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1,000	**1,000**	*1,000*	960 J	250	ND	ND	ND	15 J	390 J	680 J	ND	ND	***14,000***
Indeno(1,2,3-cd)pyrene	500	**500**	*5,600*	ND	110 J	ND	ND	ND	ND	210 J	320 J	ND	ND	***8,800 J***
Benzo(g,h,i)perylene	100,000	**100,000**	*500,000*	730 J	120 J	ND	ND	ND	ND	280 J	380 J	ND	ND	12,000
Total SVOCs	NV	**NV**	*NV*	13,440	3,075	164	ND	244	242	6,090	9,700	1,300	7,500	118,600
Total SVOC TICs	NV	**NV**	*NV*	ND	ND	580	9,400	ND	ND	ND	ND	ND	ND	7,600
TAL Metals - EPA Method SW 846 (mg/kg)														
Aluminum	NV	**NV**	*NV*	10,700	24,000	32,100	15,500	17,400	15,800	11,400	13,200	15,100	9,810	9,970
Antimony	NV	**NV**	*NV*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	13	**16**	*16*	6.0	6.5	2.4	6.1	6.3	2.7	8.1	6.8	5.0	6.1	4.1
Barium	350	**400**	*400*	98.6	194	249	107	***418***	168	104	133	90.3	81.3	153
Beryllium	7.2	**590**	*590*	1.38	4.71	8.21	1.96	0.926	0.800	1.38	0.81	1.27	0.637	1.23
Cadmium	2.5	**9.3**	*9.3*	0.48	0.353	0.061 J	0.216 J	0.152 J	0.114	0.554	0.25 J	0.168 J	0.791	0.800
Calcium	NV	**NV**	*NV*	168,000 B	203,000 B	268,000 B	225,000 B	50,700 B	49,500 B	173,000 B	157,000 B	44,000 B	138,000 B	116,000 B
Chromium	30	**180**	*1,500*	**682**	**379**	31.4	**1,040**	24.2	22.3	**797**	**969**	119	**720**	165
Cobalt	30 [11]	**NV**	*NV*	3.73	6.41	2.44	3.47	16.2	13.6	5.63	5.83	10.4	11.8	4.68
Copper	50	**270**	*270*	9.5	25.4	4.8	11	24.9	18.5	108	45.3	16	19.5	13
Iron	2000 [11]	**NV**	*NV*	6,750	24,700	4,360	4,140	31,000	23,800	22,200	10,900	16,200	20,900	11,200
Lead	63	**400**	*1,000*	27.3	18.3	3.6	11.2	9.5	8.5	42.4	17	7.8	31.5	39.4
Magnesium	NV	**NV**	*NV*	62,800 B	20,900 B	8,020 B	46,400 B	11,500 B	11,500 B	52,600 B	45,200 B	9,010 B	44,900 B	39,600 B
Manganese	1,600	**2,000**	*10,000*	1,090 B	**2,670 B**	**3,450 B**	1,130 B	722 B	576 B	**4,150 B**	1,230 B	845 B	679 B	771 B
Mercury	0.18	**0.81**	*2.8*	0.0205 J	0.0452	ND	ND	0.0109 J	ND	ND	0.0163 J	0.0146 J	0.0259	0.124
Nickel	30	**310**	*310*	13.8	20.7	1.66 J	19.8	35.8	32.0	41.7	29.9	25.1	32.6	12.8
Potassium	NV	**NV**	*NV*	874	1,650	2,440	635	2,420	2,790	722	885	1,710	716	1,210
Selenium	3.9	**180**	*1,500*	ND	1.4 J	2.1 J	ND	ND	ND	ND	ND	ND	ND	0.7 J
Sodium	NV	**NV**	*NV*	328 B	690 B	930 B	616 B	271 B	290 B	329 B	443 B	154 B	289 B	254 B
Vanadium	100 [11]	**NV**	*NV*	17.1	22.3	5.64	25.7	32.3	26.9	23.4	29.8	22.1	26.7	15.3
Zinc	109	**10,000**	*10,000*	79.2 B	36.8 B	0.6 B	30.5 B	55 B	51.5 B	124 B	40.5 B	43.9 B	170 B	124 B
Polychlorinated Biphenyls - EPA Method 8082 (ug/kg)														
Aroclor 1248	NV	**NV**	*NV*	ND	ND	ND	ND	ND	ND	ND	620	ND	ND	ND
Aroclor 1254	NV	**NV**	*NV*	1,700	230	9.8	1,400	21	15	1800	540	65	650	700
Aroclor 1260	NV	**NV**	*NV*	840	67	ND	1,600	ND	ND	760	190	40	410	210
Total PCBs	100*	**1000***	*1,000**	***2,540***	297	9.8	***3,000***	21	15	***2,560***	***1,350***	105	***1,060***	910

Table 2
Soil Analytical Testing Results Summary
Niagara Falls Armed Foreces Reserve Center
Niagara Falls, New York

Notes:

1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Test America Laboratories.
3. ug/kg = micrograms per kilogram; mg/kg = milligrams per kilogram
4. ND indicates compound was not detected above method detection limits.
5. NV = no value.
6. Shading indicates value exceeds Unrestricted Use Soil Cleanup Objectives.
7. **Bold** indicates value exceeds the Restricted Residential Soil Cleanup Objectives.
8. *Italics* indicates value exceeds the Restricted Commercial Soil Cleanup Objectives.
9. A duplicate sample (DUP-1) was collected at soil probe location SP-8. Values shown are the higher of the two analytical results.
10. *Soil cleanup objective is for the sum of the Aroclor compound concentrations detected (Total PCBs).
11. Soil cleanup objective used is from NYSDEC Final Commissioners Policy, CP-51, dated October 21, 2010.
12. J= Analyte detected at a level less than the Reporting Limit, but greater than or equal to the Method Detection Limit.
13. B= Analyte was detected in the associated Method Blank.

Table 3

Water Analytical Testing Results Summary
Niagara Falls Armed Forces Reserve Center
Niagara Falls, New York

Parameter	Class GA Criteria	West Pipe End Water	TP-12-Water
Volatile Organic Compounds - EPA Method 8260 TCL (ug/L)			
2-Butanone (MEK)	50	2.7	ND
Acetone	50	18	ND
cis-1,2-Dichloroethene	5	0.99	ND
Trichloroethene	5	4.1	ND
Vinyl Chloride	2	1.9	ND
Toluene	5	13	ND
Xylenes (total)	5 [6]	2.5	ND
Naphthalene	10	89	ND
Total VOCs	NV	132.19	ND
Total VOC TICs	NV	37.9	415
Semi-Volatile Organic Compounds - EPA Method 8270 (ug/L)			
2,4-Dimethylphenol	1	3.7	ND
2-Methylnaphthalene	NV	16	ND
4-Methylphenol	1	44	ND
Acenaphthene	20	9.8	ND
Anthracene	50	6.8	ND
Benzo [a] anthracene	0.002*	2	8.3
Benzo [a] pyrene	ND	ND	4.9
Benzo [b] fluoranthene	0.002*	ND	7.3
Carbazole	5	92	ND
Chrysene	0.002*	ND	9.4
Dibenzofuran	NV	17	ND
Fluoranthene	50	10	20
Fluorene	50	27	ND
Naphthalene	10 *	87	ND
Phenanthrene	50 *	49	ND
Phenol	1	330	ND
Total SVOCs	NV	694.3	49.9
Total SVOC TICs	NV	985	18,790
PCBs - EPA Method 8082 (ug/L)			
Aroclor 1254	NV	6.1	1.7
Aroclor 1260	NV	0.94	0.72
Total PCBs	0.09 [11]	7.04	2.42
Dissolved Metals - EPA Method SW 846 (mg/L)			
Aluminum	NV	0.529	0.621
Barium	1	0.0278	0.0173
Calcium	NV	62.8	74.7
Chromium	0.05	0.0706	0.215
Copper	0.2	ND	0.0025
Iron	0.3	0.031	ND
Magnesium	35*	0.154	ND
Manganese	0.3	0.0018	0.0004
Nickel	0.1	0.0067	0.0015
Potassium	NV	21	3.03
Sodium	20	12.3	2.7
Vanadium	NV	0.0044	0.0104
Zinc	2*	0.0137	0.0042

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Test America Laboratories.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), June 1998, dated October 1993, revised June 1998, January 1999 errata sheet and April 2000 addendum.
4. ug/L = micrograms per liter; mg/L = miligrams per liter
5. Shading indicates values exceeding NYSDEC Class GA groundwater criteria.
6. Class GA criteria shown is for total xylene concentration.
7. ND = compound was not detected.
8. * indicates a Guidance Value instead of a Standard Value.
9. NV = no value.
10. ND = non-detectable concentration by approved analytical methods.
11. Groundwater criteria is for the sum of the Aroclor compound concentrations detected (Total PCBs).

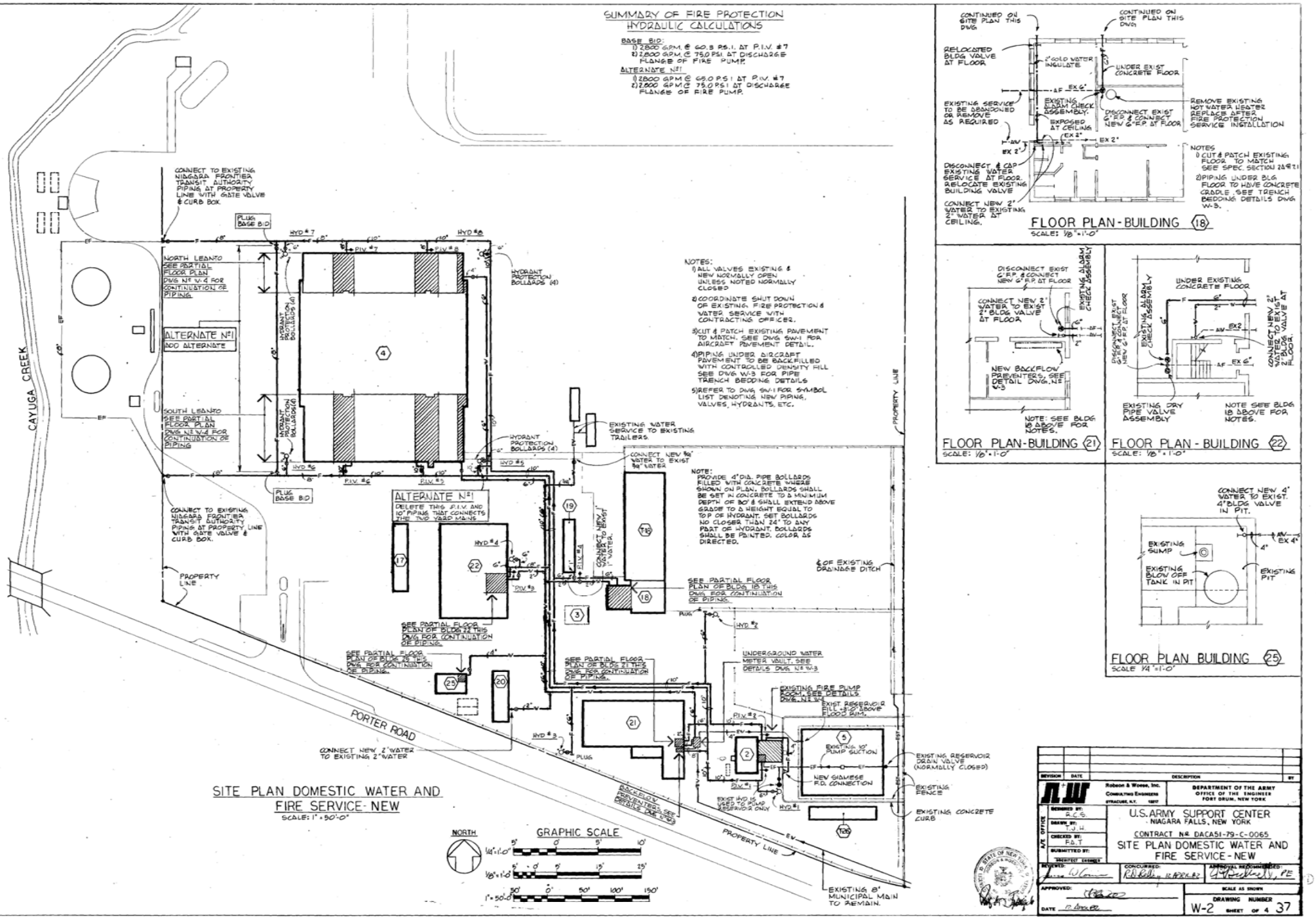
APPENDIX A

Site Plan Domestic Water and Fire Services

SUMMARY OF FIRE PROTECTION HYDRAULIC CALCULATIONS

BASE BID:
1) 2800 GPM @ 60.8 P.S.I. AT P.I.V. #7
2) 2800 GPM @ 75.0 PSI AT DISCHARGE FLANGE OF FIRE PUMP.

ALTERNATE Nº1
1) 2800 GPM @ 65.0 P.S.I AT P.I.V. #7
2) 2800 GPM @ 75.0 PSI AT DISCHARGE FLANGE OF FIRE PUMP.



SITE PLAN DOMESTIC WATER AND FIRE SERVICE - NEW
SCALE: 1" = 50'-0"

NORTH

GRAPHIC SCALE
1/4" = 1'-0" 5' 0 5' 10'
1/8" = 1'-0" 5' 0' 5' 15' 25'
1" = 50'-0" 50' 0' 50' 100' 150'

FLOOR PLAN - BUILDING (18)
SCALE: 1/8" = 1'-0"

FLOOR PLAN - BUILDING (21)
SCALE: 1/8" = 1'-0"

FLOOR PLAN - BUILDING (22)
SCALE: 1/8" = 1'-0"

FLOOR PLAN BUILDING (25)
SCALE 1/4" = 1'-0"

REVISION	DATE	DESCRIPTION	BY

Robson & Woese, Inc. Consulting Engineers, Syracuse, N.Y. 13207

DEPARTMENT OF THE ARMY
OFFICE OF THE ENGINEER
FORT DRUM, NEW YORK

DESIGNED BY: R.C.G.
DRAWN BY: T.H.
CHECKED BY: F.D.T
SUBMITTED BY:
A/E OFFICE
INSPECTOR ENGINEER

U.S. ARMY SUPPORT CENTER
NIAGARA FALLS, NEW YORK
CONTRACT Nº DACA51-79-C-0065
SITE PLAN DOMESTIC WATER AND FIRE SERVICE - NEW

REVIEWED: CONCURRED: APPROVAL RECOMMENDED:
APPROVED:
DATE
SCALE AS SHOWN
DRAWING NUMBER W-2 SHEET OF 4 37

INDEX OF STRUCTURES

1	
2	OLD BOILER HOUSE
3	ELECTRIC SUB-STATION
4	HANGER
5	RESERVOIR
6	PUMP HOUSE WATER
7	
8	WATER METER PIT
11	
12	P.E. STORAGE SHED
13	P.E. STORAGE SHED
18	TRANSP. & MOTOR POOL
T18	AMSA
19	SNACK BAR
20	FLAMMABLE STORAGE
21	POST ENGINEERS
22	SUPPLY BUILDING
24	SENTRY HOUSE

25	NEW BOILER HOUSE
26	FUEL OIL TANK
27	FUEL OIL TANK
29	JET FUEL PUMP HOUSE
30	JET FUEL LOADING STAND
31	JET FUEL UNLOADING STAND
32	JET FUEL SEPARATOR HOUSE
33	NORTH JET FUEL
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38	AV/GAS STORAGE TANK
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40	AV/GAS STORAGE TANK
41	AV/GAS STORAGE TANK
42	MUNITIONS STORAGE
44	MO/GAS PUMP
T23	QUARTERMASTER WHSE.
T26	POST ENGINEERS WHSE.

REMARKS

C

APPENDIX B

Geophysical Survey Report

90 B John Muir Drive
Amherst, New York 14228
(716) 565-0624 • Fax (716) 565-0625

November 30, 2010

Christopher Boron
Senior Project Manager
GZA GeoEnvironmental of New York
535 Washington Street
11th Floor
Buffalo, New York 14203

Transmitted via email to: Christopher Boron [christopher.boron@gza.com]

Dear Mr. Boron:

Subject: **Geophysical Survey Results**
Niagara Falls Army Reserve Base
Niagara Falls, NY

1.0 INTRODUCTION

This letter report presents the results of the geophysical investigation performed for GZA GeoEnvironmental of NY (GZA) in support of their environmental investigation of "Building 2 UST's" at the Niagara Falls Armed Forces Reserve Center located at 9400 Porter Avenue in Niagara Falls, NY (the Site). We understand that historical information compiled by others suggests the possibility that Underground Storage Tanks (UST's) may be present within the study area.

The geophysical investigation was designed to geophysically characterize the subsurface and focus a follow-up intrusive investigation. The information provided herein is intended to assist GZA with their assessment of potential environmental concerns at the Site. The objective for the geophysical survey was to explore for anomalies indicative of underground storage tanks (USTs). AMEC Geomatrix, Inc. performed data acquisition on November 22, 2010.

2.0 METHODOLOGY

A reference grid was installed at the site to facilitate data acquisition along lines spaced three feet apart. The grid was marked with orange and white spray paint with select coordinates labeled to allow subsequent work if necessary. Grid coordinate 0E,100N was established at the southeast corner of "Building 2". Grid North was taken as the direction parallel to the east wall of this building.

The site was geophysically surveyed using the Geonics EM61. The EM61 unit is a high sensitivity, high resolution time domain electromagnetic (TDEM) metal detector that can detect both ferrous and nonferrous metallic objects. It has an approximate investigation depth of 10 feet. The processing console is contained in a backpack worn by the operator which is interfaced to a digital data logger. The transmitter and two receiver coils are located on a two-wheeled cart that is pulled by the operator.

The device's transmitter coil generates a pulsed primary EM field at a rate of 150 pulses per second, inducing eddy currents into the subsurface. The decay rates of these eddy currents are measured by two, 3.28 foot by 1.64 foot (1 meter by ½ meter) rectangular receiver coils. By taking the measurements at a relatively long time frame after termination of the primary pulse, the response is practically independent of the survey area's terrain conductivity. Specifically, the decay rates of the eddy currents are much longer for metals than for normal soils allowing the discrimination of the two.



EM61 in use (photo not from this site)

Data are collected from the EM61's two receiver coils. One of the receiver coils is located coincident to the transmitter coil. The other receiver coil is located 1.31 feet (0.4 meters) above the transmitter coil. Data from the top receiver coil are stored on Channel 1 of a digital data logger. Data from the bottom receiver coil are stored on Channel 2 of the data logger. Channel 1 and Channel 2 data are simultaneously recorded at each station location. The instrument responses are recorded in units of milliVolts (mV). Data were recorded digitally by a data logger at a rate of approximately 2 measurements per foot along the survey lines which were spaced 3 feet apart.

3.0 RESULTS

The EM61 data for the site are shown in Figure 1. The color bar to the right of the map indicates the colors associated with the respective measured values. Areas suspected to be free of buried metals are shown as color shades of blue. All areas exhibiting a response greater than background (0 to 25 mVolts) likely contain buried metals. These areas are depicted in shades of dark blue through yellow on the figure.

Several linear anomalies are observed in the geophysical data and are denoted with dashed lines on Figure 1. A notable linear anomaly is the one associated with a 6 inch pipe that was previously found on the far eastern portion of the Site. A linear anomaly is observed to trend east-west from this pipe at least 150 feet. The amplitude of the geophysical response diminishes towards the west suggesting that the depth to the pipe increases in the western direction (Note however that ground elevation was not surveyed and the absolute elevation grade of the pipe may differ).

Numerous buried metal anomalies are observed in the geophysical data shown on Figure 1. Several large buried metal anomalies are observed in the western portion of the gravel area (east of the fence). While three anomalies are labeled **A**, **B** and **C** in this area it should be noted that these designations are not necessarily distinct: they may comprise one large anomaly extending approximately 75 feet east-west and north-south. This anomalous area may represent UST(s) and/or other buried metals.

An additional anomaly, labeled **D** on Figure 1 is observed in the asphalt lot immeditelt east of Building 2. Two subtle linear anomalies appear associated with Anomaly D. Anomaly D may represent a UST or other buried metals.

Any of the additional above background responses may be significant from an environmental perspective however they are more likely associated with miscellaneous buried metals.

4.0 LIMITATIONS

The geophysical methods used during this survey are established, indirect techniques for non-destructive subsurface reconnaissance exploration. As these instruments utilize indirect methods, they are subject to inherent limitations and ambiguities. Metallic surface features (reinforced concrete pads, electrical wires, scrap metal, etc.) preclude reliable non-invasive data/results beneath, and in the immediate vicinity of, the surface features. Targets such as buried drums, buried tanks, conduits, etc. are detectable only if they produce recognizable anomalies or patterns against the background geophysical data collected. As with any remote

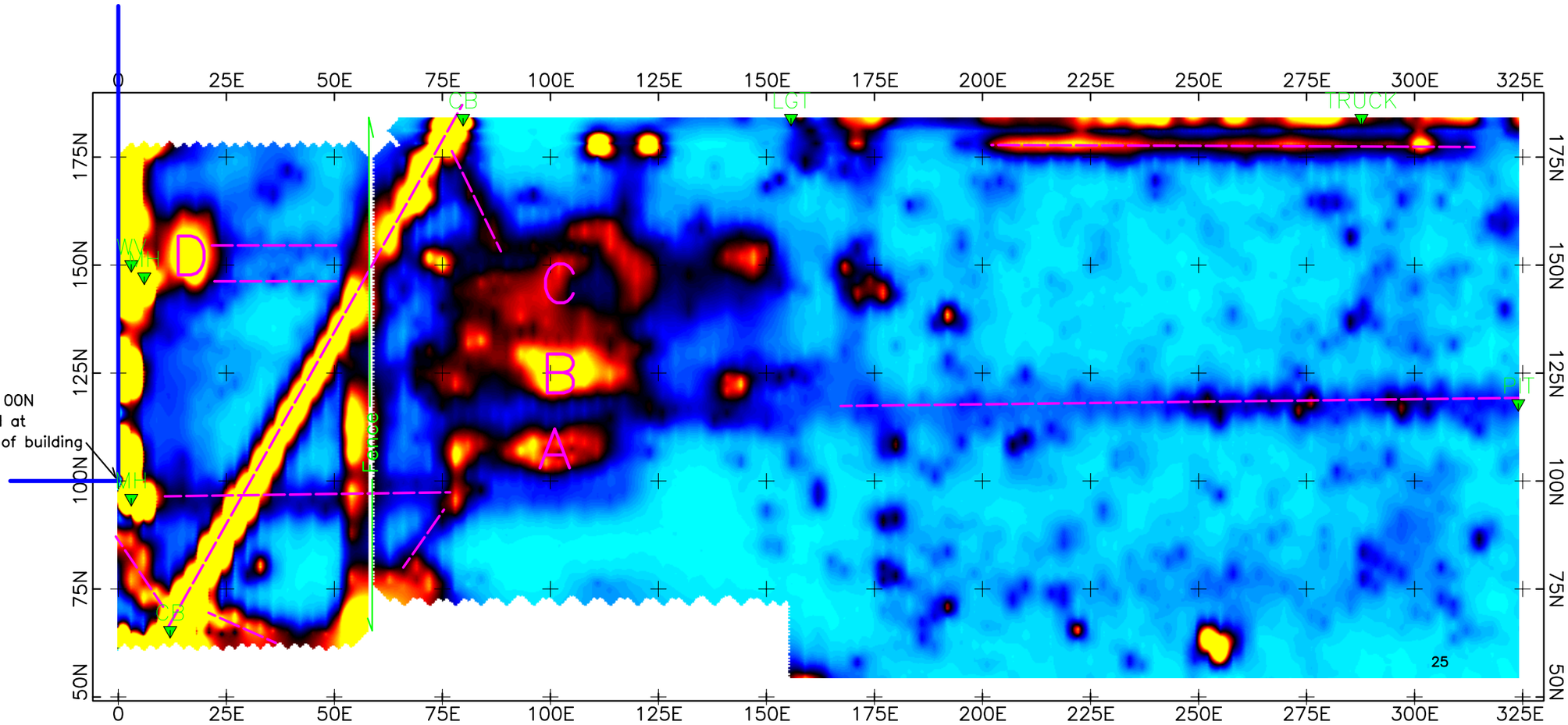
sensing technique, the anomalies identified during a geophysical survey should be further investigated by other techniques such as historical aerial photography, test pit excavation and/or test boring, if warranted.

Please do not hesitate to contact us if you have any questions or require additional information.

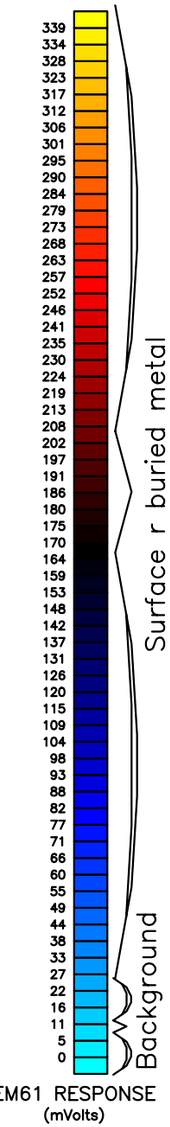
Sincerely yours,
AMEC GEOMATRIX, INC.



John Luttinger
Senior Geophysicist



Note: 0E, 100N established at SE corner of building



Porter Avenue

D Geophysical Anomaly discussed in report

Interpreted linear anomaly

Scale 1:360
0 25 50
(feet)

Grid North

Figure 1

Geophysical Survey Results
Color Contours of EM61 Data
(mVolts)

Niagara Falls Armed Forces Reserve Center
Building 2 UST's
Niagara Falls, NY
GZA

AMEC Geomatrix (716) 565-0624

APPENDIX C

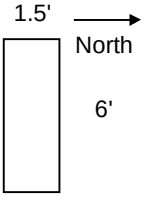
Exploratory Excavation Logs

EXPLORATORY EXCAVATION FIELD LOG

Project Description	Niagara Falls Armed Forces Reserve Center	Location No:	TP-1
Project location:	Niagara Falls, New York	Location:	See Site Plan
GZA Representativ	John Beninati	File No:	21.0056522.10
Contractor:	Matrix	Date:	12/7/2010
		Weather:	Cloudy/Light Snow, 29°
Operator:	Pat Bliek	Ground elev.:	
Make: Doosan	Model: DX 35Z		

DEPTH (feet)	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION	
0.5			(FILL) Brown, SAND & GRAVEL, some Silt, trace asphalt, trace crushed concrete, trace brick fragments, trace rebar.	
1				
1.5			Note: An approximate 4" diameter steel pipe was observed in the west wall of the excavation approximately 4 feet bgs. Two additional approximate 2" diameter pipes were observed under the 4" steel pipe in an approximate southeast/northwest orientation. These pipes were situated in a "void", which was filled with water. Water observed did not appear to have a sheen and had no apparent odor. Volatile organic vapors were not detected with the photo-ionization detector (PID).	
2				
2.5				
3				
3.5				
4			Rebar and presumed historic foundation observed in bottom of excavation.	
4.5			End of TP-1 at 4.0' bgs.	
5				
5.5				
6				
6.5				
7				
7.5				
8				
8.5				
9				
9.5				
10				

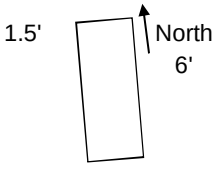




REMARKS: BGS = Below Ground Surface.

EXPLORATORY EXCAVATION FIELD LOG

Project Description	Niagara Falls Armed Forces Reserve Center	Location No:	TP-2
Project location:	Niagara Falls, New York	Location:	See Site Plan
GZA Representativ	John Beninati	File No:	21.0056522.10
Contractor:	Matrix	Date:	12/8/2010
		Weather:	Partly Sunny, 20°
Operator:	Pat Bliek	Ground elev.:	
Make: Doosan	Model: DX 35Z		

DEPTH (feet)	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION
0.5			(FILL) Brown, SAND & GRAVEL, some Silt, moist.
1			
1.5			
2			Crushed concrete and slag fill.
2.5			Grades to:..wet.
3			
3.5			Reddish brown, Silty CLAY, trace fine Sand, moist.
4			End of TP-2 at 3.5' bgs.
4.5			Note: Pipe was not visible due to perched groundwater quickly infiltrating the excavation. Pipe was located by sounding with the use of a measuring tape and the excavator bucket.
5			
5.5			
6			
6.5			
7			
7.5			
8			
8.5			
9			
9.5			
10			

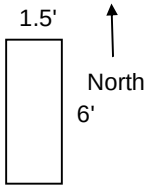
REMARKS: BGS = Below Ground Surface.

EXPLORATORY EXCAVATION FIELD LOG

Project Description	Niagara Falls Armed Forces Reserve Center	Location No:	TP-3
Project location:	Niagara Falls, New York	Location:	See Site Plan
GZA Representativ	John Beninati	File No:	21.0056522.10
Contractor:	Matrix	Date:	12/8/2010
		Weather:	Partly Sunny, 20°
Operator:	Pat Bliek	Ground elev.:	
Make: Doosan	Model: DX 35Z		

DEPTH (feet)	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION
0.5			(FILL) Brown, SAND & GRAVEL, some Silt, trace brick, trace crushed concrete, trace slag fragments.
1			
1.5			
2			
2.5			Grades to wet at 2.1' bgs. Reddish brown, Silty CLAY, trace fine Sand, moist. (at 2.2' bgs)
3			
3.5			Top of 6" pipe observed at approx. 3.5' bgs.
4			
4.5			End of TP-3 at 4' bgs.
5			
5.5			
6			
6.5			
7			
7.5			
8			
8.5			
9			
9.5			
10			





REMARKS: BGS = Below Ground Surface.

EXPLORATORY EXCAVATION FIELD LOG

Project Description	Niagara Falls Armed Forces Reserve Center	Location No:	TP-4
Project location:	Niagara Falls, New York	Location:	See Site Plan
GZA Representativ	John Beninati	File No:	21.0056522.10
Contractor:	Matrix	Date:	12/8/2010
		Weather:	Partly Sunny, 20°
Operator:	Pat Bliek	Ground elev.:	
Make: Doosan	Model: DX 35Z		

DEPTH (feet)	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION
0.5			(FILL) Brown, SAND & GRAVEL, some Silt, trace crushed concrete, trace wood fragments.
1			
1.5			
2			
2.5			Grades to wet at 2.2' bgs.
3			Reddish brown, Silty CLAY, trace fine Sand, moist.
3.5			Top of 6" pipe observed at approx. 3.3' bgs.
4			
4.5			End of TP-3 at 4' bgs.
5			
5.5			
6			
6.5			
7			
7.5			
8			
8.5			
9			
9.5			
10			



← North

4'

1.5'

REMARKS: BGS = Below Ground Surface.

EXPLORATORY EXCAVATION FIELD LOG

Project Description	Niagara Falls Armed Forces Reserve Center	Location No:	TP-5
Project location:	Niagara Falls, New York	Location:	See Site Plan
GZA Representativ	John Beninati	File No:	21.0056522.10
Contractor:	Matrix	Date:	12/8/2010
		Weather:	Partly Sunny, 20°
Operator:	Pat Bliek	Ground elev.:	
Make: Doosan	Model: DX 35Z		

DEPTH (feet)	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION
0.5			(FILL) Brown, SAND & GRAVEL, trace asphalt, trace concrete fragments, trace brick, trace slag fragments. Concrete slab observed in bottom of excavation.
1			
1.5			
2			
2.5			Grades to wet at 2.4' bgs.
3			
3.5			
4			
4.5			End of TP-3 at 4' bgs. Note: At approx. 2.2 bgs, a 6" clay tile pipe was observed running north/south through the test pit. Test pit was moved approx. 2' east to a depth of 4' bgs. An obstruction was encountered in-line with the confirmed pipe (TP-3 & TP4) but could not be visually confirmed due to rapid infiltration of perched groundwater.
5			
5.5			
6			
6.5			
7			
7.5			
8			
8.5			
9			
9.5			
10			



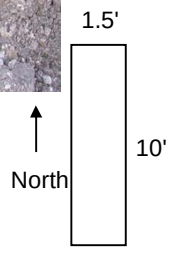
REMARKS: BGS = Below Ground Surface.

EXPLORATORY EXCAVATION FIELD LOG

Project Description	Niagara Falls Armed Forces Reserve Center	Location No:	TP-6
Project location:	Niagara Falls, New York	Location:	See Site Plan
GZA Representativ	John Beninati	File No:	21.0056522.10
Contractor:	Matrix	Date:	12/8/2010
		Weather:	Partly Sunny, 20°
Operator:	Pat Bliek	Ground elev.:	
Make: Doosan	Model: DX 35Z		

DEPTH (feet)	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION
0.5			(FILL) Brown, SAND & GRAVEL, trace asphalt, trace concrete, trace brick fragments.
1			
1.5			
2			Reddish brown, Silty CLAY, trace fine Sand, moist.
2.5			
3			
3.5			
4			
4.5			
5			End of TP-6 at 4.5'
5.5			
6			
6.5			
7			
7.5			
8			
8.5			
9			
9.5			
10			





REMARKS: BGS = Below Ground Surface.

EXPLORATORY EXCAVATION FIELD LOG

Project Description	Niagara Falls Armed Forces Reserve Center	Location No:	TP-7
Project location:	Niagara Falls, New York	Location:	See Site Plan
GZA Representativ	John Beninati	File No:	21.0056522.10
Contractor:	Matrix	Date:	12/8/2010
		Weather:	Partly Sunny, 20°
Operator:	Pat Bliek	Ground elev.:	
Make: Doosan	Model: DX 35Z		

DEPTH (feet)	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION
0.5			(FILL) Brown, SAND & GRAVEL, some Silt.
1			
1.5			
2			
2.5			Reddish brown, Silty CLAY, trace fine Sand, moist.
3			
3.5			
4			
4.5			
5			End of TP-7 at 5.0'
5.5			
6			
6.5			
7			
7.5			
8			
8.5			
9			
9.5			
10			



REMARKS: BGS = Below Ground Surface.

EXPLORATORY EXCAVATION FIELD LOG

Project Description	Niagara Falls Armed Forces Reserve Center	Location No:	TP-8
Project location:	Niagara Falls, New York	Location:	See Site Plan
GZA Representativ	John Beninati	File No:	21.0056522.10
Contractor:	Matrix	Date:	12/8/2010
		Weather:	Partly Sunny, 20°
Operator:	Pat Bliek	Ground elev.:	
Make: Doosan	Model: DX 35Z		

DEPTH (feet)	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION
0.5			(FILL) Brown, SAND & GRAVEL, trace Silt, trace asphalt, trace concrete fragments, trace brick fragments.
1			
1.5			
2			
2.5			Grades to:..wet at 2.3' bgs. Slight sheen observed (12/9/10)
3			
3.5			Reddish brown, Silty CLAY, trace fine Sand, moist.
4			
4.5			End of TP-8 at 4.2'
5			
5.5			
6			
6.5			
7			
7.5			
8			
8.5			
9			
9.5			
10			



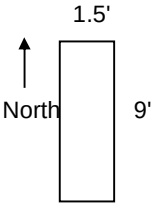
REMARKS: BGS = Below Ground Surface.

EXPLORATORY EXCAVATION FIELD LOG

Project Description	Niagara Falls Armed Forces Reserve Center	Location No:	TP-9
Project location:	Niagara Falls, New York	Location:	See Site Plan
GZA Representativ	John Beninati	File No:	21.0056522.10
Contractor:	Matrix	Date:	12/8/2010
		Weather:	Partly Sunny, 20°
Operator:	Pat Bliek	Ground elev.:	
Make: Doosan	Model: DX 35Z		

DEPTH (feet)	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION	
0.5			(FILL) Brown, SAND & GRAVEL, some Silt, trace rebar, trace wood, trace concrete fragments, trace brick fragments.	
1				
1.5				
2				
2.5			Recycled concrete fill.	
3				
3.5				
4				
4.5			Grades to:..wet. Slight sheen observed (12/9/10) Partial concrete foundation in southern portion of excavation observed.	
5				
5.5				
6				
6.5			End of TP-9 at 6.0' bgs.	
7				
7.5				
8				
8.5				
9				
9.5				
10				





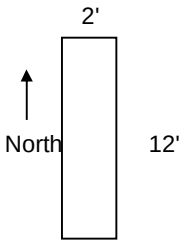
REMARKS: BGS = Below Ground Surface.

EXPLORATORY EXCAVATION FIELD LOG

Project Description	Niagara Falls Armed Forces Reserve Center	Location No:	TP-10
Project location:	Niagara Falls, New York	Location:	See Site Plan
GZA Representativ	John Beninati	File No:	21.0056522.10
Contractor:	Matrix	Date:	12/8/2010
		Weather:	Partly Sunny, 20°
Operator:	Pat Bliek	Ground elev.:	
Make: Doosan	Model: DX 35Z		

DEPTH (feet)	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION	
0.5			(FILL) Brown, SAND & GRAVEL, some Silt, trace asphalt, trace concrete fragments, trace brick fragments.	
1				
1.5				
2			Concrete slab with rebar approx. 1.5' bgs.	
2.5				
3			End of TP-10 at 2.5' bgs.	
3.5				
4				
4.5				
5				
5.5				
6				
6.5				
7				
7.5				
8				
8.5				
9				
9.5				
10				





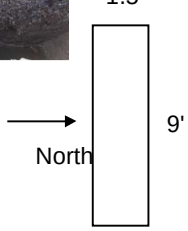
REMARKS: BGS = Below Ground Surface.

EXPLORATORY EXCAVATION FIELD LOG

Project Description	Niagara Falls Armed Forces Reserve Center	Location No:	TP-11
Project location:	Niagara Falls, New York	Location:	See Site Plan
GZA Representativ	John Beninati	File No:	21.0056522.10
Contractor:	Matrix	Date:	12/8/2010
		Weather:	Partly Sunny, 20°
Operator:	Pat Bliek	Ground elev.:	
Make: Doosan	Model: DX 35Z		

DEPTH (feet)	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION
0.5			(FILL) Brown, SAND & GRAVEL, some Silt, trace rebar, trace brick fragments. Concrete slab observed in bottom of excavation.
1			
1.5			
2			
2.5			
3			
3.5			Reddish brown, Silty CLAY, trace fine Sand, moist.
4			
4.5			End of TP-11 at 3.5 to 4.0' bgs. Note: TP-11 was excavated between TP-4 and TP-8 in an east/west orientation. Pipe identified in TP-4 was excavated to the west until it entered a catch basin. Water was observed flowing from the pipe.
5			
5.5			
6			
6.5			
7			
7.5			
8			
8.5			
9			
9.5			
10			





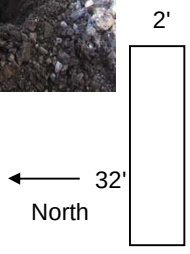
REMARKS: BGS = Below Ground Surface.

EXPLORATORY EXCAVATION FIELD LOG

Project Description	Niagara Falls Armed Forces Reserve Center	Location No:	TP-12
Project location:	Niagara Falls, New York	Location:	See Site Plan
GZA Representativ	John Beninati	File No:	21.0056522.10
Contractor:	Matrix	Date:	12/8/2010
		Weather:	Partly Sunny, 20°
Operator:	Pat Bliek	Ground elev.:	
Make: Doosan	Model: DX 35Z		

DEPTH (feet)	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION	
0.5			(FILL) Brown, SAND & GRAVEL, some Silt.	
1				
1.5				
2				
2.5			Top of 6" pipe observed at approx. 2.5' bgs.	
3			Reddish brown, Silty CLAY, moist.	
3.5			End of TP-12 at 3' bgs. Note: The 6" pipe was excavated from the eastern outfall location westward toward TP-2 (approx. 32' long excavation). Two valves were observed during excavation at approximately 2.5' bgs. The first valve was excavated approx. 6' east of the eastern fence. The second valve was exposed approx. 32' west of the eastern fence. Upon excavation, approx. 3' east of TP-2, petroleum product was observed flowing from the fill material above the perched water table measured at 2.2-2.3' bgs.	
4				
4.5				
5				
5.5				
6				
6.5				
7				
7.5				
8				
8.5				
9				
9.5				
10				





REMARKS: BGS = Below Ground Surface.

APPENDIX D

Waste Classification Analytical Results

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0706

Project: NF Armed Forces Reserve Center WATERS
Project Number: [none]

Received: 12/08/10
Reported: 12/23/10 09:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0706-02 (TP-12 - Water)						**Sampled: 12/08/10 15:00**			**Recvd: 12/08/10 17:25**	
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	D02	4.0	3.3	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,1,2,2-Tetrachloroethane	ND	D02	4.0	0.85	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,1,2-Trichloroethane	ND	D02	4.0	0.92	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,1,2-Trichlorotrifluoroethane	ND	D02	4.0	1.2	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,1-Dichloroethane	ND	D02	4.0	1.5	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,1-Dichloroethene	ND	D02	4.0	1.2	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,2,4-Trichlorobenzene	ND	D02	4.0	1.6	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,2,4-Trimethylbenzene	ND	D02	4.0	3.0	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,2-Dibromo-3-chloropropane	ND	D02	4.0	1.6	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,2-Dibromoethane (EDB)	ND	D02	4.0	2.9	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,2-Dichlorobenzene	ND	D02	4.0	3.2	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,2-Dichloroethane	ND	D02	4.0	0.86	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,2-Dichloropropane	ND	D02	4.0	2.9	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,3,5-Trimethylbenzene	ND	D02	4.0	3.1	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,3-Dichlorobenzene	ND	D02	4.0	3.1	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,4-Dichlorobenzene	ND	D02	4.0	3.4	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
2-Butanone (MEK)	ND	D02	40	5.3	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
2-Hexanone	ND	D02	20	5.0	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
4-Isopropyltoluene	ND	D02	4.0	1.2	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
4-Methyl-2-pentanone (MIBK)	ND	D02	20	8.4	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Acetone	ND	D02	40	12	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Benzene	ND	D02	4.0	1.6	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Bromodichloromethane	ND	D02	4.0	1.5	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Bromoform	ND	D02	4.0	1.0	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Bromomethane	ND	D02	4.0	2.8	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Carbon disulfide	ND	D02	4.0	0.78	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Carbon Tetrachloride	ND	D02	4.0	1.1	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Chlorobenzene	ND	D02	4.0	3.0	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Chlorodibromomethane	ND	D02	4.0	1.3	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Chloroethane	ND	D02	4.0	1.3	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Chloroform	ND	D02	4.0	1.3	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Chloromethane	ND	D02	4.0	1.4	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
cis-1,2-Dichloroethene	ND	D02	4.0	3.2	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
cis-1,3-Dichloropropene	ND	D02	4.0	1.4	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Cyclohexane	ND	D02	4.0	0.72	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Dichlorodifluoromethane	ND	D02	4.0	2.7	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Ethylbenzene	ND	D02	4.0	3.0	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Isopropylbenzene	ND	D02	4.0	3.2	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Methyl Acetate	ND	D02	4.0	2.0	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Methyl tert-Butyl Ether	ND	D02	4.0	0.64	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Methylcyclohexane	ND	D02	4.0	0.64	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Methylene Chloride	ND	D02	4.0	1.8	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Naphthalene	ND	D02	4.0	1.7	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
n-Butylbenzene	ND	D02	4.0	2.6	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
n-Propylbenzene	ND	D02	4.0	2.8	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
sec-Butylbenzene	ND	D02	4.0	3.0	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0706

Project: NF Armed Forces Reserve Center WATERS
Project Number: [none]

Received: 12/08/10
Reported: 12/23/10 09:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0706-02 (TP-12 - Water) - cont.						**Sampled: 12/08/10 15:00**		**Recvd: 12/08/10 17:25**		
Volatile Organic Compounds by EPA 8260B - cont.										
Styrene	ND	D02	4.0	2.9	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
tert-Butylbenzene	ND	D02	4.0	3.2	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Tetrachloroethene	ND	D02	4.0	1.5	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Toluene	ND	D02	4.0	2.0	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
trans-1,2-Dichloroethene	ND	D02	4.0	3.6	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
trans-1,3-Dichloropropene	ND	D02	4.0	1.5	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Trichloroethene	ND	D02	4.0	1.8	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Trichlorofluoromethane	ND	D02	4.0	3.5	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Vinyl chloride	ND	D02	4.0	3.6	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Xylenes, total	ND	D02	8.0	2.6	ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
1,2-Dichloroethane-d4	*114 %*	*D02*	*Surr Limits: (66-137%)*				*12/10/10 15:42*	*DHC*	*10L0846*	*8260B*
4-Bromofluorobenzene	*104 %*	*D02*	*Surr Limits: (73-120%)*				*12/10/10 15:42*	*DHC*	*10L0846*	*8260B*
Toluene-d8	*119 %*	*D02*	*Surr Limits: (71-126%)*				*12/10/10 15:42*	*DHC*	*10L0846*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Naphthalene, decahydro-2,6-dimethyl-(001618-22-0)	**36**	D02	Ret Time: 10.398		ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
tetradecane (629-59-4)	**48**	D02	Ret Time: 11.779		ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Tridecane, 7-methyl-(026730-14-3)	**110**	D02	Ret Time: 10.836		ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Undecane, 2,6-dimethyl-(017301-23-4)	**24**	D02	Ret Time: 10.343		ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Unknown01 (none)	**22**	D02	Ret Time: 10.629		ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Unknown02 (none)	**24**	D02	Ret Time: 10.702		ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Unknown03 (none)	**34**	D02	Ret Time: 10.915		ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Unknown04 (none)	**21**	D02	Ret Time: 11.444		ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Unknown05 (none)	**66**	D02	Ret Time: 11.627		ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Unknown06 (none)	**30**	D02	Ret Time: 11.876		ug/L	4.00	12/10/10 15:42	DHC	10L0846	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	48	4.6	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2,4,6-Trichlorophenol	ND	D02	48	5.9	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2,4-Dichlorophenol	ND	D02	48	4.9	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2,4-Dimethylphenol	ND	D02	48	4.8	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2,4-Dinitrophenol	ND	D02	96	21	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2,4-Dinitrotoluene	ND	D02	48	4.3	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2,6-Dinitrotoluene	ND	D02	48	3.8	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2-Chloronaphthalene	ND	D02	48	4.4	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2-Chlorophenol	ND	D02	48	5.1	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2-Methylnaphthalene	ND	D02	48	5.8	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2-Methylphenol	ND	D02	48	3.8	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2-Nitroaniline	ND	D02	96	4.0	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2-Nitrophenol	ND	D02	48	4.6	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
3,3'-Dichlorobenzidine	ND	D02	48	3.8	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
3-Nitroaniline	ND	D02	96	4.6	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
4,6-Dinitro-2-methylphenol	ND	D02	96	21	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0706

Project: NF Armed Forces Reserve Center WATERS
Project Number: [none]

Received: 12/08/10
Reported: 12/23/10 09:02

Analytical Report

Sample ID: RTL0706-02 (TP-12 - Water) - cont. **Sampled: 12/08/10 15:00** **Recvd: 12/08/10 17:25**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Bromophenyl phenyl ether	ND	D02	48	4.3	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
4-Chloro-3-methylphenol	ND	D02	48	4.3	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
4-Chloroaniline	ND	D02	48	5.7	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
4-Chlorophenyl phenyl ether	ND	D02	48	3.4	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
4-Methylphenol	ND	D02	96	3.5	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
4-Nitroaniline	ND	D02	96	2.4	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
4-Nitrophenol	ND	D02	96	15	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Acenaphthene	ND	D02	48	3.9	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Acenaphthylene	ND	D02	48	3.7	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Acetophenone	ND	D02	48	5.2	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Anthracene	ND	D02	48	2.7	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Atrazine	ND	D02	48	4.4	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Benzaldehyde	ND	D02	48	2.6	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Benzo(a)anthracene	**8.3**	D02,J	48	3.5	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Benzo(a)pyrene	**4.9**	D02,J	48	4.5	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Benzo(b)fluoranthene	**7.3**	D02,J	48	3.3	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Benzo(ghi)perylene	ND	D02	48	3.4	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Benzo(k)fluoranthene	ND	D02	48	7.0	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Biphenyl	ND	D02	48	6.3	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Bis(2-chloroethoxy)methane	ND	D02	48	3.4	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Bis(2-chloroethyl)ether	ND	D02	48	3.8	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	48	5.0	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Bis(2-ethylhexyl) phthalate	ND	D02	48	17	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Butyl benzyl phthalate	ND	D02	48	4.0	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Caprolactam	ND	D02	48	21	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Carbazole	ND	D02	48	2.9	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Chrysene	**9.4**	D02,J	48	3.2	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Dibenzo(a,h)anthracene	ND	D02	48	4.0	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Dibenzofuran	ND	D02	96	4.9	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Diethyl phthalate	ND	D02	48	2.1	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Dimethyl phthalate	ND	D02	48	3.5	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Di-n-butyl phthalate	ND	D02	48	3.0	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Di-n-octyl phthalate	ND	D02	48	4.5	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Fluoranthene	**20**	D02,J	48	3.8	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Fluorene	ND	D02	48	3.5	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Hexachlorobenzene	ND	D02	48	4.9	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Hexachlorobutadiene	ND	D02	48	6.5	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Hexachlorocyclopentadiene	ND	D02	48	5.7	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Hexachloroethane	ND	D02	48	5.7	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Indeno(1,2,3-cd)pyrene	ND	D02	48	4.5	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Isophorone	ND	D02	48	4.1	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Naphthalene	ND	D02	48	7.3	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Nitrobenzene	ND	D02	48	2.8	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C

PARS Environmental, Inc.
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Work Order: RTL0706

Project: NF Armed Forces Reserve Center WATERS
Project Number: [none]

Received: 12/08/10
Reported: 12/23/10 09:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0706-02 (TP-12 - Water) - cont.						**Sampled: 12/08/10 15:00**		**Recvd: 12/08/10 17:25**		
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodi-n-propylamine	ND	D02	48	5.2	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
N-Nitrosodiphenylamine	ND	D02	48	4.9	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Pentachlorophenol	ND	D02	96	21	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Phenanthrene	ND	D02	48	4.2	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Phenol	ND	D02	48	3.8	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Pyridine	ND	D02	240	3.9	ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
2,4,6-Tribromophenol	*123 %*	*D02*	*Surr Limits: (52-132%)*				*12/13/10 14:19*	*MKP*	*10L0912*	*8270C*
2-Fluorobiphenyl	*105 %*	*D02*	*Surr Limits: (48-120%)*				*12/13/10 14:19*	*MKP*	*10L0912*	*8270C*
2-Fluorophenol	*35 %*	*D02*	*Surr Limits: (20-120%)*				*12/13/10 14:19*	*MKP*	*10L0912*	*8270C*
Nitrobenzene-d5	*109 %*	*D02*	*Surr Limits: (46-120%)*				*12/13/10 14:19*	*MKP*	*10L0912*	*8270C*
Phenol-d5	*29 %*	*D02*	*Surr Limits: (16-120%)*				*12/13/10 14:19*	*MKP*	*10L0912*	*8270C*
p-Terphenyl-d14	*68 %*	*D02*	*Surr Limits: (24-136%)*				*12/13/10 14:19*	*MKP*	*10L0912*	*8270C*
Semivolatile Organics TICs by GC/MS										
Decahydro-4,4,8,9,10-pentamethylnaphthalene (080655-44-3)	**310**	D02	Ret Time: 8.883		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Eicosane (000112-95-8)	**1500**	D02	Ret Time: 11.896		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Heneicosane (000629-94-7)	**1500**	D02	Ret Time: 12.244		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Heptadecane (000629-78-7)	**1400**	D02	Ret Time: 10.646		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Hexadecane, 2,6,10-trimethyl- (055000-52-7)	**3800**	D02	Ret Time: 10.668		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Nonadecane (000629-92-5)	**1400**	D02	Ret Time: 11.517		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Octadecane (593-45-3)	**1300**	D02	Ret Time: 11.1		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Pentadecane, 4-methyl- (002801-87-8)	**490**	D02	Ret Time: 9.316		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Tridecane (000629-50-5)	**520**	D02	Ret Time: 8.264		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Tridecane, 5-propyl- (055045-11-9)	**2000**	D02	Ret Time: 10.379		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Tridecane, 7-methyl- (026730-14-3)	**1100**	D02	Ret Time: 8.071		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Undecane, 2,6-dimethyl- (017301-23-4)	**440**	D02	Ret Time: 7.639		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Unknown01 (none)	**260**	D02	Ret Time: 9.48		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Unknown02 (none)	**400**	D02	Ret Time: 10.844		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Unknown03 (none)	**290**	D02	Ret Time: 10.88		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Unknown04 (none)	**360**	D02	Ret Time: 11.474		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Unknown05 (none)	**250**	D02	Ret Time: 12.169		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Unknown06 (none)	**690**	D02	Ret Time: 12.57		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Unknown07 (none)	**470**	D02	Ret Time: 12.87		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Unknown08 (none)	**310**	D02	Ret Time: 13.163		ug/L	10.0	12/13/10 14:19	MKP	10L0912	8270C
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016	ND	QSU	0.62	NR	ug/L	1.00	12/13/10 08:43	tchro	10L0909	8082
Aroclor 1221	ND	QSU	0.62	NR	ug/L	1.00	12/13/10 08:43	tchro	10L0909	8082
Aroclor 1232	ND	QSU	0.62	NR	ug/L	1.00	12/13/10 08:43	tchro	10L0909	8082

PARS Environmental, Inc.
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Work Order: RTL0706

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0706-02 (TP-12 - Water) - cont.						**Sampled: 12/08/10 15:00**		**Recvd: 12/08/10 17:25**		
Polychlorinated Biphenyls by EPA Method 8082 - cont.										
Aroclor 1242	ND	QSU	0.62	NR	ug/L	1.00	12/13/10 08:43	tchro	10L0909	8082
Aroclor 1248	ND	QSU	0.62	NR	ug/L	1.00	12/13/10 08:43	tchro	10L0909	8082
Aroclor 1254	**1.7**	QSU	0.62	NR	ug/L	1.00	12/13/10 08:43	tchro	10L0909	8082
Aroclor 1260	**0.72**	QSU	0.62	NR	ug/L	1.00	12/13/10 08:43	tchro	10L0909	8082
Decachlorobiphenyl	*62 %*	*QSU*	*Surr Limits: (12-137%)*				*12/13/10 08:43*	*tchro*	*10L0909*	*8082*
Tetrachloro-m-xylene	*81 %*	*QSU,C8*	*Surr Limits: (35-121%)*				*12/13/10 08:43*	*tchro*	*10L0909*	*8082*
Dissolved Metals by SW 846 Series Methods										
Aluminum	**0.621**	P7	0.200	0.045	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Antimony	ND	P7	0.0200	0.0068	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Arsenic	ND	P7	0.0100	0.0056	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Barium	**0.0173**	P7	0.0020	0.0005	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Beryllium	ND	P7	0.0020	0.0003	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Cadmium	ND	P7	0.0010	0.0003	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Calcium	**74.7**	P7, B	0.5	0.1	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Chromium	**0.215**	P7	0.0040	0.0009	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Cobalt	ND	P7	0.0040	0.0006	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Copper	**0.0025**	J, P7	0.0100	0.0015	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Iron	ND	P7	0.050	0.019	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Lead	ND	P7	0.0050	0.0030	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Magnesium	ND	P7	0.200	0.043	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Manganese	**0.0004**	J, P7, B	0.0030	0.0002	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Nickel	**0.0015**	J, P7	0.0100	0.0013	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Potassium	**3.03**	P7	0.500	0.200	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Selenium	ND	P7	0.0150	0.0087	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Silver	ND	P7	0.0030	0.0017	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Sodium	**2.7**	P7	1.0	0.3	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Thallium	ND	P7	0.0200	0.0102	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Vanadium	**0.0104**	P7	0.0050	0.0011	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Zinc	**0.0042**	P7, J, B	0.0100	0.0017	mg/L	1.00	12/13/10 17:51	LMH	10L0927	6010B
Mercury	ND		0.0002	0.0001	mg/L	1.00	12/17/10 13:43	JRK	10L1471	7470A

APPENDIX E

Waste Disposal Documentation

FRANK'S VACUUM TRUCK SERVICE, INC.
4500 Royal Avenue • Niagara Falls, New York 14303
(716) 284-2132

NYDEC #9A-332
EPA ID # NYD982792814

125548

DATE 8/25/11

PICK UP

SHIPPER

NAME 99 TH REGIONAL SUPPORT

STREET 4420 PORTER ROAD

CITY NIAGARA FALLS, NY STATE ZIP CODE

CONTACT NAME [illegible] (716) [illegible]

SCHEDULED TIME [illegible] 0730

ADDITIONAL INFORMATION

DELIVERY

CONSIGNEE

NAME CHEMICAL WASTE

STREET 1630 PALMER ROAD

CITY [illegible] STATE ZIP CODE

CONTACT NAME [illegible] [illegible]

SCHEDULED TIME [illegible]

CUSTOMER P.O. NO.	WORK ORDER NUMBER	MANIFEST NUMBER	BILLING REFERENCE
[illegible]			
LOAD NUMBER [illegible]	**TRACTOR NUMBER**	**TRAILER NUMBER** [illegible]	**DRIVER'S NAME** [illegible]

NUMBER & TYPES	WEIGHT OR VOLUME	HAZ. MAT.	DESCRIPTION OF WASTE(S) PER 40 CFR	CUSTOMER CODE #
6	[illegible]		Pet Mat'l	

TYPE (CIRCLE ONE)
TANK (S/S) (R/L)
VAC
DUMP
VAN
ROLL-OFF
FLATBED

PLACARDS PROVIDED OR AFFIXED

SHIPPER'S CHECK LIST

	DOT LABELS APPLIED AND SECURE		DOT AUTHORIZED CONTAINERS
	PROPER DOT NAME ON ALL PACKAGES		CHECKED FOR PROPER SEALING

WHEN "RQ" QUANTITY RELEASED INTO ENVIRONMENT, IMMEDIATELY NOTIFY NAT. RESPONSE CENTER - 800-424-8802 AND 911 EMERGENCY SYSTEM OR LOCAL OPERATOR

EMERGENCY RESPONSE PHONE NUMBER:

PICK UP

ARRIVAL DATE [illegible]

ARRIVAL TIME 10:15 AM PM RELEASE TIME 12:15 AM PM

TRAILER EMPTY UPON ARRIVAL ☐ YES ☑ NO
(If not, explain below)

DIP MEASUREMENT (Tankers Only) _____ INCHES

COMMENTS: (EXPLAIN ALL DELAYS) Live load

SHIPPERS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

SHIPPER'S SIGNATURE _____ TITLE _____

DELIVERY

DRIVER _____ DATE _____

ARRIVAL TIME 12:40 AM PM RELEASE TIME 12:40 AM PM

TRAILER EMPTY UPON DEPARTURE ☑ YES ☐ NO
(If no, explain below)

COMMENTS: (EXPLAIN ALL DELAYS) _____

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

X _____
CONSIGNEE'S SIGNATURE

CWM

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NY 8 2 1 0 4 2 4 2 7 3	1	(800) 424-9300	125548 RR 08/03/11

5. Generator's Name and Mailing Address
99TH REG SUPPORT COMMAND C/O GZA GEOENVIRO
536 WASHINGTON STREET 11TH FLOOR Attn: Chris Boron
BUFFALO NY 14203
Generator's Phone: (716) 844-7050

Generator's Site Address (if different than mailing address)
99TH REGIONAL SUPPORT COMMAND
9400 PORTER RD
NIAGARA FALLS NY 14304

6. Transporter 1 Company Name: Frank's Vacuum Truck Service — U.S. EPA ID Number: NYD982792814

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550

U.S. EPA ID Number: NYD049836679

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON DOT REGULATED MATERIAL -02 107415NY	6	DM	1,650	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1. 107415NY - NON HAZ WATER FROM TP-12 EXCAVATION
ER SERVICE CONTRACTED BY WASTE MANAGEMENT SERVICE REQUEST # _____

81643878-02

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name — Signature — Month — Day — Year

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Edward Ubiles — Signature: Edward Ubiles — Month: 12 — Day: 28 — Year: 11
Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Generator signed in section 18: did not date manifest — Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

H135

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Glenn Stidel — Signature — Month — Day — Year

James J. Cis

169-BLC-O 5 11977 (Rev. 8/06) DESIGNATED FACILITY'S COPY 12/28/11

APPENDIX F

Soil Probe Logs

Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR:	Matrix Environmental Technologies	BORING LOCATION:	See Location Plan
DRILLER:	Pat Bliek	GROUND SURFACE ELEVATION:	NA DATUM NA
START DATE: 12/6/10	END DATE: 12/6/10	GZA GEOENVIRONMENTAL REPRESENTATIVE:	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG:	Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER:	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD:	Direct push
ROCK DRILLING METHOD:	NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	S-1	0-4	40	(FILL) Brown, fine to coarse GRAVEL, some Silt, trace Asphalt fragments, wet.		0
1						
2						0
3						
4	S-2	4-7	40	(FILL) Grades to:..some Sand, moist to wet.		0
5				(FILL) Brown, fine to coarse SAND, trace Silt, moist.		
6						0
7				Refusal at 7.0' bgs.		
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: 1) MiniRae 2000 organic vapor meter used to field screen and headspace soil samples.
2) bgs = below ground surface.

General Notes: 1) Stratification lines represent approximate boundary between soil types, transitions may be gradual.
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR: Matrix Environmental Technologies
DRILLER: Pat Bliek
START DATE: 12/6/10 END DATE: 12/6/10
BORING LOCATION: See Location Plan
GROUND SURFACE ELEVATION: NA DATUM NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
1	S-1	0-4	37	(FILL) Brown, fine to coarse GRAVEL, some fine to coarse Sand, trace Silt, trace Brick fragments, moist.	Headspace result = 1.4 ppm (0-4' bgs)	5.4
2						0.2
3						
4						
5	S-2	4-8	37	(FILL) Brown to dark brown, fine to coarse SAND, trace fine Grave; wet.	Slight petroleum odor observed.	1.5
6						
7						1.7
8						
9	S-3	8-12	83	Reddish brown, Silty CLAY, trace fine to medium Sand, moist. (NATIVE)	Headspace result = 5.8 ppm (8-12' bgs)	1.8
10						
11						0
12						
13				End of SP-2 at 12.0' bgs.		
14						
15						
16						
17						
18						
19						
20						

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C - Rock Core Sample

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Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR: Matrix Environmental Technologies
DRILLER: Pat Bliek
START DATE: 12/6/10 END DATE: 12/6/10
BORING LOCATION: See Location Plan
GROUND SURFACE ELEVATION: NA DATUM NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	S-1	0-4	75	(FILL) Brown, fine to coarse SAND, trace Gravel, trace Brick	Headspace result =	0
1				fragments, moist.	0.0 ppm (0-4' bgs)	
				Brown, Silty CLAY, trace fine Sand, moist. (NATIVE)		
2						
						0
3						
4						
	S-2	4-8	60	Grades to:..reddish brown. (NATIVE)		0
5						
6						
						0
7						
8						
				End of SP-3 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: 1) MiniRae 2000 organic vapor meter used to field screen and headspace soil samples.
2) bgs = below ground surface.

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2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR: Matrix Environmental Technologies
DRILLER: Pat Bliek
START DATE: 12/6/10 END DATE: 12/6/10
BORING LOCATION: See Location Plan
GROUND SURFACE ELEVATION: NA DATUM NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)			
	S-1	0-4	50	(FILL) Brown, fine to coarse GRAVEL, some fine to coarse Sand,	Headspace result =	0
1				trace Clay, trace Wood, trace Brick fragments, moist.	0.0 ppm (0-4' bgs)	
				Gray to dark gray, Silty CLAY, trace fine Sand, moist. (NATIVE)		
2						
						0
3						
4						
	S-2	4-8	100	Brown, Silty CLAY, trace fine Sand, moist. (NATIVE)	Headspace result =	0
5					0.0 ppm (4-8' bgs)	
6						
						0
7						
8						
				End of SP-4 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: 1) MiniRae 2000 organic vapor meter used to field screen and headspace soil samples.
2) bgs = below ground surface.

General Notes:
1) Stratification lines represent approximate boundary between soil types, transitions may be gradual.
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR: Matrix Environmental Technologies
DRILLER: Pat Bliek
START DATE: 12/6/10 END DATE: 12/6/10
BORING LOCATION: See Location Plan
GROUND SURFACE ELEVATION: NA DATUM NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)			
	S-1	0-4	34	(FILL) Dark brown, fine to coarse GRAVEL, some fine to coarse		0
1				Sand, trace Brick fragments, moist.		
				Dark grayish brown, Silty CLAY, trace fine Sand, trace Organics,		
2				moist. (NATIVE)		
						0
3						
4						
	S-2	4-8	100	Grades to:..reddish brown. (NATIVE)		0
5						
6						
						0
7						
8						
				End of SP-5 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: 1) MiniRae 2000 organic vapor meter used to field screen and headspace soil samples.
2) bgs = below ground surface.

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Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR:	Matrix Environmental Technologies	BORING LOCATION:	See Location Plan
DRILLER:	Pat Bliek	GROUND SURFACE ELEVATION:	NA DATUM NA
START DATE: 12/6/10	END DATE: 12/6/10	GZA GEOENVIRONMENTAL REPRESENTATIVE:	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG:	Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER:	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD:	Direct push
ROCK DRILLING METHOD:	NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	S-1	0-4	56	(FILL) Brown, fine to coarse GRAVEL, some fine to coarse Sand, trace Brick fragments, moist.	Headspace result = 0.0 ppm (0-4' bgs)	0
1						
2				Grayish brown, Silty CLAY, trace fine Sand, trace Organics, moist. (NATIVE)		0
3						
4						
	S-2	4-8	100	Grades to:..reddish brown. (NATIVE)	Headspace result = 0.0 ppm (4-8' bgs)	0
5						
6						0
7						
8				End of SP-6 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: 1) MiniRae 2000 organic vapor meter used to field screen and headspace soil samples.
2) bgs = below ground surface.

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Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR: Matrix Environmental Technologies
DRILLER: Pat Bliek
START DATE: 12/6/10 END DATE: 12/6/10
BORING LOCATION: See Location Plan
GROUND SURFACE ELEVATION: NA DATUM NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
1	S-1	0-4	62	(FILL) Dark brown, fine to coarse SAND, some fine to coarse Gravel, trace Brick fragments, trace Slag fragments, trace Concrete fragments, moist.	Headspace result = 0.0 ppm (0-4' bgs)	0
2				Grayish brown, Silty CLAY, trace fine Sand, moist. (NATIVE)		0
3						
4						
5	S-2	4-8	100	Grades to:..reddish brown. (NATIVE)	Headspace result = 0.0 ppm (4-8' bgs)	0
6						
7						0
8						
9				End of SP-7 at 8.0' bgs.		
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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C - Rock Core Sample

NOTES: 1) MiniRae 2000 organic vapor meter used to field screen and headspace soil samples.
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General Notes:
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Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR: Matrix Environmental Technologies
DRILLER: Pat Bliek
START DATE: 12/6/10 END DATE: 12/6/10
BORING LOCATION: See Location Plan
GROUND SURFACE ELEVATION: NA DATUM NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
1	S-1	0-4	66	(FILL) Dark brown, fine to coarse SAND, trace fine to coarse Gravel, trace Brick fragments, moist.	Headspace result = 0.0 ppm (0-4' bgs)	0.6
2				Grayish brown, Silty CLAY, trace fine Sand, moist. (NATIVE)		0
3						
4						
5	S-2	4-8	100	Grades to:..reddish brown. (NATIVE)	Headspace result = 0.0 ppm (4-8' bgs)	0
6						
7						
8				End of SP-8 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: 1) MiniRae 2000 organic vapor meter used to field screen and headspace soil samples.
2) bgs = below ground surface.

General Notes:
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2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR:	Matrix Environmental Technologies	BORING LOCATION:	See Location Plan
DRILLER:	Pat Bliek	GROUND SURFACE ELEVATION:	NA DATUM NA
START DATE: 12/6/10	END DATE: 12/6/10	GZA GEOENVIRONMENTAL REPRESENTATIVE:	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG:	Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER:	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD:	Direct push
ROCK DRILLING METHOD:	NA

DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)			
	S-1	0-4	68	(FILL) Dark brown, fine to coarse SAND, trace fine to coarse	Headspace result =	0
1				Gravel, moist.	0.0 ppm (0-4' bgs)	
				(FILL) Grayish brown, fine to coarse GRAVEL, some fine to coarse		
2				Sand, moist.		
				Grayish brown, Silty CLAY, trace fine Sand, trace Organics, moist.		0
3				(NATIVE)		
4						
	S-2	4-8	100	Grades to:..reddish brown. (NATIVE)	Headspace result =	0
5					0.0 ppm (4-8' bgs)	
6						
						0
7						
8						
				End of SP-9 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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C - Rock Core Sample

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Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR: Matrix Environmental Technologies
DRILLER: Pat Bliek
START DATE: 12/6/10 END DATE: 12/6/10
BORING LOCATION: See Location Plan
GROUND SURFACE ELEVATION: NA DATUM NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	S-1	0-4	68	(FILL) Dark brown, fine to coarse SAND, trace fine to corase	Headspace result =	0
1				Gravel, trace Brick fragments, moist.	0.0 ppm (0-4' bgs)	
				(FILL) Grayish brown, fine to coarse SAND & GRAVEL, some Silt,		
2				trace Slag fragments, trace Concrete fragments, moist.		
				Grayish brown, Silty CLAY, trace fine Sand, moist. (NATIVE)		0
3						
4						
	S-2	4-8	100	Grades to:..reddish brown. (NATIVE)	Headspace result =	0
5					0.0 ppm (4-8' bgs)	
6						
						0
7						
8						
	S-3	8-12	100			0
9						
10						
						0
11						
12						
				End of SP-10 at 12.0' bgs.		
13						
14						
15						
16						
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

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Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR:	Matrix Environmental Technologies	BORING LOCATION:	See Location Plan
DRILLER:	Pat Bliek	GROUND SURFACE ELEVATION:	NA DATUM NA
START DATE: 12/6/10	END DATE: 12/6/10	GZA GEOENVIRONMENTAL REPRESENTATIVE:	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG:	Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER:	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD:	Direct push
ROCK DRILLING METHOD:	NA

DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)			
	S-1	0-4	58	(FILL) Dark brown, fine to coarse SAND, trace fine to medium	Black to dark gray	0
1				Gravel, moist.	mottling from	
				Grayish brown, Silty CLAY, trace fine Sand, moist. (NATIVE)	approx. 1.5-4.0' bgs	
2					Headspace result =	
					0.0 ppm (0-4' bgs)	0
3						
4						
	S-2	4-8	100	Grades to:..reddish brown. (NATIVE)	Headspace result =	0
5					0.0 ppm (4-8' bgs)	
6						
						0
7						
8						
				End of SP-11 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: 1) MiniRae 2000 organic vapor meter used to field screen and headspace soil samples.
2) bgs = below ground surface.

General Notes:
1) Stratification lines represent approximate boundary between soil types, transitions may be gradual.
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR: Matrix Environmental Technologies
DRILLER: Pat Bliek
START DATE: 12/6/10 END DATE: 12/6/10
BORING LOCATION: See Location Plan
GROUND SURFACE ELEVATION: NA DATUM NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)			
	S-1	0-4	50	(FILL) Dark brown, fine to coarse SAND, some fine to medium	Headspace result =	0
1				Gravel, moist.	0.0 ppm (0-4' bgs)	
				(FILL) Grayish brown, fine to medium GRAVEL, some fine to coarse		
2				Sand, moist.		
				Gray to dark grayish brown, Silty CLAY, trace fine Sand, moist.		0
3				(NATIVE)		
4						
	S-2	4-8	50	Grades to:..trace Organics. (NATIVE)		0
5						
6						
						0
7						
8						
	S-3	8-12	62			0
9				Grades to:..reddish brown. (NATIVE)		
10						
						0
11						
12						
				End of SP-12 at 12.0' bgs.		
13						
14						
15						
16						
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

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Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR:	Matrix Environmental Technologies	BORING LOCATION:	See Location Plan
DRILLER:	Pat Bliek	GROUND SURFACE ELEVATION:	NA DATUM NA
START DATE: 12/7/10	END DATE: 12/7/10	GZA GEOENVIRONMENTAL REPRESENTATIVE:	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG:	Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER:	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD:	Direct push
ROCK DRILLING METHOD:	NA

DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)			
	S-1	0-4	50	(FILL) Dark brown to grayish brown, fine to coarse SAND, some	Headspace result =	0
1				fine to medium Gravel, trace Silt, trace Brick fragments moist.	0.0 ppm (0-4' bgs)	
2						0
3						
4						
	S-2	4-8	56	(FILL) Brown, to grayish brown, fine to coarse SAND, some Clay &	Headspace result =	0
5				Silt, trace fine to coarse Gravel, moist.	0.0 ppm (4-8' bgs)	
6						0
7				(FILL) Grades to:..wet.		
8						
	S-3	8-12	37	(FILL) Grades to:..brown, trace fine to medium Gravel.	Headspace result =	0
9					0.0 ppm (8-12' bgs)	
10						0
11						
12						
	S-4	12-13	50			0
13						
				Refusal at 13.0' bgs.		
14						
15						
16						
17						
18						
19						
20						

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C - Rock Core Sample

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Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR:	Matrix Environmental Technologies	BORING LOCATION:	See Location Plan
DRILLER:	Pat Bliek	GROUND SURFACE ELEVATION:	NA DATUM NA
START DATE: 12/7/10	END DATE: 12/7/10	GZA GEOENVIRONMENTAL REPRESENTATIVE:	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG:	Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER:	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD:	Direct push
ROCK DRILLING METHOD:	NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
1	S-1	0-4	50	(FILL) Brown and gray, fine to coarse SAND, some Silt, trace fine to medium Gravel, trace Slag fragments, moist.	Headspace result = 0.0 ppm (0-4' bgs)	0
3				Brownish gray, Silty CLAY, trace fine to medium Sand, trace Organics, moist. (NATIVE)		0
5	S-2	4-8	100	Grades to:..reddish gray. (NATIVE)	Headspace result = 0.0 ppm (4-8' bgs)	0
7						0
9				End of SP-14 at 8.0' bgs.		

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C - Rock Core Sample

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Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR:	Matrix Environmental Technologies	BORING LOCATION:	See Location Plan
DRILLER:	Pat Bliek	GROUND SURFACE ELEVATION:	NA DATUM NA
START DATE: 12/7/10	END DATE: 12/7/10	GZA GEOENVIRONMENTAL REPRESENTATIVE:	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG:	Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER:	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD:	Direct push
ROCK DRILLING METHOD:	NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	S-1	0-4	50	(FILL) Brown to dark brown, fine to coarse SAND, some fine Gravel, trace Silt, trace Slag fragments, moist.		0
1						
2				Grayish brown with dark gray staining, Silty CLAY, trace fine to medium Sand, moist. (NATIVE)		0
3						
4						
	S-2	4-8	100	Grades to:..reddish brown. (NATIVE)		0
5						
6						
7						0
8				End of SP-15 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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C - Rock Core Sample

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Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR: Matrix Environmental Technologies
DRILLER: Pat Bliek
START DATE: 12/7/10 END DATE: 12/7/10
BORING LOCATION: See Location Plan
GROUND SURFACE ELEVATION: NA DATUM NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)			
	S-1	0-4	50	(FILL) Dark brown, fine to coarse SAND, some Silt, trace fine to		0
1				medium Gravel, trace Brick fragments, moist.		
				(FILL) Light gray, Sandy SILT, trace fine to coarse Gravel, trace		
2				Brick fragments, moist.		
						0
3						
4				Grayish brown, Silty CLAY, trace fine Sand, moist. (NATIVE)		
	S-2	4-8	100	Grades to:..reddish brown. (NATIVE)	Headspace result =	0
5					0.0 ppm (4-8' bgs)	
6						
						0
7						
8						
				End of SP-16 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

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Niagara Falls Armed Forces Reserve Center
Niagara Falls, NY

CONTRACTOR: Matrix Environmental Technologies
DRILLER: Pat Bliek
START DATE: 12/7/10 END DATE: 12/7/10
BORING LOCATION: See Location Plan
GROUND SURFACE ELEVATION: NA DATUM NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	S-1	0-4	50	(FILL) Dark brown, fine to coarse SAND, trace fine to medium Gravel, trace Silt, moist.	Headspace result = 0.0 ppm (0-4' bgs)	0
1						
				(FILL) Tan, Sandy SILT, trace fine to medium Gravel, moist.		
2						
				(FILL) Light gray, fine to coarse SAND, trace fine Gravel, wet.		0
3						
				Grayish brown, Silty CLAY, trace fine to medium Sand, moist. (NATIVE)		
4						
	S-2	4-8	46	Grades to:..reddish brown. (NATIVE)		0
5						
6						
						0
7						
8						
				End of SP-17 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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C - Rock Core Sample

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Niagara Falls, NY

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GROUND SURFACE ELEVATION: NA DATUM NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)			
	S-1	0-4	48	(FILL) Dark gray, fine to coarse GRAVEL, moist.	Headspace result =	0
1				(FILL) Brown to grayish brown, fine to coarse SAND, some Silt,	0.0 ppm (0-4' bgs)	
				trace fine Gravel, moist.		
2						
						0
3						
4						
	S-2	4-8	100	Grayish brown, Silty CLAY, trace fine to medium Sand, moist.		0
5				(NATIVE)		
				Grades to:..reddish brown. (NATIVE)		
6						
						0
7						
8						
				End of SP-18 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	S-1	0-4	56	(FILL) Dark brown, fine to coarse SAND, trace fine Gravel, trace Brick fragments, moist.	Headspace result = 0.0 ppm (0-4' bgs)	0
1						
2				(FILL) Light gray, Silty SAND, trace fine Gravel, moist.		0
3						
4				Gray to reddish brown, Silty CLAY, trace fine to medium Sand, moist. (NATIVE)		
	S-2	4-8	75	Grades to:..reddish brown. (NATIVE)	Headspace result = 0.0 ppm (4-8' bgs)	0
5						
6						0
7						
8				End of SP-19 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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C - Rock Core Sample

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Niagara Falls, NY

CONTRACTOR:	Matrix Environmental Technologies	BORING LOCATION:	See Location Plan
DRILLER:	Pat Bliek	GROUND SURFACE ELEVATION:	NA DATUM NA
START DATE: 12/7/10	END DATE: 12/7/10	GZA GEOENVIRONMENTAL REPRESENTATIVE:	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG:	Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER:	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD:	Direct push
ROCK DRILLING METHOD:	NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
	S-1	0-4	50	(FILL) Dark brown, fine to coarse SAND, trace fine Gravel, moist.		0
1						
				(FILL) Tan, SAND & GRAVEL, trace Silt, moist.		
2				Light grayish brown, Silty CLAY, trace fine to medium Sand, moist.		
				(NATIVE)		0
3						
4						
	S-2	4-8	75	Grades to:..reddish brown. (NATIVE)	Headspace result =	0
5					0.0 ppm (4-8' bgs)	
6						
						0
7						
8						
				End of SP-20 at 8.0' bgs.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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Niagara Falls, NY

CONTRACTOR: Matrix Environmental Technologies
DRILLER: Pat Bliek
START DATE: 12/7/10 END DATE: 12/7/10
BORING LOCATION: See Location Plan
GROUND SURFACE ELEVATION: NA DATUM NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 54 DT track mounted rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	FIELD SCREENING RESULTS (ppm)
1	S-1	0-4	42	(FILL) Brown to dark brown, fine to coarse SAND, trace fine to medium Gravel, trace Slag fragments, trace Concrete fragments, moist.	Headspace result = 0.0 ppm (0-4' bgs)	0
2				(FILL) Grades to:..light gray and tan, wet.		0
3						
4						
5	S-2	4-8	58	Reddish brown, Silty CLAY, trace fine to medium Sand, moist. (NATIVE)	Headspace result = 0.0 ppm (4-8' bgs)	0
6						
7						0
8						
9				End of SP-21 at 8.0' bgs.		
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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PARS
Environmental
Inc.

SITE INSPECTION REPORT

Niagara Falls Armed Forces Reserve Center
Building 2 and Former Fire Protection Main
9400 Porter Road
Niagara Falls, Niagara County, NY

Volume II of IV

Contract # GS-10F-0094W
Delivery Order # W912QR-10-F-0316 &
W912QR-10-F-03222

PREPARED FOR
U.S Army Corps of Engineers-Louisville Division
600 Dr. Martin Luther King, Jr. Place
Louisville, KY 40202

PREPARED BY
PARS Environmental, Inc.
500 Horizon Center, Suite 540
Robbinsville, NJ 08691
609-890-7277
609-890-9116 (Fax)

PARS PROJECT NO. 773-04

MARCH 2011

VOLUME II

Soil Analytical Results (SP-1 through SP-12)

Analytical Report

Work Order: RTL0572

Project Description

NF Armed Forces Reserve Center Solids Testing

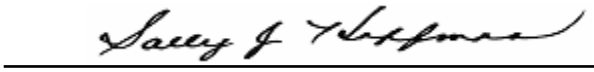
For:

Michael Moore

PARS Environmental, Inc.

6A South Gold Drive

Robbinsville, NJ 08691



Sally Hoffman

Project Manager

Sally.Hoffman@testamericainc.com

Monday, December 20, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Persuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

TestAmerica Buffalo
Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

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 within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Sally Hoffman
Project Manager

Monday, December 20, 2010

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
B1	Analyte was detected in the associated method / calibration blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected above the laboratory PQL, data not impacted.
D08	Dilution required due to high concentration of target analyte(s)
D12	Dilution required due to sample viscosity
ID4	Benzo(b)fluoranthene coelutes with Benzo(k)fluoranthene. The reported result is a summation of the isomers and the concentration is based on the response factor of Benzo(b)fluoranthene
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
M1	The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS and /or MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
QSU	Sulfur (EPA 3660) clean-up performed on extract.
R2	The RPD exceeded the acceptance limit.
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
T10	Sample had an adjusted final volume during extraction due to extract matrix and / or viscosity.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.
TIC	Analyzed by MS T.I.C. (Tentatively Identified Compound)

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-01 (SP-1-5-7 - Solid)						**Sampled: 12/06/10 09:05**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B										
1,2,4-Trimethylbenzene	**1.4**	J	5.4	1.0	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Acetone	**7.1**	J	27	4.5	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Methylene Chloride	**25**		5.4	2.5	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
Benzo(a)anthracene	**20**	J	190	3.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Benzo(a)pyrene	**23**	J	190	4.5	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Benzo(b)fluoranthene	**34**	J	190	3.6	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Benzo(ghi)perylene	**26**	J	190	2.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Benzo(k)fluoranthene	**12**	J	190	2.0	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Chrysene	**27**	J	190	1.8	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Fluoranthene	**51**	J	190	2.7	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Fluorene	**17**	J	190	4.3	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Indeno(1,2,3-cd)pyrene	**19**	J	190	5.1	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Phenanthrene	**48**	J	190	3.9	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Pyrene	**46**	J	190	1.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Total Metals by SW 846 Series Methods										
Aluminum	**2290**	B	10.9	4.8	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Arsenic	**2.0**	J	2.2	0.4	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Barium	**11.6**		0.544	0.120	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Beryllium	**0.115**	J	0.218	0.030	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Cadmium	**0.186**	J	0.218	0.033	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Calcium	**95000**	D08, B	272	18.0	mg/kg dry	5.00	12/09/10 11:16	AMH	10L0535	6010B
Chromium	**3.45**		0.544	0.218	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Cobalt	**2.03**		0.544	0.054	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Copper	**8.7**		1.1	0.2	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Iron	**5690**	B	10.9	1.2	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Lead	**8.0**		1.1	0.3	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Magnesium	**50500**	D08	109	5.0	mg/kg dry	5.00	12/09/10 11:16	AMH	10L0535	6010B
Manganese	**298**	B	0.2	0.03	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Nickel	**5.24**	J	5.44	0.250	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Potassium	**485**		32.6	21.8	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Sodium	**151**	J	152	14.1	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Vanadium	**6.11**		0.544	0.120	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Zinc	**44.6**	B	2.2	0.2	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	12/07/10 15:18	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-02 (SP-2-6-8 - Solid)						**Sampled: 12/06/10 09:40**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B										
1,2,4-Trimethylbenzene	**130**		6.0	1.2	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,3,5-Trimethylbenzene	**29**		6.0	0.39	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
4-Isopropyltoluene	**7.5**		6.0	0.48	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Ethylbenzene	**31**		6.0	0.42	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Isopropylbenzene	**10**		6.0	0.91	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Methylcyclohexane	**66**		6.0	0.92	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Methylene Chloride	**12**		6.0	2.8	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Naphthalene	**24**		6.0	0.81	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
n-Butylbenzene	**13**		6.0	0.52	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
n-Propylbenzene	**42**		6.0	0.48	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
sec-Butylbenzene	**5.3**	J	6.0	0.52	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Xylenes, total	**23**		12	1.0	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Semivolatile Organics by GC/MS										
2-Methylnaphthalene	**410**		210	2.5	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Acenaphthene	**25**	J	210	2.4	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Anthracene	**50**	J	210	5.3	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Benzo(a)anthracene	**91**	J	210	3.6	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Benzo(a)pyrene	**85**	J	210	5.0	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Benzo(b)fluoranthene	**110**	J	210	4.0	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Benzo(ghi)perylene	**51**	J	210	2.5	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Benzo(k)fluoranthene	**39**	J	210	2.3	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Biphenyl	**32**	J	210	13	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Chrysene	**94**	J	210	2.1	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Fluoranthene	**210**		210	3.0	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Fluorene	**39**	J	210	4.8	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Indeno(1,2,3-cd)pyrene	**38**	J	210	5.7	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Naphthalene	**410**		210	3.4	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Phenanthrene	**170**	J	210	4.3	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Pyrene	**180**	J	210	1.3	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Total Metals by SW 846 Series Methods										
Aluminum	**2460**	B	11.7	5.1	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Arsenic	**4.8**		2.3	0.5	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Barium	**14.0**		0.584	0.128	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Beryllium	**0.105**	J	0.234	0.033	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Cadmium	**0.169**	J	0.234	0.035	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Calcium	**78300**	D08, B	292	19.3	mg/kg dry	5.00	12/09/10 11:18	AMH	10L0535	6010B
Chromium	**7.12**		0.584	0.234	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Cobalt	**1.96**		0.584	0.058	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Copper	**6.1**		1.2	0.2	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Iron	**5360**	B	11.7	1.3	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Lead	**6.3**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Magnesium	**31200**		23.4	1.1	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Manganese	**222**	B	0.2	0.04	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Nickel	**5.04**	J	5.84	0.269	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Potassium	**659**		35.0	23.4	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Sodium	**134**	J	163	15.2	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-02 (SP-2-6-8 - Solid) - cont.						**Sampled: 12/06/10 09:40**			**Recvd: 12/06/10 17:15**	
Total Metals by SW 846 Series Methods - cont.										
Vanadium	**5.96**		0.584	0.128	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Zinc	**30.6**	B	2.3	0.2	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
General Chemistry Parameters										
Percent Solids	**80**		0.010	NR	%	1.00	12/07/10 15:20	MJM	10L0500	Dry Weight
Sample ID: RTL0572-03 (SP-3-4-6 - Solid)						**Sampled: 12/06/10 10:10**			**Recvd: 12/06/10 17:15**	
Volatile Organic Compounds by EPA 8260B										
Acetone	**31**	J	33	5.5	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Methylene Chloride	**32**		6.6	3.0	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Xylenes, total	**3.2**	J	13	1.1	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Total Metals by SW 846 Series Methods										
Aluminum	**17600**	B	12.6	5.5	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Arsenic	**6.4**		2.5	0.5	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Barium	**105**		0.628	0.138	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Beryllium	**0.950**		0.251	0.035	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Cadmium	**0.221**	J	0.251	0.038	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Calcium	**16800**	B	62.8	4.1	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Chromium	**23.5**		0.628	0.251	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Cobalt	**13.8**		0.628	0.063	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Copper	**23.1**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Iron	**26800**	B	12.6	1.4	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Lead	**13.4**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Magnesium	**10500**		25.1	1.2	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Manganese	**291**	B	0.3	0.04	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Nickel	**33.7**		6.28	0.289	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Potassium	**1600**		37.7	25.1	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Sodium	**136**	J	176	16.3	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Vanadium	**29.7**		0.628	0.138	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Zinc	**62.3**	B	2.5	0.2	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Mercury	**0.0132**	J	0.0246	0.0099	mg/kg dry	1.00	12/08/10 12:21	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**75**		0.010	NR	%	1.00	12/07/10 15:22	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-04 (SP-4-2-4 - Solid)					**Sampled: 12/06/10 10:40**			**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B										
Acetone	**38**		31	5.3	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Methylene Chloride	**29**		6.3	2.9	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Total Metals by SW 846 Series Methods										
Aluminum	**21200**	B	12.6	5.6	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Arsenic	**2.8**		2.5	0.5	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Barium	**151**		0.631	0.139	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Beryllium	**1.39**		0.252	0.035	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Cadmium	**0.109**	J	0.252	0.038	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Calcium	**2020**	B	63.1	4.2	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Chromium	**27.6**		0.631	0.252	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Cobalt	**11.5**		0.631	0.063	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Copper	**21.6**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Iron	**31900**	B	12.6	1.4	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Lead	**15.0**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Magnesium	**8210**		25.2	1.2	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Manganese	**186**	B	0.3	0.04	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Nickel	**33.2**		6.31	0.290	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Potassium	**1770**		37.9	25.2	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Sodium	**298**		177	16.4	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Vanadium	**33.9**		0.631	0.139	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Zinc	**72.0**	B	2.5	0.2	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Mercury	**0.0423**		0.0240	0.0097	mg/kg dry	1.00	12/08/10 12:22	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**78**		0.010	NR	%	1.00	12/07/10 15:24	MJM	10L0500	Dry Weight
Sample ID: RTL0572-05 (SP-5-2-4 - Solid)					**Sampled: 12/06/10 11:50**			**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B										
2-Butanone (MEK)	**16**	J	42	3.1	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Acetone	**70**		42	7.0	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Methylene Chloride	**35**		8.4	3.8	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Total Metals by SW 846 Series Methods										
Aluminum	**27600**	B	16.5	7.2	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Arsenic	**7.1**		3.3	0.7	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Barium	**171**		0.824	0.181	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Beryllium	**1.95**		0.329	0.046	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Cadmium	**0.156**	J	0.329	0.049	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Calcium	**2090**	B	82.4	5.4	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Chromium	**38.0**		0.824	0.329	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Cobalt	**26.8**		0.824	0.082	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Copper	**34.3**		1.6	0.3	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Iron	**44600**	B	16.5	1.8	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Lead	**14.9**		1.6	0.4	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Magnesium	**9580**		32.9	1.5	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Manganese	**476**	B	0.3	0.05	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Nickel	**48.8**		8.24	0.379	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-05 (SP-5-2-4 - Solid) - cont.						**Sampled: 12/06/10 11:50**		**Recvd: 12/06/10 17:15**		
Total Metals by SW 846 Series Methods - cont.										
Potassium	**2450**		49.4	32.9	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Sodium	**347**		231	21.4	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Vanadium	**47.4**		0.824	0.181	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Zinc	**100**	B	3.3	0.3	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Mercury	**0.0451**		0.0334	0.0135	mg/kg dry	1.00	12/08/10 12:24	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**60**		0.010	NR	%	1.00	12/07/10 15:26	MJM	10L0500	Dry Weight
Sample ID: RTL0572-06 (SP-6-2-4 - Solid)						**Sampled: 12/06/10 12:20**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B										
2-Butanone (MEK)	**28**	J	34	2.5	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Acetone	**120**		34	5.8	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Methylene Chloride	**31**		6.9	3.2	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
Anthracene	**22**	J	230	5.9	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Benzo(a)anthracene	**89**	J	230	4.0	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Benzo(a)pyrene	**85**	J	230	5.6	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Benzo(b)fluoranthene	**120**	J	230	4.5	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Benzo(ghi)perylene	**50**	J	230	2.8	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Benzo(k)fluoranthene	**37**	J	230	2.5	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Chrysene	**78**	J	230	2.3	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Fluoranthene	**190**	J	230	3.3	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Indeno(1,2,3-cd)pyrene	**40**	J	230	6.4	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Phenanthrene	**66**	J	230	4.8	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Pyrene	**130**	J	230	1.5	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Total Metals by SW 846 Series Methods										
Aluminum	**21000**	B	13.1	5.7	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Antimony	**1.0**	J	19.6	0.7	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Arsenic	**5.7**		2.6	0.5	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Barium	**130**		0.653	0.144	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Beryllium	**1.14**		0.261	0.037	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Cadmium	**0.251**	J	0.261	0.039	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Calcium	**5850**	B	65.3	4.3	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Chromium	**29.8**		0.653	0.261	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Cobalt	**14.6**		0.653	0.065	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Copper	**22.4**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Iron	**37900**	B	13.1	1.4	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Lead	**17.8**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Magnesium	**8000**		26.1	1.2	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Manganese	**266**	B	0.3	0.04	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Nickel	**34.3**		6.53	0.300	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Potassium	**2040**		39.2	26.1	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Sodium	**141**	J	183	17.0	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Vanadium	**39.6**		0.653	0.144	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Zinc	**84.5**	B	2.6	0.2	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B

PARS Environmental, Inc.
6A South Gold Drive
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-06 (SP-6-2-4 - Solid) - cont.						**Sampled: 12/06/10 12:20**		**Recvd: 12/06/10 17:15**		
Total Metals by SW 846 Series Methods - cont.										
Mercury	**0.0492**		0.0261	0.0106	mg/kg dry	1.00	12/08/10 12:26	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**72**		0.010	NR	%	1.00	12/07/10 15:28	MJM	10L0500	Dry Weight
Sample ID: RTL0572-07 (SP-7-4-6 - Solid)						**Sampled: 12/06/10 12:40**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B										
Acetone	**38**		31	5.2	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Methylene Chloride	**31**		6.2	2.8	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1260	**29**	QSU	21	9.9	ug/kg dry	1.00	12/08/10 18:01	tchro	10L0498	8082
Total Metals by SW 846 Series Methods										
Aluminum	**20500**	B	11.8	5.2	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Arsenic	**7.6**		2.4	0.5	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Barium	**179**		0.588	0.129	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Beryllium	**1.12**		0.235	0.033	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Cadmium	**0.185**	J	0.235	0.035	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Calcium	**10700**	B	58.8	3.9	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Chromium	**29.5**		0.588	0.235	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Cobalt	**18.2**		0.588	0.059	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Copper	**33.0**		1.2	0.2	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Iron	**35300**	B	11.8	1.3	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Lead	**14.4**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Magnesium	**14800**		23.5	1.1	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Manganese	**2470**	D08, B	1.2	0.2	mg/kg dry	5.00	12/09/10 11:24	AMH	10L0535	6010B
Nickel	**42.4**		5.88	0.270	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Potassium	**1980**		35.3	23.5	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Sodium	**294**		165	15.3	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Vanadium	**38.7**		0.588	0.129	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Zinc	**69.5**	B	2.4	0.2	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Mercury	**0.0341**		0.0248	0.0101	mg/kg dry	1.00	12/08/10 12:28	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**79**		0.010	NR	%	1.00	12/07/10 15:30	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-08 (SP-8-4-6 - Solid)					**Sampled: 12/06/10 13:00**		**Recvd: 12/06/10 17:15**			
Volatile Organic Compounds by EPA 8260B										
Acetone	**38**		30	5.1	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Methylene Chloride	**30**		6.1	2.8	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Total Metals by SW 846 Series Methods										
Aluminum	**17400**	B	11.9	5.3	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Arsenic	**5.7**		2.4	0.5	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Barium	**41.2**		0.597	0.131	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Beryllium	**0.903**		0.239	0.033	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Cadmium	**0.182**	J	0.239	0.036	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Calcium	**49300**	B	59.7	3.9	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Chromium	**24.1**		0.597	0.239	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Cobalt	**13.3**		0.597	0.060	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Copper	**24.7**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Iron	**29300**	B	11.9	1.3	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Lead	**9.7**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Magnesium	**14000**		23.9	1.1	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Manganese	**475**	B	0.2	0.04	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Nickel	**34.6**		5.97	0.275	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Potassium	**2260**		35.8	23.9	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Sodium	**322**		167	15.5	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Vanadium	**32.1**		0.597	0.131	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Zinc	**61.7**	B	2.4	0.2	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
General Chemistry Parameters										
Percent Solids	**81**		0.010	NR	%	1.00	12/07/10 15:32	MJM	10L0500	Dry Weight
Sample ID: RTL0572-09 (SP-9-2-4 - Solid)					**Sampled: 12/06/10 13:40**		**Recvd: 12/06/10 17:15**			
Volatile Organic Compounds by EPA 8260B										
2-Butanone (MEK)	**27**	J	32	2.3	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Acetone	**100**		32	5.4	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Methylene Chloride	**27**		6.4	2.9	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
Bis(2-ethylhexyl) phthalate	**100**	J	210	68	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Total Metals by SW 846 Series Methods										
Aluminum	**23500**	B	12.2	5.4	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Arsenic	**3.4**		2.4	0.5	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Barium	**106**		0.612	0.135	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Beryllium	**1.15**		0.245	0.034	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Cadmium	**0.153**	J	0.245	0.037	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Calcium	**1570**	B	61.2	4.0	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Chromium	**30.8**		0.612	0.245	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Cobalt	**23.1**		0.612	0.061	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Copper	**30.7**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Iron	**31600**	B1, B	12.2	1.3	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Lead	**7.5**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B

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Work Order: RTL0572

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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-09 (SP-9-2-4 - Solid) - cont.						**Sampled: 12/06/10 13:40**		**Recvd: 12/06/10 17:15**		
Total Metals by SW 846 Series Methods - cont.										
Magnesium	**8100**		24.5	1.1	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Manganese	**432**	B	0.2	0.04	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Nickel	**37.7**		6.12	0.282	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Potassium	**1700**		36.7	24.5	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Sodium	**150**	J	171	15.9	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Vanadium	**32.3**		0.612	0.135	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Zinc	**74.0**	B	2.4	0.2	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Mercury	**0.0218**	J	0.0240	0.0097	mg/kg dry	1.00	12/08/10 12:36	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**78**		0.010	NR	%	1.00	12/07/10 15:34	MJM	10L0500	Dry Weight
Sample ID: RTL0572-10 (SP-10-2-4 - Solid)						**Sampled: 12/06/10 14:15**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B										
2-Butanone (MEK)	**8.9**	J	31	2.3	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Acetone	**45**		31	5.2	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Methylene Chloride	**24**		6.2	2.8	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
Benzo(b)fluoranthene	**13**	ID4, J	210	4.0	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Fluoranthene	**22**	J	210	3.0	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Pyrene	**14**	J	210	1.3	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Total Metals by SW 846 Series Methods										
Aluminum	**9870**	B	12.1	5.3	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Arsenic	**1.9**	J	2.4	0.5	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Barium	**71.9**		0.603	0.133	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Beryllium	**0.456**		0.241	0.034	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Cadmium	**0.157**	J	0.241	0.036	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Calcium	**3040**	B	60.3	4.0	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Chromium	**11.2**		0.603	0.241	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Cobalt	**2.40**		0.603	0.060	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Copper	**7.1**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Iron	**8600**	B1, B	12.1	1.3	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Lead	**11.7**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Magnesium	**2130**		24.1	1.1	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Manganese	**84.0**	B	0.2	0.04	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Nickel	**9.53**		6.03	0.277	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Potassium	**1240**		36.2	24.1	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Sodium	**111**	J	169	15.7	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Vanadium	**9.58**		0.603	0.133	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Zinc	**30.1**	B	2.4	0.2	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Mercury	**0.0685**		0.0240	0.0097	mg/kg dry	1.00	12/08/10 12:37	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**79**		0.010	NR	%	1.00	12/07/10 15:36	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-11 (SP-11-2-4 - Solid)						**Sampled: 12/06/10 14:35**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B										
Acetone	**48**		33	5.5	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Methylene Chloride	**38**		6.6	3.0	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
Benzo(a)anthracene	**16**	J	220	3.8	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Benzo(b)fluoranthene	**14**	ID4, J	220	4.2	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Fluoranthene	**33**	J	220	3.1	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Phenanthrene	**25**	J	220	4.6	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Pyrene	**24**	J	220	1.4	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1254	**51**	QSU	21	4.5	ug/kg dry	1.00	12/08/10 19:00	tchro	10L0498	8082
Aroclor 1260	**25**	QSU	21	10	ug/kg dry	1.00	12/08/10 19:00	tchro	10L0498	8082
Total Metals by SW 846 Series Methods										
Aluminum	**13600**	B	12.9	5.7	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Arsenic	**2.1**	J	2.6	0.5	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Barium	**84.2**		0.645	0.142	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Beryllium	**0.583**		0.258	0.036	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Cadmium	**0.169**	J	0.258	0.039	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Calcium	**4300**	B	64.5	4.3	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Chromium	**15.0**		0.645	0.258	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Cobalt	**3.28**		0.645	0.065	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Copper	**7.3**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Iron	**16100**	B1, B	12.9	1.4	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Lead	**8.5**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Magnesium	**2850**		25.8	1.2	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Manganese	**162**	B	0.3	0.04	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Nickel	**11.5**		6.45	0.297	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Potassium	**1460**		38.7	25.8	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Sodium	**112**	J	181	16.8	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Vanadium	**12.5**		0.645	0.142	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Zinc	**35.9**	B	2.6	0.2	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Mercury	**0.0703**		0.0269	0.0109	mg/kg dry	1.00	12/08/10 12:39	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**76**		0.010	NR	%	1.00	12/07/10 15:38	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-12 (DUP-1 - Solid)					**Sampled: 12/06/10**			**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B										
Acetone	**49**		27	4.6	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Methylene Chloride	**20**		5.4	2.5	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Total Metals by SW 846 Series Methods										
Aluminum	**15300**	B	11.0	4.8	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Arsenic	**3.7**		2.2	0.4	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Barium	**89.4**		0.548	0.121	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Beryllium	**0.771**		0.219	0.031	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Cadmium	**0.151**	J	0.219	0.033	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Calcium	**44100**	B	54.8	3.6	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Chromium	**22.0**		0.548	0.219	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Cobalt	**14.3**		0.548	0.055	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Copper	**21.1**		1.1	0.2	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Iron	**25100**	B1, B	11.0	1.2	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Lead	**8.0**		1.1	0.3	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Magnesium	**12200**		21.9	1.0	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Manganese	**587**	B	0.2	0.04	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Nickel	**33.3**		5.48	0.252	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Potassium	**2240**		32.9	21.9	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Sodium	**278**		154	14.3	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Vanadium	**26.8**		0.548	0.121	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Zinc	**56.6**	B	2.2	0.2	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Mercury	**0.0100**	J	0.0207	0.0084	mg/kg dry	1.00	12/08/10 12:41	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**91**		0.010	NR	%	1.00	12/07/10 15:40	MJM	10L0500	Dry Weight
Sample ID: RTL0572-13 (SP-12-6-10 - Solid)					**Sampled: 12/06/10 15:20**			**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B										
1,2,4-Trimethylbenzene	**11**		6.8	1.3	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	**2.9**	J	6.8	0.44	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Acetone	**44**		34	5.8	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Ethylbenzene	**5.3**	J	6.8	0.47	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Isopropylbenzene	**1.5**	J	6.8	1.0	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Methylene Chloride	**25**		6.8	3.1	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Naphthalene	**230**		6.8	0.92	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Xylenes, total	**15**		14	1.1	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
Benzo(a)anthracene	**18**	J	230	4.0	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Chrysene	**17**	J	230	2.3	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Fluoranthene	**33**	J	230	3.3	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Naphthalene	**690**		230	3.8	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Phenanthrene	**33**	J	230	4.8	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Pyrene	**23**	J	230	1.5	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Total Metals by SW 846 Series Methods										
Aluminum	**21100**	B	13.5	5.9	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-13 (SP-12-6-10 - Solid) - cont.						**Sampled: 12/06/10 15:20**		**Recvd: 12/06/10 17:15**		
Total Metals by SW 846 Series Methods - cont.										
Arsenic	**4.8**		2.7	0.5	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Barium	**152**		0.674	0.148	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Beryllium	**1.27**		0.270	0.038	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Cadmium	**0.146**	J	0.270	0.040	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Calcium	**18900**	B	67.4	4.5	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Chromium	**29.8**		0.674	0.270	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Cobalt	**19.3**		0.674	0.067	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Copper	**30.4**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Iron	**34500**	B1, B	13.5	1.5	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Lead	**16.6**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Magnesium	**10800**		27.0	1.3	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Manganese	**782**	B	0.3	0.04	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Nickel	**42.8**		6.74	0.310	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Potassium	**2180**		40.5	27.0	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Sodium	**341**		189	17.5	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Vanadium	**38.1**		0.674	0.148	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Zinc	**72.1**	B	2.7	0.2	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Mercury	**0.0394**		0.0266	0.0108	mg/kg dry	1.00	12/08/10 12:42	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**73**		0.010	NR	%	1.00	12/07/10 15:42	MJM	10L0500	Dry Weight

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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
SP-1-5-7	RTL0572-01	Solid	12/06/10 09:05	12/06/10 17:15	
SP-2-6-8	RTL0572-02	Solid	12/06/10 09:40	12/06/10 17:15	
SP-3-4-6	RTL0572-03	Solid	12/06/10 10:10	12/06/10 17:15	
SP-4-2-4	RTL0572-04	Solid	12/06/10 10:40	12/06/10 17:15	
SP-5-2-4	RTL0572-05	Solid	12/06/10 11:50	12/06/10 17:15	
SP-6-2-4	RTL0572-06	Solid	12/06/10 12:20	12/06/10 17:15	
SP-7-4-6	RTL0572-07	Solid	12/06/10 12:40	12/06/10 17:15	
SP-8-4-6	RTL0572-08	Solid	12/06/10 13:00	12/06/10 17:15	
SP-9-2-4	RTL0572-09	Solid	12/06/10 13:40	12/06/10 17:15	
SP-10-2-4	RTL0572-10	Solid	12/06/10 14:15	12/06/10 17:15	
SP-11-2-4	RTL0572-11	Solid	12/06/10 14:35	12/06/10 17:15	
DUP-1	RTL0572-12	Solid	12/06/10	12/06/10 17:15	
SP-12-6-10	RTL0572-13	Solid	12/06/10 15:20	12/06/10 17:15	

PARS Environmental, Inc.
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-01 (SP-1-5-7 - Solid) — **Sampled: 12/06/10 09:05** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.4	0.39	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,1,2,2-Tetrachloroethane	ND		5.4	0.88	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,1,2-Trichloroethane	ND		5.4	0.70	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		5.4	1.2	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,1-Dichloroethane	ND		5.4	0.66	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,1-Dichloroethene	ND		5.4	0.66	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,2,4-Trimethylbenzene	**1.4**	J	5.4	1.0	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,2-Dibromo-3-chloropropane	ND		5.4	2.7	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,2-Dibromoethane (EDB)	ND		5.4	0.69	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,2-Dichlorobenzene	ND		5.4	0.42	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,2-Dichloroethane	ND		5.4	0.27	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,2-Dichloropropane	ND		5.4	2.7	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	ND		5.4	0.35	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,3-Dichlorobenzene	ND		5.4	0.28	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,4-Dichlorobenzene	ND		5.4	0.76	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
2-Butanone (MEK)	ND		27	2.0	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
2-Hexanone	ND		27	2.7	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
4-Isopropyltoluene	ND		5.4	0.43	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Acetone	**7.1**	J	27	4.5	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Benzene	ND		5.4	0.26	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Bromodichloromethane	ND		5.4	0.72	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Bromoform	ND		5.4	2.7	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Bromomethane	ND		5.4	0.49	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Carbon disulfide	ND		5.4	2.7	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Carbon Tetrachloride	ND		5.4	0.52	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Chlorobenzene	ND		5.4	0.71	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Chlorodibromomethane	ND		5.4	0.69	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Chloroethane	ND		5.4	1.2	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Chloroform	ND		5.4	0.33	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Chloromethane	ND		5.4	0.33	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Cyclohexane	ND		5.4	0.76	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Dichlorodifluoromethane	ND		5.4	0.45	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Ethylbenzene	ND		5.4	0.37	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Isopropylbenzene	ND		5.4	0.81	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Methyl Acetate	ND		5.4	1.0	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Methyl tert-Butyl Ether	ND		5.4	0.53	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Methylcyclohexane	ND		5.4	0.82	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Methylene Chloride	**25**		5.4	2.5	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Naphthalene	ND		5.4	0.72	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
n-Butylbenzene	ND		5.4	0.47	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
n-Propylbenzene	ND		5.4	0.43	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
sec-Butylbenzene	ND		5.4	0.47	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Styrene	ND		5.4	0.27	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B

PARS Environmental, Inc.
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-01 (SP-1-5-7 - Solid) - cont.						**Sampled: 12/06/10 09:05**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		5.4	0.56	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Tetrachloroethene	ND		5.4	0.72	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Toluene	ND		5.4	0.41	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Trichloroethene	ND		5.4	1.2	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Trichlorofluoromethane	ND		5.4	0.51	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Vinyl chloride	ND		5.4	0.66	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Xylenes, total	ND		11	0.91	ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
1,2-Dichloroethane-d4	*108 %*		*Surr Limits: (64-126%)*				*12/08/10 13:44*	*PJQ*	*10L0624*	*8260B*
4-Bromofluorobenzene	*104 %*		*Surr Limits: (72-126%)*				*12/08/10 13:44*	*PJQ*	*10L0624*	*8260B*
Toluene-d8	*104 %*		*Surr Limits: (71-125%)*				*12/08/10 13:44*	*PJQ*	*10L0624*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Benzene, 1,2,3,4-tetramethyl- (000488-23-3)	**8.4**		Ret Time: 11.785		ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Hexane (110-54-3)	**7.9**		Ret Time: 4.144		ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Indan, 1-methyl- (000767-58-8)	**10**		Ret Time: 12.217		ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Unknown01 (none)	**6.9**		Ret Time: 12.473		ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Unknown02 (none)	**7.9**		Ret Time: 12.588		ug/kg dry	1.00	12/08/10 13:44	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		190	40	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2,4,6-Trichlorophenol	ND		190	12	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2,4-Dichlorophenol	ND		190	9.7	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2,4-Dimethylphenol	ND		190	50	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2,4-Dinitrophenol	ND		360	65	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2,4-Dinitrotoluene	ND		190	29	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2,6-Dinitrotoluene	ND		190	45	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2-Chloronaphthalene	ND		190	12	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2-Chlorophenol	ND		190	9.4	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2-Methylnaphthalene	ND		190	2.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2-Methylphenol	ND		190	5.7	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2-Nitroaniline	ND		360	59	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2-Nitrophenol	ND		190	8.4	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
3,3'-Dichlorobenzidine	ND		190	160	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
3-Nitroaniline	ND		360	42	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND		360	64	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
4-Bromophenyl phenyl ether	ND		190	59	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
4-Chloro-3-methylphenol	ND		190	7.6	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
4-Chloroaniline	ND		190	54	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
4-Chlorophenyl phenyl ether	ND		190	3.9	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
4-Methylphenol	ND		360	10	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
4-Nitroaniline	ND		360	21	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
4-Nitrophenol	ND		360	45	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-01 (SP-1-5-7 - Solid) - cont. **Sampled: 12/06/10 09:05** **Recvd: 12/06/10 17:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Acenaphthene	ND		190	2.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Acenaphthylene	ND		190	1.5	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Acetophenone	ND		190	9.5	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Anthracene	ND		190	4.7	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Atrazine	ND		190	8.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Benzaldehyde	ND		190	20	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Benzo(a)anthracene	**20**	J	190	3.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Benzo(a)pyrene	**23**	J	190	4.5	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Benzo(b)fluoranthene	**34**	J	190	3.6	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Benzo(ghi)perylene	**26**	J	190	2.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Benzo(k)fluoranthene	**12**	J	190	2.0	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Biphenyl	ND		190	12	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Bis(2-chloroethoxy)methane	ND		190	10	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Bis(2-chloroethyl)ether	ND		190	16	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND		190	19	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Bis(2-ethylhexyl) phthalate	ND		190	59	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Butyl benzyl phthalate	ND		190	50	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Caprolactam	ND		190	80	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Carbazole	ND		190	2.1	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Chrysene	**27**	J	190	1.8	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Dibenzo(a,h)anthracene	ND		190	2.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Dibenzofuran	ND		190	1.9	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Diethyl phthalate	ND		190	5.6	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Dimethyl phthalate	ND		190	4.8	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Di-n-butyl phthalate	ND		190	64	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Di-n-octyl phthalate	ND		190	4.3	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Fluoranthene	**51**	J	190	2.7	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Fluorene	**17**	J	190	4.3	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Hexachlorobenzene	ND		190	9.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Hexachlorobutadiene	ND		190	9.4	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Hexachlorocyclopentadiene	ND		190	56	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Hexachloroethane	ND		190	14	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Indeno(1,2,3-cd)pyrene	**19**	J	190	5.1	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Isophorone	ND		190	9.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Naphthalene	ND		190	3.1	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Nitrobenzene	ND		190	8.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
N-Nitrosodiphenylamine	ND		190	10	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Pentachlorophenol	ND		360	63	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Phenanthrene	**48**	J	190	3.9	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Phenol	ND		190	19	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Pyrene	**46**	J	190	1.2	ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C

2,4,6-Tribromophenol	*123 %*	*Surr Limits: (39-146%)*	*12/08/10 10:24*	*MKP*	*10L0497*	*8270C*
2-Fluorobiphenyl	*92 %*	*Surr Limits: (37-120%)*	*12/08/10 10:24*	*MKP*	*10L0497*	*8270C*
2-Fluorophenol	*79 %*	*Surr Limits: (18-120%)*	*12/08/10 10:24*	*MKP*	*10L0497*	*8270C*
Nitrobenzene-d5	*94 %*	*Surr Limits: (34-132%)*	*12/08/10 10:24*	*MKP*	*10L0497*	*8270C*

PARS Environmental, Inc.
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-01 (SP-1-5-7 - Solid) - cont. **Sampled: 12/06/10 09:05** **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Phenol-d5	*88 %*		*Surr Limits: (11-120%)*				*12/08/10 10:24*	*MKP*	*10L0497*	*8270C*
p-Terphenyl-d14	*87 %*		*Surr Limits: (58-147%)*				*12/08/10 10:24*	*MKP*	*10L0497*	*8270C*
Semivolatile Organics TICs by GC/MS										
Unknown01 (none)	**150**		Ret Time: 7.58		ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Unknown02 (none)	**250**		Ret Time: 8.098		ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Unknown03 (none)	**150**		Ret Time: 8.296		ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Unknown04 (none)	**300**		Ret Time: 9.343		ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Unknown05 (none)	**350**		Ret Time: 10.4		ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Unknown06 (none)	**350**		Ret Time: 10.684		ug/kg dry	1.00	12/08/10 10:24	MKP	10L0497	8270C
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016	ND	QSU,C	18	3.6	ug/kg dry	1.00	12/08/10 16:03	tchro	10L0498	8082
Aroclor 1221	ND	QSU	18	3.6	ug/kg dry	1.00	12/08/10 16:03	tchro	10L0498	8082
Aroclor 1232	ND	QSU	18	3.6	ug/kg dry	1.00	12/08/10 16:03	tchro	10L0498	8082
Aroclor 1242	ND	QSU	18	4.0	ug/kg dry	1.00	12/08/10 16:03	tchro	10L0498	8082
Aroclor 1248	ND	QSU	18	3.6	ug/kg dry	1.00	12/08/10 16:03	tchro	10L0498	8082
Aroclor 1254	ND	QSU	18	3.9	ug/kg dry	1.00	12/08/10 16:03	tchro	10L0498	8082
Aroclor 1260	ND	QSU	18	8.6	ug/kg dry	1.00	12/08/10 16:03	tchro	10L0498	8082
Decachlorobiphenyl	*96 %*	*QSU*	*Surr Limits: (34-148%)*				*12/08/10 16:03*	*tchro*	*10L0498*	*8082*
Tetrachloro-m-xylene	*86 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 16:03*	*tchro*	*10L0498*	*8082*
Total Metals by SW 846 Series Methods										
Aluminum	**2290**	B	10.9	4.8	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Antimony	ND		16.3	0.6	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Arsenic	**2.0**	J	2.2	0.4	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Barium	**11.6**		0.544	0.120	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Beryllium	**0.115**	J	0.218	0.030	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Cadmium	**0.186**	J	0.218	0.033	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Calcium	**95000**	D08, B	272	18.0	mg/kg dry	5.00	12/09/10 11:16	AMH	10L0535	6010B
Chromium	**3.45**		0.544	0.218	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Cobalt	**2.03**		0.544	0.054	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Copper	**8.7**		1.1	0.2	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Iron	**5690**	B	10.9	1.2	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Lead	**8.0**		1.1	0.3	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Magnesium	**50500**	D08	109	5.0	mg/kg dry	5.00	12/09/10 11:16	AMH	10L0535	6010B
Manganese	**298**	B	0.2	0.03	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Nickel	**5.24**	J	5.44	0.250	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Potassium	**485**		32.6	21.8	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Selenium	ND		4.4	0.6	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Silver	ND		0.544	0.218	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Sodium	**151**	J	152	14.1	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Thallium	ND		6.5	0.3	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Vanadium	**6.11**		0.544	0.120	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Zinc	**44.6**	B	2.2	0.2	mg/kg dry	1.00	12/09/10 10:11	AMH	10L0535	6010B
Mercury	ND		0.0222	0.0090	mg/kg dry	1.00	12/08/10 12:17	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	12/07/10 15:18	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-02 (SP-2-6-8 - Solid) — **Sampled: 12/06/10 09:40** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.0	0.44	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,1,2,2-Tetrachloroethane	ND		6.0	0.98	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,1,2-Trichloroethane	ND		6.0	0.78	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		6.0	1.4	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,1-Dichloroethane	ND		6.0	0.74	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,1-Dichloroethene	ND		6.0	0.74	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,2,4-Trichlorobenzene	ND		6.0	0.37	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,2,4-Trimethylbenzene	**130**		6.0	1.2	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,2-Dibromo-3-chloropropane	ND		6.0	3.0	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,2-Dibromoethane (EDB)	ND		6.0	0.77	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,2-Dichlorobenzene	ND		6.0	0.47	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,2-Dichloroethane	ND		6.0	0.30	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,2-Dichloropropane	ND		6.0	3.0	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,3,5-Trimethylbenzene	**29**		6.0	0.39	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,3-Dichlorobenzene	ND		6.0	0.31	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,4-Dichlorobenzene	ND		6.0	0.84	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
2-Butanone (MEK)	ND		30	2.2	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
2-Hexanone	ND		30	3.0	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
4-Isopropyltoluene	**7.5**		6.0	0.48	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
4-Methyl-2-pentanone (MIBK)	ND		30	2.0	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Acetone	ND		30	5.1	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Benzene	ND		6.0	0.30	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Bromodichloromethane	ND		6.0	0.81	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Bromoform	ND		6.0	3.0	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Bromomethane	ND		6.0	0.54	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Carbon disulfide	ND		6.0	3.0	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Carbon Tetrachloride	ND		6.0	0.58	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Chlorobenzene	ND		6.0	0.80	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Chlorodibromomethane	ND		6.0	0.77	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Chloroethane	ND		6.0	1.4	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Chloroform	ND		6.0	0.37	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Chloromethane	ND		6.0	0.36	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
cis-1,2-Dichloroethene	ND		6.0	0.77	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
cis-1,3-Dichloropropene	ND		6.0	0.87	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Cyclohexane	ND		6.0	0.84	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Dichlorodifluoromethane	ND		6.0	0.50	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Ethylbenzene	**31**		6.0	0.42	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Isopropylbenzene	**10**		6.0	0.91	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Methyl Acetate	ND		6.0	1.1	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Methyl tert-Butyl Ether	ND		6.0	0.59	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Methylcyclohexane	**66**		6.0	0.92	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Methylene Chloride	**12**		6.0	2.8	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Naphthalene	**24**		6.0	0.81	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
n-Butylbenzene	**13**		6.0	0.52	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
n-Propylbenzene	**42**		6.0	0.48	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
sec-Butylbenzene	**5.3**	J	6.0	0.52	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Styrene	ND		6.0	0.30	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-02 (SP-2-6-8 - Solid) - cont.						**Sampled: 12/06/10 09:40**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		6.0	0.63	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Tetrachloroethene	ND		6.0	0.81	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Toluene	ND		6.0	0.46	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
trans-1,2-Dichloroethene	ND		6.0	0.62	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
trans-1,3-Dichloropropene	ND		6.0	2.7	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Trichloroethene	ND		6.0	1.3	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Trichlorofluoromethane	ND		6.0	0.57	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Vinyl chloride	ND		6.0	0.74	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Xylenes, total	**23**		12	1.0	ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
1,2-Dichloroethane-d4	*111 %*		*Surr Limits: (64-126%)*				*12/09/10 00:02*	*CDC*	*10L0699*	*8260B*
4-Bromofluorobenzene	*90 %*		*Surr Limits: (72-126%)*				*12/09/10 00:02*	*CDC*	*10L0699*	*8260B*
Toluene-d8	*91 %*		*Surr Limits: (71-125%)*				*12/09/10 00:02*	*CDC*	*10L0699*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Cyclopentane, methyl- (000096-37-7)	**110**		Ret Time: 4.686		ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Heptane (142-82-5)	**200**		Ret Time: 5.605		ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Heptane, 3-methyl- (000589-81-1)	**150**		Ret Time: 6.779		ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Hexane (110-54-3)	**160**		Ret Time: 4.145		ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Hexane, 2-methyl- (000591-76-4)	**240**		Ret Time: 5.106		ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Pentane, 2,3,4-trimethyl- (000565-75-3)	**120**		Ret Time: 6.499		ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Pentane, 2-methyl- (000107-83-5)	**390**		Ret Time: 3.755		ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Pentane, 3-methyl- (000096-14-0)	**200**		Ret Time: 3.956		ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Unknown01 (none)	**280**		Ret Time: 5.258		ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Unknown02 (none)	**290**		Ret Time: 6.633		ug/kg dry	1.00	12/09/10 00:02	CDC	10L0699	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		210	45	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2,4,6-Trichlorophenol	ND		210	14	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2,4-Dichlorophenol	ND		210	11	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2,4-Dimethylphenol	ND		210	56	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2,4-Dinitrophenol	ND		400	72	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2,4-Dinitrotoluene	ND		210	32	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2,6-Dinitrotoluene	ND		210	51	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2-Chloronaphthalene	ND		210	14	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2-Chlorophenol	ND		210	11	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2-Methylnaphthalene	**410**		210	2.5	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2-Methylphenol	ND		210	6.4	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2-Nitroaniline	ND		400	66	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2-Nitrophenol	ND		210	9.5	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
3,3'-Dichlorobenzidine	ND		210	180	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
3-Nitroaniline	ND		400	48	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND		400	72	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C

PARS Environmental, Inc.
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-02 (SP-2-6-8 - Solid) - cont. **Sampled: 12/06/10 09:40** **Recvd: 12/06/10 17:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Bromophenyl phenyl ether	ND		210	66	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
4-Chloro-3-methylphenol	ND		210	8.5	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
4-Chloroaniline	ND		210	61	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
4-Chlorophenyl phenyl ether	ND		210	4.4	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
4-Methylphenol	ND		400	12	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
4-Nitroaniline	ND		400	23	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
4-Nitrophenol	ND		400	50	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Acenaphthene	**25**	J	210	2.4	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Acenaphthylene	ND		210	1.7	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Acetophenone	ND		210	11	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Anthracene	**50**	J	210	5.3	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Atrazine	ND		210	9.2	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Benzaldehyde	ND		210	23	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Benzo(a)anthracene	**91**	J	210	3.6	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Benzo(a)pyrene	**85**	J	210	5.0	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Benzo(b)fluoranthene	**110**	J	210	4.0	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Benzo(ghi)perylene	**51**	J	210	2.5	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Benzo(k)fluoranthene	**39**	J	210	2.3	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Biphenyl	**32**	J	210	13	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Bis(2-chloroethoxy)methane	ND		210	11	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Bis(2-chloroethyl)ether	ND		210	18	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND		210	22	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Bis(2-ethylhexyl) phthalate	ND		210	67	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Butyl benzyl phthalate	ND		210	56	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Caprolactam	ND		210	90	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Carbazole	ND		210	2.4	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Chrysene	**94**	J	210	2.1	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Dibenzo(a,h)anthracene	ND		210	2.4	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Dibenzofuran	ND		210	2.2	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Diethyl phthalate	ND		210	6.3	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Dimethyl phthalate	ND		210	5.4	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Di-n-butyl phthalate	ND		210	72	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Di-n-octyl phthalate	ND		210	4.8	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Fluoranthene	**210**		210	3.0	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Fluorene	**39**	J	210	4.8	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Hexachlorobenzene	ND		210	10	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Hexachlorobutadiene	ND		210	11	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Hexachlorocyclopentadiene	ND		210	63	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Hexachloroethane	ND		210	16	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Indeno(1,2,3-cd)pyrene	**38**	J	210	5.7	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Isophorone	ND		210	10	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Naphthalene	**410**		210	3.4	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Nitrobenzene	ND		210	9.2	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
N-Nitrosodi-n-propylamine	ND		210	16	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C

PARS Environmental, Inc.
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-02 (SP-2-6-8 - Solid) - cont.						**Sampled: 12/06/10 09:40**		**Recvd: 12/06/10 17:15**		
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodiphenylamine	ND		210	11	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Pentachlorophenol	ND		400	71	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Phenanthrene	**170**	J	210	4.3	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Phenol	ND		210	22	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Pyrene	**180**	J	210	1.3	ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
2,4,6-Tribromophenol	*115 %*		*Surr Limits: (39-146%)*				*12/08/10 10:46*	*MKP*	*10L0497*	*8270C*
2-Fluorobiphenyl	*91 %*		*Surr Limits: (37-120%)*				*12/08/10 10:46*	*MKP*	*10L0497*	*8270C*
2-Fluorophenol	*79 %*		*Surr Limits: (18-120%)*				*12/08/10 10:46*	*MKP*	*10L0497*	*8270C*
Nitrobenzene-d5	*89 %*		*Surr Limits: (34-132%)*				*12/08/10 10:46*	*MKP*	*10L0497*	*8270C*
Phenol-d5	*87 %*		*Surr Limits: (11-120%)*				*12/08/10 10:46*	*MKP*	*10L0497*	*8270C*
p-Terphenyl-d14	*84 %*		*Surr Limits: (58-147%)*				*12/08/10 10:46*	*MKP*	*10L0497*	*8270C*
Semivolatile Organics TICs by GC/MS										
Benzene, propyl- (000103-65-1)	**1100**		Ret Time: 5.352		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown01 (none)	**900**		Ret Time: 5.422		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown02 (none)	**990**		Ret Time: 5.464		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown03 (none)	**1200**		Ret Time: 5.63		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown04 (none)	**2300**		Ret Time: 5.796		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown05 (none)	**800**		Ret Time: 6.079		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown06 (none)	**690**		Ret Time: 6.218		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown07 (none)	**910**		Ret Time: 6.319		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown08 (none)	**1600**		Ret Time: 6.399		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown09 (none)	**500**		Ret Time: 6.49		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown10 (none)	**1200**		Ret Time: 6.581		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown11 (none)	**560**		Ret Time: 6.608		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown12 (none)	**810**		Ret Time: 6.944		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown13 (none)	**860**		Ret Time: 6.98		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown14 (none)	**630**		Ret Time: 7.158		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown15 (none)	**1500**		Ret Time: 7.233		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown16 (none)	**840**		Ret Time: 8.488		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown17 (none)	**620**		Ret Time: 9.113		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown18 (none)	**620**		Ret Time: 9.204		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Unknown19 (none)	**520**		Ret Time: 9.973		ug/kg dry	1.00	12/08/10 10:46	MKP	10L0497	8270C
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016	ND	QSU,C	20	3.9	ug/kg dry	1.00	12/08/10 16:18	tchro	10L0498	8082
Aroclor 1221	ND	QSU	20	3.9	ug/kg dry	1.00	12/08/10 16:18	tchro	10L0498	8082
Aroclor 1232	ND	QSU	20	3.9	ug/kg dry	1.00	12/08/10 16:18	tchro	10L0498	8082
Aroclor 1242	ND	QSU	20	4.4	ug/kg dry	1.00	12/08/10 16:18	tchro	10L0498	8082
Aroclor 1248	ND	QSU	20	4.0	ug/kg dry	1.00	12/08/10 16:18	tchro	10L0498	8082
Aroclor 1254	ND	QSU	20	4.3	ug/kg dry	1.00	12/08/10 16:18	tchro	10L0498	8082
Aroclor 1260	ND	QSU	20	9.4	ug/kg dry	1.00	12/08/10 16:18	tchro	10L0498	8082
Decachlorobiphenyl	*102 %*	*QSU*	*Surr Limits: (34-148%)*				*12/08/10 16:18*	*tchro*	*10L0498*	*8082*
Tetrachloro-m-xylene	*103 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 16:18*	*tchro*	*10L0498*	*8082*

PARS Environmental, Inc.
6A South Gold Drive
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-02 (SP-2-6-8 - Solid) - cont.						**Sampled: 12/06/10 09:40**		**Recvd: 12/06/10 17:15**		
Total Metals by SW 846 Series Methods										
Aluminum	**2460**	B	11.7	5.1	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Antimony	ND		17.5	0.6	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Arsenic	**4.8**		2.3	0.5	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Barium	**14.0**		0.584	0.128	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Beryllium	**0.105**	J	0.234	0.033	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Cadmium	**0.169**	J	0.234	0.035	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Calcium	**78300**	D08, B	292	19.3	mg/kg dry	5.00	12/09/10 11:18	AMH	10L0535	6010B
Chromium	**7.12**		0.584	0.234	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Cobalt	**1.96**		0.584	0.058	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Copper	**6.1**		1.2	0.2	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Iron	**5360**	B	11.7	1.3	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Lead	**6.3**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Magnesium	**31200**		23.4	1.1	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Manganese	**222**	B	0.2	0.04	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Nickel	**5.04**	J	5.84	0.269	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Potassium	**659**		35.0	23.4	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Selenium	ND		4.7	0.7	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Silver	ND		0.584	0.234	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Sodium	**134**	J	163	15.2	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Thallium	ND		7.0	0.4	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Vanadium	**5.96**		0.584	0.128	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Zinc	**30.6**	B	2.3	0.2	mg/kg dry	1.00	12/09/10 10:14	AMH	10L0535	6010B
Mercury	ND		0.0231	0.0093	mg/kg dry	1.00	12/08/10 12:19	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**80**		0.010	NR	%	1.00	12/07/10 15:20	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-03 (SP-3-4-6 - Solid) — **Sampled: 12/06/10 10:10** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.6	0.48	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,1,2,2-Tetrachloroethane	ND		6.6	1.1	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,1,2-Trichloroethane	ND		6.6	0.86	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		6.6	1.5	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,1-Dichloroethane	ND		6.6	0.80	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,1-Dichloroethene	ND		6.6	0.81	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,2,4-Trichlorobenzene	ND		6.6	0.40	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,2,4-Trimethylbenzene	ND		6.6	1.3	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,2-Dibromo-3-chloropropane	ND		6.6	3.3	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,2-Dibromoethane (EDB)	ND		6.6	0.85	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,2-Dichlorobenzene	ND		6.6	0.52	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,2-Dichloroethane	ND		6.6	0.33	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,2-Dichloropropane	ND		6.6	3.3	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	ND		6.6	0.42	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,3-Dichlorobenzene	ND		6.6	0.34	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,4-Dichlorobenzene	ND		6.6	0.92	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
2-Butanone (MEK)	ND		33	2.4	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
2-Hexanone	ND		33	3.3	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
4-Isopropyltoluene	ND		6.6	0.53	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
4-Methyl-2-pentanone (MIBK)	ND		33	2.2	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Acetone	**31**	J	33	5.5	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Benzene	ND		6.6	0.32	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Bromodichloromethane	ND		6.6	0.88	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Bromoform	ND		6.6	3.3	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Bromomethane	ND		6.6	0.59	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Carbon disulfide	ND		6.6	3.3	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Carbon Tetrachloride	ND		6.6	0.64	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Chlorobenzene	ND		6.6	0.87	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Chlorodibromomethane	ND		6.6	0.84	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Chloroethane	ND		6.6	1.5	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Chloroform	ND		6.6	0.41	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Chloromethane	ND		6.6	0.40	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
cis-1,2-Dichloroethene	ND		6.6	0.84	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
cis-1,3-Dichloropropene	ND		6.6	0.95	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Cyclohexane	ND		6.6	0.92	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Dichlorodifluoromethane	ND		6.6	0.54	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Ethylbenzene	ND		6.6	0.45	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Isopropylbenzene	ND		6.6	0.99	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Methyl Acetate	ND		6.6	1.2	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Methyl tert-Butyl Ether	ND		6.6	0.65	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Methylcyclohexane	ND		6.6	1.0	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Methylene Chloride	**32**		6.6	3.0	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Naphthalene	ND		6.6	0.88	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
n-Butylbenzene	ND		6.6	0.57	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
n-Propylbenzene	ND		6.6	0.53	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
sec-Butylbenzene	ND		6.6	0.57	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Styrene	ND		6.6	0.33	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-03 (SP-3-4-6 - Solid) - cont.						**Sampled: 12/06/10 10:10**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		6.6	0.68	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Tetrachloroethene	ND		6.6	0.88	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Toluene	ND		6.6	0.50	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
trans-1,2-Dichloroethene	ND		6.6	0.68	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
trans-1,3-Dichloropropene	ND		6.6	2.9	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Trichloroethene	ND		6.6	1.4	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Trichlorofluoromethane	ND		6.6	0.62	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Vinyl chloride	ND		6.6	0.80	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Xylenes, total	**3.2**	J	13	1.1	ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
1,2-Dichloroethane-d4	*114 %*		*Surr Limits: (64-126%)*				*12/08/10 14:35*	*PJQ*	*10L0624*	*8260B*
4-Bromofluorobenzene	*105 %*		*Surr Limits: (72-126%)*				*12/08/10 14:35*	*PJQ*	*10L0624*	*8260B*
Toluene-d8	*108 %*		*Surr Limits: (71-125%)*				*12/08/10 14:35*	*PJQ*	*10L0624*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Hexane (110-54-3)	**14**		Ret Time: 4.145		ug/kg dry	1.00	12/08/10 14:35	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		220	48	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2,4,6-Trichlorophenol	ND		220	15	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2,4-Dichlorophenol	ND		220	12	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2,4-Dimethylphenol	ND		220	60	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2,4-Dinitrophenol	ND		430	78	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2,4-Dinitrotoluene	ND		220	34	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2,6-Dinitrotoluene	ND		220	54	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2-Chloronaphthalene	ND		220	15	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2-Chlorophenol	ND		220	11	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2-Methylnaphthalene	ND		220	2.7	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2-Methylphenol	ND		220	6.8	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2-Nitroaniline	ND		430	71	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2-Nitrophenol	ND		220	10	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
3,3'-Dichlorobenzidine	ND		220	190	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
3-Nitroaniline	ND		430	51	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND		430	77	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
4-Bromophenyl phenyl ether	ND		220	71	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
4-Chloro-3-methylphenol	ND		220	9.1	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
4-Chloroaniline	ND		220	65	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
4-Chlorophenyl phenyl ether	ND		220	4.7	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
4-Methylphenol	ND		430	12	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
4-Nitroaniline	ND		430	25	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
4-Nitrophenol	ND		430	54	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Acenaphthene	ND		220	2.6	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Acenaphthylene	ND		220	1.8	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Acetophenone	ND		220	11	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Anthracene	ND		220	5.7	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Atrazine	ND		220	9.9	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Benzaldehyde	ND		220	24	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Benzo(a)anthracene	ND		220	3.8	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-03 (SP-3-4-6 - Solid) - cont. **Sampled: 12/06/10 10:10** **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	ND		220	5.3	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Benzo(b)fluoranthene	ND		220	4.3	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Benzo(ghi)perylene	ND		220	2.7	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Benzo(k)fluoranthene	ND		220	2.4	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Biphenyl	ND		220	14	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Bis(2-chloroethoxy)methane	ND		220	12	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Bis(2-chloroethyl)ether	ND		220	19	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND		220	23	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Bis(2-ethylhexyl) phthalate	ND		220	71	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Butyl benzyl phthalate	ND		220	60	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Caprolactam	ND		220	96	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Carbazole	ND		220	2.6	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Chrysene	ND		220	2.2	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Dibenzo(a,h)anthracene	ND		220	2.6	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Dibenzofuran	ND		220	2.3	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Diethyl phthalate	ND		220	6.7	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Dimethyl phthalate	ND		220	5.8	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Di-n-butyl phthalate	ND		220	77	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Di-n-octyl phthalate	ND		220	5.2	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Fluoranthene	ND		220	3.2	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Fluorene	ND		220	5.1	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Hexachlorobenzene	ND		220	11	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Hexachlorobutadiene	ND		220	11	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Hexachlorocyclopentadiene	ND		220	67	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Hexachloroethane	ND		220	17	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Indeno(1,2,3-cd)pyrene	ND		220	6.1	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Isophorone	ND		220	11	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Naphthalene	ND		220	3.7	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Nitrobenzene	ND		220	9.8	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
N-Nitrosodi-n-propylamine	ND		220	18	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
N-Nitrosodiphenylamine	ND		220	12	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Pentachlorophenol	ND		430	76	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Phenanthrene	ND		220	4.7	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Phenol	ND		220	23	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Pyrene	ND		220	1.4	ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
2,4,6-Tribromophenol	*120 %*		*Surr Limits: (39-146%)*				*12/08/10 11:09*	*MKP*	*10L0497*	*8270C*
2-Fluorobiphenyl	*85 %*		*Surr Limits: (37-120%)*				*12/08/10 11:09*	*MKP*	*10L0497*	*8270C*
2-Fluorophenol	*76 %*		*Surr Limits: (18-120%)*				*12/08/10 11:09*	*MKP*	*10L0497*	*8270C*
Nitrobenzene-d5	*88 %*		*Surr Limits: (34-132%)*				*12/08/10 11:09*	*MKP*	*10L0497*	*8270C*
Phenol-d5	*84 %*		*Surr Limits: (11-120%)*				*12/08/10 11:09*	*MKP*	*10L0497*	*8270C*
p-Terphenyl-d14	*84 %*		*Surr Limits: (58-147%)*				*12/08/10 11:09*	*MKP*	*10L0497*	*8270C*
Semivolatile Organics TICs by GC/MS										
No TICs found (NOTICS)	ND				ug/kg dry	1.00	12/08/10 11:09	MKP	10L0497	8270C
Polychlorinated Biphenyls by EPA Method 8082										

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-03 (SP-3-4-6 - Solid) - cont.						**Sampled: 12/06/10 10:10**		**Recvd: 12/06/10 17:15**		
Polychlorinated Biphenyls by EPA Method 8082 - cont.										
Aroclor 1016	ND	QSU,C	22	4.3	ug/kg dry	1.00	12/08/10 16:33	tchro	10L0498	8082
Aroclor 1221	ND	QSU	22	4.3	ug/kg dry	1.00	12/08/10 16:33	tchro	10L0498	8082
Aroclor 1232	ND	QSU	22	4.3	ug/kg dry	1.00	12/08/10 16:33	tchro	10L0498	8082
Aroclor 1242	ND	QSU	22	4.8	ug/kg dry	1.00	12/08/10 16:33	tchro	10L0498	8082
Aroclor 1248	ND	QSU	22	4.3	ug/kg dry	1.00	12/08/10 16:33	tchro	10L0498	8082
Aroclor 1254	ND	QSU	22	4.7	ug/kg dry	1.00	12/08/10 16:33	tchro	10L0498	8082
Aroclor 1260	ND	QSU	22	10	ug/kg dry	1.00	12/08/10 16:33	tchro	10L0498	8082
Decachlorobiphenyl	*102 %*	*QSU*	*Surr Limits: (34-148%)*				*12/08/10 16:33*	*tchro*	*10L0498*	*8082*
Tetrachloro-m-xylene	*104 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 16:33*	*tchro*	*10L0498*	*8082*
Total Metals by SW 846 Series Methods										
Aluminum	**17600**	B	12.6	5.5	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Antimony	ND		18.9	0.7	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Arsenic	**6.4**		2.5	0.5	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Barium	**105**		0.628	0.138	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Beryllium	**0.950**		0.251	0.035	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Cadmium	**0.221**	J	0.251	0.038	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Calcium	**16800**	B	62.8	4.1	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Chromium	**23.5**		0.628	0.251	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Cobalt	**13.8**		0.628	0.063	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Copper	**23.1**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Iron	**26800**	B	12.6	1.4	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Lead	**13.4**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Magnesium	**10500**		25.1	1.2	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Manganese	**291**	B	0.3	0.04	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Nickel	**33.7**		6.28	0.289	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Potassium	**1600**		37.7	25.1	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Selenium	ND		5.0	0.7	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Silver	ND		0.628	0.251	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Sodium	**136**	J	176	16.3	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Thallium	ND		7.5	0.4	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Vanadium	**29.7**		0.628	0.138	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Zinc	**62.3**	B	2.5	0.2	mg/kg dry	1.00	12/09/10 10:16	AMH	10L0535	6010B
Mercury	**0.0132**	J	0.0246	0.0099	mg/kg dry	1.00	12/08/10 12:21	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**75**		0.010	NR	%	1.00	12/07/10 15:22	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-04 (SP-4-2-4 - Solid) — **Sampled: 12/06/10 10:40** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.3	0.46	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,1,2,2-Tetrachloroethane	ND		6.3	1.0	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,1,2-Trichloroethane	ND		6.3	0.82	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		6.3	1.4	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,1-Dichloroethane	ND		6.3	0.77	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,1-Dichloroethene	ND		6.3	0.77	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,2,4-Trichlorobenzene	ND		6.3	0.38	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,2,4-Trimethylbenzene	ND		6.3	1.2	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,2-Dibromo-3-chloropropane	ND		6.3	3.1	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,2-Dibromoethane (EDB)	ND		6.3	0.81	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,2-Dichlorobenzene	ND		6.3	0.49	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,2-Dichloroethane	ND		6.3	0.32	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,2-Dichloropropane	ND		6.3	3.1	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	ND		6.3	0.41	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,3-Dichlorobenzene	ND		6.3	0.32	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,4-Dichlorobenzene	ND		6.3	0.88	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
2-Butanone (MEK)	ND		31	2.3	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
2-Hexanone	ND		31	3.1	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
4-Isopropyltoluene	ND		6.3	0.50	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
4-Methyl-2-pentanone (MIBK)	ND		31	2.1	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Acetone	**38**		31	5.3	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Benzene	ND		6.3	0.31	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Bromodichloromethane	ND		6.3	0.84	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Bromoform	ND		6.3	3.1	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Bromomethane	ND		6.3	0.57	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Carbon disulfide	ND		6.3	3.1	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Carbon Tetrachloride	ND		6.3	0.61	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Chlorobenzene	ND		6.3	0.83	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Chlorodibromomethane	ND		6.3	0.81	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Chloroethane	ND		6.3	1.4	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Chloroform	ND		6.3	0.39	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Chloromethane	ND		6.3	0.38	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
cis-1,2-Dichloroethene	ND		6.3	0.81	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
cis-1,3-Dichloropropene	ND		6.3	0.91	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Cyclohexane	ND		6.3	0.88	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Dichlorodifluoromethane	ND		6.3	0.52	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Ethylbenzene	ND		6.3	0.43	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Isopropylbenzene	ND		6.3	0.95	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Methyl Acetate	ND		6.3	1.2	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Methyl tert-Butyl Ether	ND		6.3	0.62	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Methylcyclohexane	ND		6.3	0.96	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Methylene Chloride	**29**		6.3	2.9	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Naphthalene	ND		6.3	0.84	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
n-Butylbenzene	ND		6.3	0.55	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
n-Propylbenzene	ND		6.3	0.50	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
sec-Butylbenzene	ND		6.3	0.55	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Styrene	ND		6.3	0.31	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B

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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-04 (SP-4-2-4 - Solid) - cont.						**Sampled: 12/06/10 10:40**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		6.3	0.65	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Tetrachloroethene	ND		6.3	0.84	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Toluene	ND		6.3	0.48	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
trans-1,2-Dichloroethene	ND		6.3	0.65	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
trans-1,3-Dichloropropene	ND		6.3	2.8	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Trichloroethene	ND		6.3	1.4	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Trichlorofluoromethane	ND		6.3	0.60	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Vinyl chloride	ND		6.3	0.77	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Xylenes, total	ND		13	1.1	ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
1,2-Dichloroethane-d4	*114 %*		*Surr Limits: (64-126%)*				*12/08/10 15:00*	*PJQ*	*10L0624*	*8260B*
4-Bromofluorobenzene	*101 %*		*Surr Limits: (72-126%)*				*12/08/10 15:00*	*PJQ*	*10L0624*	*8260B*
Toluene-d8	*102 %*		*Surr Limits: (71-125%)*				*12/08/10 15:00*	*PJQ*	*10L0624*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Hexane (110-54-3)	**11**		Ret Time: 4.145		ug/kg dry	1.00	12/08/10 15:00	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D12	2100	460	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2,4,6-Trichlorophenol	ND	D12	2100	140	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2,4-Dichlorophenol	ND	D12	2100	110	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2,4-Dimethylphenol	ND	D12	2100	570	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2,4-Dinitrophenol	ND	D12	4200	740	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2,4-Dinitrotoluene	ND	D12	2100	330	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2,6-Dinitrotoluene	ND	D12	2100	520	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2-Chloronaphthalene	ND	D12	2100	140	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2-Chlorophenol	ND	D12	2100	110	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2-Methylnaphthalene	ND	D12	2100	26	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2-Methylphenol	ND	D12	2100	65	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2-Nitroaniline	ND	D12	4200	680	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2-Nitrophenol	ND	D12	2100	97	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
3,3'-Dichlorobenzidine	ND	D12	2100	1900	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
3-Nitroaniline	ND	D12	4200	490	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND	D12	4200	740	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
4-Bromophenyl phenyl ether	ND	D12	2100	680	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
4-Chloro-3-methylphenol	ND	D12	2100	88	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
4-Chloroaniline	ND	D12	2100	620	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
4-Chlorophenyl phenyl ether	ND	D12	2100	45	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
4-Methylphenol	ND	D12	4200	120	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
4-Nitroaniline	ND	D12	4200	240	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
4-Nitrophenol	ND	D12	4200	520	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Acenaphthene	ND	D12	2100	25	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Acenaphthylene	ND	D12	2100	17	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Acetophenone	ND	D12	2100	110	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Anthracene	ND	D12	2100	54	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Atrazine	ND	D12	2100	95	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Benzaldehyde	ND	D12	2100	230	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Benzo(a)anthracene	ND	D12	2100	37	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C

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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-04 (SP-4-2-4 - Solid) - cont. **Sampled: 12/06/10 10:40** **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	ND	D12	2100	51	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Benzo(b)fluoranthene	ND	D12	2100	41	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Benzo(ghi)perylene	ND	D12	2100	26	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Benzo(k)fluoranthene	ND	D12	2100	23	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Biphenyl	ND	D12	2100	130	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Bis(2-chloroethoxy)methane	ND	D12	2100	120	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Bis(2-chloroethyl)ether	ND	D12	2100	180	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D12	2100	220	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Bis(2-ethylhexyl) phthalate	ND	D12	2100	690	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Butyl benzyl phthalate	ND	D12	2100	570	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Caprolactam	ND	D12	2100	920	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Carbazole	ND	D12	2100	25	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Chrysene	ND	D12	2100	21	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Dibenzo(a,h)anthracene	ND	D12	2100	25	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Dibenzofuran	ND	D12	2100	22	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Diethyl phthalate	ND	D12	2100	64	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Dimethyl phthalate	ND	D12	2100	56	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Di-n-butyl phthalate	ND	D12	2100	740	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Di-n-octyl phthalate	ND	D12	2100	50	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Fluoranthene	ND	D12	2100	31	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Fluorene	ND	D12	2100	49	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Hexachlorobenzene	ND	D12	2100	110	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Hexachlorobutadiene	ND	D12	2100	110	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Hexachlorocyclopentadiene	ND	D12	2100	640	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Hexachloroethane	ND	D12	2100	160	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Indeno(1,2,3-cd)pyrene	ND	D12	2100	59	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Isophorone	ND	D12	2100	110	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Naphthalene	ND	D12	2100	35	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Nitrobenzene	ND	D12	2100	94	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
N-Nitrosodi-n-propylamine	ND	D12	2100	170	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
N-Nitrosodiphenylamine	ND	D12	2100	120	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Pentachlorophenol	ND	D12	4200	730	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Phenanthrene	ND	D12	2100	45	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Phenol	ND	D12	2100	220	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
Pyrene	ND	D12	2100	14	ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C
2,4,6-Tribromophenol	*95 %*	*D12*	*Surr Limits: (39-146%)*				*12/08/10 11:32*	*MKP*	*10L0497*	*8270C*
2-Fluorobiphenyl	*87 %*	*D12*	*Surr Limits: (37-120%)*				*12/08/10 11:32*	*MKP*	*10L0497*	*8270C*
2-Fluorophenol	*71 %*	*D12*	*Surr Limits: (18-120%)*				*12/08/10 11:32*	*MKP*	*10L0497*	*8270C*
Nitrobenzene-d5	*79 %*	*D12*	*Surr Limits: (34-132%)*				*12/08/10 11:32*	*MKP*	*10L0497*	*8270C*
Phenol-d5	*81 %*	*D12*	*Surr Limits: (11-120%)*				*12/08/10 11:32*	*MKP*	*10L0497*	*8270C*
p-Terphenyl-d14	*82 %*	*D12*	*Surr Limits: (58-147%)*				*12/08/10 11:32*	*MKP*	*10L0497*	*8270C*
Semivolatile Organics TICs by GC/MS										
No TICs found (NOTICS)	ND				ug/kg dry	10.0	12/08/10 11:32	MKP	10L0497	8270C

Polychlorinated Biphenyls by EPA Method 8082

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-04 (SP-4-2-4 - Solid) - cont.						**Sampled: 12/06/10 10:40**		**Recvd: 12/06/10 17:15**		
Polychlorinated Biphenyls by EPA Method 8082 - cont.										
Aroclor 1016	ND	QSU,C	21	4.1	ug/kg dry	1.00	12/08/10 16:47	tchro	10L0498	8082
Aroclor 1221	ND	QSU	21	4.1	ug/kg dry	1.00	12/08/10 16:47	tchro	10L0498	8082
Aroclor 1232	ND	QSU	21	4.1	ug/kg dry	1.00	12/08/10 16:47	tchro	10L0498	8082
Aroclor 1242	ND	QSU	21	4.5	ug/kg dry	1.00	12/08/10 16:47	tchro	10L0498	8082
Aroclor 1248	ND	QSU	21	4.1	ug/kg dry	1.00	12/08/10 16:47	tchro	10L0498	8082
Aroclor 1254	ND	QSU	21	4.4	ug/kg dry	1.00	12/08/10 16:47	tchro	10L0498	8082
Aroclor 1260	ND	QSU	21	9.7	ug/kg dry	1.00	12/08/10 16:47	tchro	10L0498	8082
Decachlorobiphenyl	*98 %*	*QSU*	*Surr Limits: (34-148%)*				*12/08/10 16:47*	*tchro*	*10L0498*	*8082*
Tetrachloro-m-xylene	*101 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 16:47*	*tchro*	*10L0498*	*8082*
Total Metals by SW 846 Series Methods										
Aluminum	**21200**	B	12.6	5.6	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Antimony	ND		18.9	0.7	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Arsenic	**2.8**		2.5	0.5	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Barium	**151**		0.631	0.139	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Beryllium	**1.39**		0.252	0.035	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Cadmium	**0.109**	J	0.252	0.038	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Calcium	**2020**	B	63.1	4.2	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Chromium	**27.6**		0.631	0.252	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Cobalt	**11.5**		0.631	0.063	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Copper	**21.6**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Iron	**31900**	B	12.6	1.4	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Lead	**15.0**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Magnesium	**8210**		25.2	1.2	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Manganese	**186**	B	0.3	0.04	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Nickel	**33.2**		6.31	0.290	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Potassium	**1770**		37.9	25.2	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Selenium	ND		5.0	0.7	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Silver	ND		0.631	0.252	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Sodium	**298**		177	16.4	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Thallium	ND		7.6	0.4	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Vanadium	**33.9**		0.631	0.139	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Zinc	**72.0**	B	2.5	0.2	mg/kg dry	1.00	12/09/10 10:18	AMH	10L0535	6010B
Mercury	**0.0423**		0.0240	0.0097	mg/kg dry	1.00	12/08/10 12:22	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**78**		0.010	NR	%	1.00	12/07/10 15:24	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-05 (SP-5-2-4 - Solid) — **Sampled: 12/06/10 11:50** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		8.4	0.61	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,1,2,2-Tetrachloroethane	ND		8.4	1.4	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,1,2-Trichloroethane	ND		8.4	1.1	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		8.4	1.9	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,1-Dichloroethane	ND		8.4	1.0	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,1-Dichloroethene	ND		8.4	1.0	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,2,4-Trichlorobenzene	ND		8.4	0.51	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,2,4-Trimethylbenzene	ND		8.4	1.6	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,2-Dibromo-3-chloropropane	ND		8.4	4.2	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,2-Dibromoethane (EDB)	ND		8.4	1.1	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,2-Dichlorobenzene	ND		8.4	0.65	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,2-Dichloroethane	ND		8.4	0.42	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,2-Dichloropropane	ND		8.4	4.2	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	ND		8.4	0.54	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,3-Dichlorobenzene	ND		8.4	0.43	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,4-Dichlorobenzene	ND		8.4	1.2	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
2-Butanone (MEK)	**16**	J	42	3.1	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
2-Hexanone	ND		42	4.2	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
4-Isopropyltoluene	ND		8.4	0.67	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
4-Methyl-2-pentanone (MIBK)	ND		42	2.7	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Acetone	**70**		42	7.0	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Benzene	ND		8.4	0.41	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Bromodichloromethane	ND		8.4	1.1	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Bromoform	ND		8.4	4.2	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Bromomethane	ND		8.4	0.75	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Carbon disulfide	ND		8.4	4.2	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Carbon Tetrachloride	ND		8.4	0.81	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Chlorobenzene	ND		8.4	1.1	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Chlorodibromomethane	ND		8.4	1.1	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Chloroethane	ND		8.4	1.9	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Chloroform	ND		8.4	0.52	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Chloromethane	ND		8.4	0.51	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
cis-1,2-Dichloroethene	ND		8.4	1.1	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
cis-1,3-Dichloropropene	ND		8.4	1.2	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Cyclohexane	ND		8.4	1.2	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Dichlorodifluoromethane	ND		8.4	0.69	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Ethylbenzene	ND		8.4	0.58	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Isopropylbenzene	ND		8.4	1.3	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Methyl Acetate	ND		8.4	1.6	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Methyl tert-Butyl Ether	ND		8.4	0.82	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Methylcyclohexane	ND		8.4	1.3	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Methylene Chloride	**35**		8.4	3.8	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Naphthalene	ND		8.4	1.1	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
n-Butylbenzene	ND		8.4	0.73	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
n-Propylbenzene	ND		8.4	0.67	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
sec-Butylbenzene	ND		8.4	0.73	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Styrene	ND		8.4	0.42	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-05 (SP-5-2-4 - Solid) - cont. **Sampled: 12/06/10 11:50** **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		8.4	0.87	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Tetrachloroethene	ND		8.4	1.1	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Toluene	ND		8.4	0.63	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
trans-1,2-Dichloroethene	ND		8.4	0.86	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
trans-1,3-Dichloropropene	ND		8.4	3.7	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Trichloroethene	ND		8.4	1.8	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Trichlorofluoromethane	ND		8.4	0.79	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Vinyl chloride	ND		8.4	1.0	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Xylenes, total	ND		17	1.4	ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
1,2-Dichloroethane-d4	*116 %*		*Surr Limits: (64-126%)*				*12/08/10 15:26*	*PJQ*	*10L0624*	*8260B*
4-Bromofluorobenzene	*102 %*		*Surr Limits: (72-126%)*				*12/08/10 15:26*	*PJQ*	*10L0624*	*8260B*
Toluene-d8	*100 %*		*Surr Limits: (71-125%)*				*12/08/10 15:26*	*PJQ*	*10L0624*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Hexane (110-54-3)	**17**		Ret Time: 4.145		ug/kg dry	1.00	12/08/10 15:26	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	T10	2800	610	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2,4,6-Trichlorophenol	ND	T10	2800	180	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2,4-Dichlorophenol	ND	T10	2800	150	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2,4-Dimethylphenol	ND	T10	2800	760	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2,4-Dinitrophenol	ND	T10	5500	980	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2,4-Dinitrotoluene	ND	T10	2800	430	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2,6-Dinitrotoluene	ND	T10	2800	680	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2-Chloronaphthalene	ND	T10	2800	190	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2-Chlorophenol	ND	T10	2800	140	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2-Methylnaphthalene	ND	T10	2800	34	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2-Methylphenol	ND	T10	2800	86	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2-Nitroaniline	ND	T10	5500	900	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2-Nitrophenol	ND	T10	2800	130	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
3,3'-Dichlorobenzidine	ND	T10	2800	2500	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
3-Nitroaniline	ND	T10	5500	640	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND	T10	5500	970	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
4-Bromophenyl phenyl ether	ND	T10	2800	890	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
4-Chloro-3-methylphenol	ND	T10	2800	110	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
4-Chloroaniline	ND	T10	2800	820	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
4-Chlorophenyl phenyl ether	ND	T10	2800	60	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
4-Methylphenol	ND	T10	5500	160	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
4-Nitroaniline	ND	T10	5500	310	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
4-Nitrophenol	ND	T10	5500	680	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Acenaphthene	ND	T10	2800	33	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Acenaphthylene	ND	T10	2800	23	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Acetophenone	ND	T10	2800	140	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Anthracene	ND	T10	2800	72	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Atrazine	ND	T10	2800	120	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Benzaldehyde	ND	T10	2800	310	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Benzo(a)anthracene	ND	T10	2800	48	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-05 (SP-5-2-4 - Solid) - cont. **Sampled: 12/06/10 11:50** **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	ND	T10	2800	67	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Benzo(b)fluoranthene	ND	T10	2800	54	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Benzo(ghi)perylene	ND	T10	2800	34	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Benzo(k)fluoranthene	ND	T10	2800	31	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Biphenyl	ND	T10	2800	170	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Bis(2-chloroethoxy)methane	ND	T10	2800	150	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Bis(2-chloroethyl)ether	ND	T10	2800	240	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND	T10	2800	290	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Bis(2-ethylhexyl) phthalate	ND	T10	2800	900	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Butyl benzyl phthalate	ND	T10	2800	750	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Caprolactam	ND	T10	2800	1200	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Carbazole	ND	T10	2800	32	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Chrysene	ND	T10	2800	28	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Dibenzo(a,h)anthracene	ND	T10	2800	33	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Dibenzofuran	ND	T10	2800	29	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Diethyl phthalate	ND	T10	2800	84	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Dimethyl phthalate	ND	T10	2800	73	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Di-n-butyl phthalate	ND	T10	2800	970	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Di-n-octyl phthalate	ND	T10	2800	65	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Fluoranthene	ND	T10	2800	41	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Fluorene	ND	T10	2800	64	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Hexachlorobenzene	ND	T10	2800	140	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Hexachlorobutadiene	ND	T10	2800	140	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Hexachlorocyclopentadiene	ND	T10	2800	850	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Hexachloroethane	ND	T10	2800	220	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Indeno(1,2,3-cd)pyrene	ND	T10	2800	77	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Isophorone	ND	T10	2800	140	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Naphthalene	ND	T10	2800	47	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Nitrobenzene	ND	T10	2800	120	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
N-Nitrosodi-n-propylamine	ND	T10	2800	220	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
N-Nitrosodiphenylamine	ND	T10	2800	150	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Pentachlorophenol	ND	T10	5500	960	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Phenanthrene	ND	T10	2800	59	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Phenol	ND	T10	2800	290	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Pyrene	ND	T10	2800	18	ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
2,4,6-Tribromophenol	*96 %*	*T10*	*Surr Limits: (39-146%)*				*12/08/10 02:17*	*JLG*	*10L0497*	*8270C*
2-Fluorobiphenyl	*91 %*	*T10*	*Surr Limits: (37-120%)*				*12/08/10 02:17*	*JLG*	*10L0497*	*8270C*
2-Fluorophenol	*74 %*	*T10*	*Surr Limits: (18-120%)*				*12/08/10 02:17*	*JLG*	*10L0497*	*8270C*
Nitrobenzene-d5	*77 %*	*T10*	*Surr Limits: (34-132%)*				*12/08/10 02:17*	*JLG*	*10L0497*	*8270C*
Phenol-d5	*84 %*	*T10*	*Surr Limits: (11-120%)*				*12/08/10 02:17*	*JLG*	*10L0497*	*8270C*
p-Terphenyl-d14	*91 %*	*T10*	*Surr Limits: (58-147%)*				*12/08/10 02:17*	*JLG*	*10L0497*	*8270C*
Semivolatile Organics TICs by GC/MS										
Unknown01 (none)	**3000**	T10	Ret Time: 14.023		ug/kg dry	1.00	12/08/10 02:17	JLG	10L0497	8270C
Polychlorinated Biphenyls by EPA Method 8082										

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-05 (SP-5-2-4 - Solid) - cont.						**Sampled: 12/06/10 11:50**		**Recvd: 12/06/10 17:15**		
Polychlorinated Biphenyls by EPA Method 8082 - cont.										
Aroclor 1016	ND	QSU,C	28	5.4	ug/kg dry	1.00	12/08/10 17:02	tchro	10L0498	8082
Aroclor 1221	ND	QSU	28	5.4	ug/kg dry	1.00	12/08/10 17:02	tchro	10L0498	8082
Aroclor 1232	ND	QSU	28	5.4	ug/kg dry	1.00	12/08/10 17:02	tchro	10L0498	8082
Aroclor 1242	ND	QSU	28	6.0	ug/kg dry	1.00	12/08/10 17:02	tchro	10L0498	8082
Aroclor 1248	ND	QSU	28	5.4	ug/kg dry	1.00	12/08/10 17:02	tchro	10L0498	8082
Aroclor 1254	ND	QSU	28	5.8	ug/kg dry	1.00	12/08/10 17:02	tchro	10L0498	8082
Aroclor 1260	ND	QSU	28	13	ug/kg dry	1.00	12/08/10 17:02	tchro	10L0498	8082
Tetrachloro-m-xylene	*97 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 17:02*	*tchro*	*10L0498*	*8082*
Total Metals by SW 846 Series Methods										
Aluminum	**27600**	B	16.5	7.2	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Antimony	ND		24.7	0.9	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Arsenic	**7.1**		3.3	0.7	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Barium	**171**		0.824	0.181	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Beryllium	**1.95**		0.329	0.046	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Cadmium	**0.156**	J	0.329	0.049	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Calcium	**2090**	B	82.4	5.4	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Chromium	**38.0**		0.824	0.329	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Cobalt	**26.8**		0.824	0.082	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Copper	**34.3**		1.6	0.3	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Iron	**44600**	B	16.5	1.8	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Lead	**14.9**		1.6	0.4	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Magnesium	**9580**		32.9	1.5	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Manganese	**476**	B	0.3	0.05	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Nickel	**48.8**		8.24	0.379	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Potassium	**2450**		49.4	32.9	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Selenium	ND		6.6	0.9	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Silver	ND		0.824	0.329	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Sodium	**347**		231	21.4	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Thallium	ND		9.9	0.5	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Vanadium	**47.4**		0.824	0.181	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Zinc	**100**	B	3.3	0.3	mg/kg dry	1.00	12/09/10 10:20	AMH	10L0535	6010B
Mercury	**0.0451**		0.0334	0.0135	mg/kg dry	1.00	12/08/10 12:24	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**60**		0.010	NR	%	1.00	12/07/10 15:26	MJM	10L0500	Dry Weight

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Analytical Report

Sample ID: RTL0572-06 (SP-6-2-4 - Solid) — **Sampled: 12/06/10 12:20** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.9	0.50	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,1,2,2-Tetrachloroethane	ND		6.9	1.1	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,1,2-Trichloroethane	ND		6.9	0.89	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		6.9	1.6	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,1-Dichloroethane	ND		6.9	0.84	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,1-Dichloroethene	ND		6.9	0.84	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,2,4-Trichlorobenzene	ND		6.9	0.42	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,2,4-Trimethylbenzene	ND		6.9	1.3	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,2-Dibromo-3-chloropropane	ND		6.9	3.4	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,2-Dibromoethane (EDB)	ND		6.9	0.88	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,2-Dichlorobenzene	ND		6.9	0.54	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,2-Dichloroethane	ND		6.9	0.34	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,2-Dichloropropane	ND		6.9	3.4	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	ND		6.9	0.44	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,3-Dichlorobenzene	ND		6.9	0.35	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,4-Dichlorobenzene	ND		6.9	0.96	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
2-Butanone (MEK)	**28**	J	34	2.5	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
2-Hexanone	ND		34	3.4	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
4-Isopropyltoluene	ND		6.9	0.55	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
4-Methyl-2-pentanone (MIBK)	ND		34	2.3	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Acetone	**120**		34	5.8	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Benzene	ND		6.9	0.34	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Bromodichloromethane	ND		6.9	0.92	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Bromoform	ND		6.9	3.4	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Bromomethane	ND		6.9	0.62	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Carbon disulfide	ND		6.9	3.4	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Carbon Tetrachloride	ND		6.9	0.67	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Chlorobenzene	ND		6.9	0.91	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Chlorodibromomethane	ND		6.9	0.88	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Chloroethane	ND		6.9	1.6	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Chloroform	ND		6.9	0.42	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Chloromethane	ND		6.9	0.41	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
cis-1,2-Dichloroethene	ND		6.9	0.88	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
cis-1,3-Dichloropropene	ND		6.9	0.99	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Cyclohexane	ND		6.9	0.96	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Dichlorodifluoromethane	ND		6.9	0.57	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Ethylbenzene	ND		6.9	0.47	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Isopropylbenzene	ND		6.9	1.0	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Methyl Acetate	ND		6.9	1.3	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Methyl tert-Butyl Ether	ND		6.9	0.67	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Methylcyclohexane	ND		6.9	1.0	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Methylene Chloride	**31**		6.9	3.2	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Naphthalene	ND		6.9	0.92	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
n-Butylbenzene	ND		6.9	0.60	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
n-Propylbenzene	ND		6.9	0.55	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
sec-Butylbenzene	ND		6.9	0.60	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Styrene	ND		6.9	0.34	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-06 (SP-6-2-4 - Solid) - cont.						**Sampled: 12/06/10 12:20**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		6.9	0.71	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Tetrachloroethene	ND		6.9	0.92	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Toluene	ND		6.9	0.52	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
trans-1,2-Dichloroethene	ND		6.9	0.71	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
trans-1,3-Dichloropropene	ND		6.9	3.0	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Trichloroethene	ND		6.9	1.5	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Trichlorofluoromethane	ND		6.9	0.65	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Vinyl chloride	ND		6.9	0.84	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Xylenes, total	ND		14	1.2	ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
1,2-Dichloroethane-d4	*122 %*		*Surr Limits: (64-126%)*				*12/08/10 15:51*	*PJQ*	*10L0624*	*8260B*
4-Bromofluorobenzene	*105 %*		*Surr Limits: (72-126%)*				*12/08/10 15:51*	*PJQ*	*10L0624*	*8260B*
Toluene-d8	*105 %*		*Surr Limits: (71-125%)*				*12/08/10 15:51*	*PJQ*	*10L0624*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Hexane (110-54-3)	**14**		Ret Time: 4.151		ug/kg dry	1.00	12/08/10 15:51	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		230	50	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2,4,6-Trichlorophenol	ND		230	15	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2,4-Dichlorophenol	ND		230	12	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2,4-Dimethylphenol	ND		230	62	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2,4-Dinitrophenol	ND		450	81	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2,4-Dinitrotoluene	ND		230	36	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2,6-Dinitrotoluene	ND		230	56	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2-Chloronaphthalene	ND		230	15	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2-Chlorophenol	ND		230	12	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2-Methylnaphthalene	ND		230	2.8	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2-Methylphenol	ND		230	7.1	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2-Nitroaniline	ND		450	74	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2-Nitrophenol	ND		230	11	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
3,3'-Dichlorobenzidine	ND		230	200	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
3-Nitroaniline	ND		450	53	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND		450	80	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
4-Bromophenyl phenyl ether	ND		230	73	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
4-Chloro-3-methylphenol	ND		230	9.5	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
4-Chloroaniline	ND		230	68	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
4-Chlorophenyl phenyl ether	ND		230	4.9	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
4-Methylphenol	ND		450	13	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
4-Nitroaniline	ND		450	26	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
4-Nitrophenol	ND		450	56	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Acenaphthene	ND		230	2.7	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Acenaphthylene	ND		230	1.9	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Acetophenone	ND		230	12	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Anthracene	**22**	J	230	5.9	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Atrazine	ND		230	10	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Benzaldehyde	ND		230	25	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Benzo(a)anthracene	**89**	J	230	4.0	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-06 (SP-6-2-4 - Solid) - cont.						**Sampled: 12/06/10 12:20**		**Recvd: 12/06/10 17:15**		
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	**85**	J	230	5.6	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Benzo(b)fluoranthene	**120**	J	230	4.5	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Benzo(ghi)perylene	**50**	J	230	2.8	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Benzo(k)fluoranthene	**37**	J	230	2.5	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Biphenyl	ND		230	14	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Bis(2-chloroethoxy)methane	ND		230	13	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Bis(2-chloroethyl)ether	ND		230	20	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND		230	24	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Bis(2-ethylhexyl) phthalate	ND		230	74	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Butyl benzyl phthalate	ND		230	62	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Caprolactam	ND		230	100	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Carbazole	ND		230	2.7	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Chrysene	**78**	J	230	2.3	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Dibenzo(a,h)anthracene	ND		230	2.7	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Dibenzofuran	ND		230	2.4	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Diethyl phthalate	ND		230	7.0	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Dimethyl phthalate	ND		230	6.0	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Di-n-butyl phthalate	ND		230	80	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Di-n-octyl phthalate	ND		230	5.4	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Fluoranthene	**190**	J	230	3.3	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Fluorene	ND		230	5.3	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Hexachlorobenzene	ND		230	11	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Hexachlorobutadiene	ND		230	12	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Hexachlorocyclopentadiene	ND		230	70	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Hexachloroethane	ND		230	18	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Indeno(1,2,3-cd)pyrene	**40**	J	230	6.4	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Isophorone	ND		230	12	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Naphthalene	ND		230	3.8	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Nitrobenzene	ND		230	10	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
N-Nitrosodi-n-propylamine	ND		230	18	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
N-Nitrosodiphenylamine	ND		230	13	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Pentachlorophenol	ND		450	79	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Phenanthrene	**66**	J	230	4.8	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Phenol	ND		230	24	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Pyrene	**130**	J	230	1.5	ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
2,4,6-Tribromophenol	*119 %*		*Surr Limits: (39-146%)*				*12/08/10 11:55*	*MKP*	*10L0497*	*8270C*
2-Fluorobiphenyl	*86 %*		*Surr Limits: (37-120%)*				*12/08/10 11:55*	*MKP*	*10L0497*	*8270C*
2-Fluorophenol	*69 %*		*Surr Limits: (18-120%)*				*12/08/10 11:55*	*MKP*	*10L0497*	*8270C*
Nitrobenzene-d5	*83 %*		*Surr Limits: (34-132%)*				*12/08/10 11:55*	*MKP*	*10L0497*	*8270C*
Phenol-d5	*81 %*		*Surr Limits: (11-120%)*				*12/08/10 11:55*	*MKP*	*10L0497*	*8270C*
p-Terphenyl-d14	*84 %*		*Surr Limits: (58-147%)*				*12/08/10 11:55*	*MKP*	*10L0497*	*8270C*
Semivolatile Organics TICs by GC/MS										
E-15-Heptadecenal (1000130-97-9)	**740**		Ret Time: 14.552		ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Sulfur -1 (013798-23-7)	**410**		Ret Time: 9.93		ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C

PARS Environmental, Inc.
6A South Gold Drive
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-06 (SP-6-2-4 - Solid) - cont.						**Sampled: 12/06/10 12:20**		**Recvd: 12/06/10 17:15**		
Semivolatile Organics TICs by GC/MS - cont.										
Unknown01 (none)	**210**		Ret Time: 12.265		ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Unknown02 (none)	**1400**		Ret Time: 13.462		ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Unknown03 (none)	**240**		Ret Time: 13.756		ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Unknown04 (none)	**2300**		Ret Time: 14.017		ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Unknown05 (none)	**230**		Ret Time: 14.284		ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Unknown06 (none)	**480**		Ret Time: 15.898		ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Unknown07 (none)	**220**		Ret Time: 15.962		ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Unknown08 (none)	**640**		Ret Time: 16.154		ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Unknown09 (none)	**480**		Ret Time: 16.218		ug/kg dry	1.00	12/08/10 11:55	MKP	10L0497	8270C
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016	ND	QSU,C	23	4.4	ug/kg dry	1.00	12/08/10 17:17	tchro	10L0498	8082
Aroclor 1221	ND	QSU	23	4.4	ug/kg dry	1.00	12/08/10 17:17	tchro	10L0498	8082
Aroclor 1232	ND	QSU	23	4.4	ug/kg dry	1.00	12/08/10 17:17	tchro	10L0498	8082
Aroclor 1242	ND	QSU	23	4.9	ug/kg dry	1.00	12/08/10 17:17	tchro	10L0498	8082
Aroclor 1248	ND	QSU	23	4.4	ug/kg dry	1.00	12/08/10 17:17	tchro	10L0498	8082
Aroclor 1254	ND	QSU	23	4.7	ug/kg dry	1.00	12/08/10 17:17	tchro	10L0498	8082
Aroclor 1260	ND	QSU	23	11	ug/kg dry	1.00	12/08/10 17:17	tchro	10L0498	8082
Decachlorobiphenyl	*93 %*	*QSU*	*Surr Limits: (34-148%)*				*12/08/10 17:17*	*tchro*	*10L0498*	*8082*
Tetrachloro-m-xylene	*101 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 17:17*	*tchro*	*10L0498*	*8082*
Total Metals by SW 846 Series Methods										
Aluminum	**21000**	B	13.1	5.7	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Antimony	**1.0**	J	19.6	0.7	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Arsenic	**5.7**		2.6	0.5	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Barium	**130**		0.653	0.144	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Beryllium	**1.14**		0.261	0.037	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Cadmium	**0.251**	J	0.261	0.039	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Calcium	**5850**	B	65.3	4.3	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Chromium	**29.8**		0.653	0.261	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Cobalt	**14.6**		0.653	0.065	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Copper	**22.4**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Iron	**37900**	B	13.1	1.4	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Lead	**17.8**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Magnesium	**8000**		26.1	1.2	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Manganese	**266**	B	0.3	0.04	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Nickel	**34.3**		6.53	0.300	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Potassium	**2040**		39.2	26.1	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Selenium	ND		5.2	0.7	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Silver	ND		0.653	0.261	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Sodium	**141**	J	183	17.0	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Thallium	ND		7.8	0.4	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Vanadium	**39.6**		0.653	0.144	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Zinc	**84.5**	B	2.6	0.2	mg/kg dry	1.00	12/09/10 10:22	AMH	10L0535	6010B
Mercury	**0.0492**		0.0261	0.0106	mg/kg dry	1.00	12/08/10 12:26	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**72**		0.010	NR	%	1.00	12/07/10 15:28	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-07 (SP-7-4-6 - Solid) — **Sampled: 12/06/10 12:40** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.2	0.45	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,1,2,2-Tetrachloroethane	ND		6.2	1.0	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,1,2-Trichloroethane	ND		6.2	0.80	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		6.2	1.4	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,1-Dichloroethane	ND		6.2	0.75	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,1-Dichloroethene	ND		6.2	0.75	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,2,4-Trichlorobenzene	ND		6.2	0.37	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,2,4-Trimethylbenzene	ND		6.2	1.2	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,2-Dibromo-3-chloropropane	ND		6.2	3.1	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,2-Dibromoethane (EDB)	ND		6.2	0.79	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,2-Dichlorobenzene	ND		6.2	0.48	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,2-Dichloroethane	ND		6.2	0.31	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,2-Dichloropropane	ND		6.2	3.1	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	ND		6.2	0.40	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,3-Dichlorobenzene	ND		6.2	0.32	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,4-Dichlorobenzene	ND		6.2	0.86	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
2-Butanone (MEK)	ND		31	2.3	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
2-Hexanone	ND		31	3.1	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
4-Isopropyltoluene	ND		6.2	0.49	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
4-Methyl-2-pentanone (MIBK)	ND		31	2.0	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Acetone	**38**		31	5.2	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Benzene	ND		6.2	0.30	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Bromodichloromethane	ND		6.2	0.83	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Bromoform	ND		6.2	3.1	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Bromomethane	ND		6.2	0.55	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Carbon disulfide	ND		6.2	3.1	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Carbon Tetrachloride	ND		6.2	0.60	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Chlorobenzene	ND		6.2	0.81	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Chlorodibromomethane	ND		6.2	0.79	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Chloroethane	ND		6.2	1.4	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Chloroform	ND		6.2	0.38	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Chloromethane	ND		6.2	0.37	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
cis-1,2-Dichloroethene	ND		6.2	0.79	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
cis-1,3-Dichloropropene	ND		6.2	0.89	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Cyclohexane	ND		6.2	0.86	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Dichlorodifluoromethane	ND		6.2	0.51	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Ethylbenzene	ND		6.2	0.43	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Isopropylbenzene	ND		6.2	0.93	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Methyl Acetate	ND		6.2	1.1	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Methyl tert-Butyl Ether	ND		6.2	0.61	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Methylcyclohexane	ND		6.2	0.94	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Methylene Chloride	**31**		6.2	2.8	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Naphthalene	ND		6.2	0.83	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
n-Butylbenzene	ND		6.2	0.54	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
n-Propylbenzene	ND		6.2	0.49	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
sec-Butylbenzene	ND		6.2	0.54	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Styrene	ND		6.2	0.31	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B

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6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-07 (SP-7-4-6 - Solid) - cont. **Sampled: 12/06/10 12:40** **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		6.2	0.64	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Tetrachloroethene	ND		6.2	0.83	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Toluene	ND		6.2	0.47	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
trans-1,2-Dichloroethene	ND		6.2	0.64	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
trans-1,3-Dichloropropene	ND		6.2	2.7	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Trichloroethene	ND		6.2	1.4	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Trichlorofluoromethane	ND		6.2	0.58	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Vinyl chloride	ND		6.2	0.75	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Xylenes, total	ND		12	1.0	ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
1,2-Dichloroethane-d4	*110 %*		*Surr Limits: (64-126%)*				*12/08/10 16:17*	*PJQ*	*10L0624*	*8260B*
4-Bromofluorobenzene	*101 %*		*Surr Limits: (72-126%)*				*12/08/10 16:17*	*PJQ*	*10L0624*	*8260B*
Toluene-d8	*100 %*		*Surr Limits: (71-125%)*				*12/08/10 16:17*	*PJQ*	*10L0624*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Hexane (110-54-3)	**12**		Ret Time: 4.145		ug/kg dry	1.00	12/08/10 16:17	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		210	45	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2,4,6-Trichlorophenol	ND		210	14	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2,4-Dichlorophenol	ND		210	11	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2,4-Dimethylphenol	ND		210	56	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2,4-Dinitrophenol	ND		410	73	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2,4-Dinitrotoluene	ND		210	32	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2,6-Dinitrotoluene	ND		210	51	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2-Chloronaphthalene	ND		210	14	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2-Chlorophenol	ND		210	11	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2-Methylnaphthalene	ND		210	2.5	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2-Methylphenol	ND		210	6.4	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2-Nitroaniline	ND		410	67	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2-Nitrophenol	ND		210	9.5	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
3,3'-Dichlorobenzidine	ND		210	180	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
3-Nitroaniline	ND		410	48	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND		410	72	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
4-Bromophenyl phenyl ether	ND		210	66	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
4-Chloro-3-methylphenol	ND		210	8.6	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
4-Chloroaniline	ND		210	61	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
4-Chlorophenyl phenyl ether	ND		210	4.4	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
4-Methylphenol	ND		410	12	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
4-Nitroaniline	ND		410	23	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
4-Nitrophenol	ND		410	51	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Acenaphthene	ND		210	2.4	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Acenaphthylene	ND		210	1.7	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Acetophenone	ND		210	11	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Anthracene	ND		210	5.3	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Atrazine	ND		210	9.3	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Benzaldehyde	ND		210	23	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Benzo(a)anthracene	ND		210	3.6	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-07 (SP-7-4-6 - Solid) - cont.						**Sampled: 12/06/10 12:40**		**Recvd: 12/06/10 17:15**		
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	ND		210	5.0	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Benzo(b)fluoranthene	ND		210	4.0	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Benzo(ghi)perylene	ND		210	2.5	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Benzo(k)fluoranthene	ND		210	2.3	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Biphenyl	ND		210	13	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Bis(2-chloroethoxy)methane	ND		210	11	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Bis(2-chloroethyl)ether	ND		210	18	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND		210	22	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Bis(2-ethylhexyl) phthalate	ND		210	67	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Butyl benzyl phthalate	ND		210	56	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Caprolactam	ND		210	90	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Carbazole	ND		210	2.4	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Chrysene	ND		210	2.1	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Dibenzo(a,h)anthracene	ND		210	2.5	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Dibenzofuran	ND		210	2.2	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Diethyl phthalate	ND		210	6.3	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Dimethyl phthalate	ND		210	5.4	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Di-n-butyl phthalate	ND		210	72	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Di-n-octyl phthalate	ND		210	4.9	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Fluoranthene	ND		210	3.0	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Fluorene	ND		210	4.8	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Hexachlorobenzene	ND		210	10	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Hexachlorobutadiene	ND		210	11	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Hexachlorocyclopentadiene	ND		210	63	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Hexachloroethane	ND		210	16	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Indeno(1,2,3-cd)pyrene	ND		210	5.8	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Isophorone	ND		210	10	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Naphthalene	ND		210	3.5	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Nitrobenzene	ND		210	9.2	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
N-Nitrosodi-n-propylamine	ND		210	17	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
N-Nitrosodiphenylamine	ND		210	11	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Pentachlorophenol	ND		410	71	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Phenanthrene	ND		210	4.4	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Phenol	ND		210	22	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Pyrene	ND		210	1.3	ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
2,4,6-Tribromophenol	*123 %*		*Surr Limits: (39-146%)*				*12/08/10 12:18*	*MKP*	*10L0497*	*8270C*
2-Fluorobiphenyl	*91 %*		*Surr Limits: (37-120%)*				*12/08/10 12:18*	*MKP*	*10L0497*	*8270C*
2-Fluorophenol	*78 %*		*Surr Limits: (18-120%)*				*12/08/10 12:18*	*MKP*	*10L0497*	*8270C*
Nitrobenzene-d5	*91 %*		*Surr Limits: (34-132%)*				*12/08/10 12:18*	*MKP*	*10L0497*	*8270C*
Phenol-d5	*87 %*		*Surr Limits: (11-120%)*				*12/08/10 12:18*	*MKP*	*10L0497*	*8270C*
p-Terphenyl-d14	*85 %*		*Surr Limits: (58-147%)*				*12/08/10 12:18*	*MKP*	*10L0497*	*8270C*
Semivolatile Organics TICs by GC/MS										
No TICs found (NOTICS)	ND				ug/kg dry	1.00	12/08/10 12:18	MKP	10L0497	8270C
Polychlorinated Biphenyls by EPA Method 8082										

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-07 (SP-7-4-6 - Solid) - cont.						**Sampled: 12/06/10 12:40**		**Recvd: 12/06/10 17:15**		
Polychlorinated Biphenyls by EPA Method 8082 - cont.										
Aroclor 1016	ND	QSU	21	4.1	ug/kg dry	1.00	12/08/10 18:01	tchro	10L0498	8082
Aroclor 1221	ND	QSU	21	4.1	ug/kg dry	1.00	12/08/10 18:01	tchro	10L0498	8082
Aroclor 1232	ND	QSU	21	4.1	ug/kg dry	1.00	12/08/10 18:01	tchro	10L0498	8082
Aroclor 1242	ND	QSU	21	4.6	ug/kg dry	1.00	12/08/10 18:01	tchro	10L0498	8082
Aroclor 1248	ND	QSU	21	4.1	ug/kg dry	1.00	12/08/10 18:01	tchro	10L0498	8082
Aroclor 1254	ND	QSU	21	4.5	ug/kg dry	1.00	12/08/10 18:01	tchro	10L0498	8082
Aroclor 1260	**29**	QSU	21	9.9	ug/kg dry	1.00	12/08/10 18:01	tchro	10L0498	8082
Decachlorobiphenyl	*95 %*	*QSU*	*Surr Limits: (34-148%)*				*12/08/10 18:01*	*tchro*	*10L0498*	*8082*
Tetrachloro-m-xylene	*100 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 18:01*	*tchro*	*10L0498*	*8082*
Total Metals by SW 846 Series Methods										
Aluminum	**20500**	B	11.8	5.2	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Antimony	ND		17.6	0.6	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Arsenic	**7.6**		2.4	0.5	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Barium	**179**		0.588	0.129	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Beryllium	**1.12**		0.235	0.033	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Cadmium	**0.185**	J	0.235	0.035	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Calcium	**10700**	B	58.8	3.9	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Chromium	**29.5**		0.588	0.235	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Cobalt	**18.2**		0.588	0.059	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Copper	**33.0**		1.2	0.2	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Iron	**35300**	B	11.8	1.3	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Lead	**14.4**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Magnesium	**14800**		23.5	1.1	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Manganese	**2470**	D08, B	1.2	0.2	mg/kg dry	5.00	12/09/10 11:24	AMH	10L0535	6010B
Nickel	**42.4**		5.88	0.270	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Potassium	**1980**		35.3	23.5	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Selenium	ND		4.7	0.7	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Silver	ND		0.588	0.235	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Sodium	**294**		165	15.3	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Thallium	ND		7.1	0.4	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Vanadium	**38.7**		0.588	0.129	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Zinc	**69.5**	B	2.4	0.2	mg/kg dry	1.00	12/09/10 10:24	AMH	10L0535	6010B
Mercury	**0.0341**		0.0248	0.0101	mg/kg dry	1.00	12/08/10 12:28	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**79**		0.010	NR	%	1.00	12/07/10 15:30	MJM	10L0500	Dry Weight

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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-08 (SP-8-4-6 - Solid) — **Sampled: 12/06/10 13:00** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.1	0.44	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,1,2,2-Tetrachloroethane	ND		6.1	0.99	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,1,2-Trichloroethane	ND		6.1	0.79	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		6.1	1.4	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,1-Dichloroethane	ND		6.1	0.74	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,1-Dichloroethene	ND		6.1	0.75	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,2,4-Trichlorobenzene	ND		6.1	0.37	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,2,4-Trimethylbenzene	ND		6.1	1.2	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,2-Dibromo-3-chloropropane	ND		6.1	3.0	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,2-Dibromoethane (EDB)	ND		6.1	0.78	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,2-Dichlorobenzene	ND		6.1	0.48	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,2-Dichloroethane	ND		6.1	0.31	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,2-Dichloropropane	ND		6.1	3.0	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	ND		6.1	0.39	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,3-Dichlorobenzene	ND		6.1	0.31	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,4-Dichlorobenzene	ND		6.1	0.85	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
2-Butanone (MEK)	ND		30	2.2	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
2-Hexanone	ND		30	3.0	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
4-Isopropyltoluene	ND		6.1	0.49	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
4-Methyl-2-pentanone (MIBK)	ND		30	2.0	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Acetone	**38**		30	5.1	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Benzene	ND		6.1	0.30	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Bromodichloromethane	ND		6.1	0.82	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Bromoform	ND		6.1	3.0	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Bromomethane	ND		6.1	0.55	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Carbon disulfide	ND		6.1	3.0	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Carbon Tetrachloride	ND		6.1	0.59	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Chlorobenzene	ND		6.1	0.80	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Chlorodibromomethane	ND		6.1	0.78	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Chloroethane	ND		6.1	1.4	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Chloroform	ND		6.1	0.38	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Chloromethane	ND		6.1	0.37	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
cis-1,2-Dichloroethene	ND		6.1	0.78	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
cis-1,3-Dichloropropene	ND		6.1	0.88	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Cyclohexane	ND		6.1	0.85	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Dichlorodifluoromethane	ND		6.1	0.50	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Ethylbenzene	ND		6.1	0.42	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Isopropylbenzene	ND		6.1	0.92	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Methyl Acetate	ND		6.1	1.1	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Methyl tert-Butyl Ether	ND		6.1	0.60	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Methylcyclohexane	ND		6.1	0.93	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Methylene Chloride	**30**		6.1	2.8	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Naphthalene	ND		6.1	0.82	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
n-Butylbenzene	ND		6.1	0.53	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
n-Propylbenzene	ND		6.1	0.49	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
sec-Butylbenzene	ND		6.1	0.53	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Styrene	ND		6.1	0.30	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-08 (SP-8-4-6 - Solid) - cont.						**Sampled: 12/06/10 13:00**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		6.1	0.63	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Tetrachloroethene	ND		6.1	0.82	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Toluene	ND		6.1	0.46	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
trans-1,2-Dichloroethene	ND		6.1	0.63	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
trans-1,3-Dichloropropene	ND		6.1	2.7	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Trichloroethene	ND		6.1	1.3	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Trichlorofluoromethane	ND		6.1	0.58	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Vinyl chloride	ND		6.1	0.74	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Xylenes, total	ND		12	1.0	ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
1,2-Dichloroethane-d4	*114 %*		*Surr Limits: (64-126%)*				*12/08/10 16:42*	*PJQ*	*10L0624*	*8260B*
4-Bromofluorobenzene	*104 %*		*Surr Limits: (72-126%)*				*12/08/10 16:42*	*PJQ*	*10L0624*	*8260B*
Toluene-d8	*105 %*		*Surr Limits: (71-125%)*				*12/08/10 16:42*	*PJQ*	*10L0624*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Hexane (110-54-3)	**12**		Ret Time: 4.151		ug/kg dry	1.00	12/08/10 16:42	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		210	45	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2,4,6-Trichlorophenol	ND		210	14	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2,4-Dichlorophenol	ND		210	11	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2,4-Dimethylphenol	ND		210	56	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2,4-Dinitrophenol	ND		400	72	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2,4-Dinitrotoluene	ND		210	32	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2,6-Dinitrotoluene	ND		210	50	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2-Chloronaphthalene	ND		210	14	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2-Chlorophenol	ND		210	10	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2-Methylnaphthalene	ND		210	2.5	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2-Methylphenol	ND		210	6.3	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2-Nitroaniline	ND		400	66	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2-Nitrophenol	ND		210	9.4	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
3,3'-Dichlorobenzidine	ND		210	180	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
3-Nitroaniline	ND		400	47	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND		400	71	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
4-Bromophenyl phenyl ether	ND		210	65	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
4-Chloro-3-methylphenol	ND		210	8.5	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
4-Chloroaniline	ND		210	60	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
4-Chlorophenyl phenyl ether	ND		210	4.4	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
4-Methylphenol	ND		400	11	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
4-Nitroaniline	ND		400	23	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
4-Nitrophenol	ND		400	50	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Acenaphthene	ND		210	2.4	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Acenaphthylene	ND		210	1.7	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Acetophenone	ND		210	11	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Anthracene	ND		210	5.3	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Atrazine	ND		210	9.1	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Benzaldehyde	ND		210	23	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Benzo(a)anthracene	ND		210	3.5	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-08 (SP-8-4-6 - Solid) - cont. **Sampled: 12/06/10 13:00** **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	ND		210	5.0	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Benzo(b)fluoranthene	ND		210	4.0	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Benzo(ghi)perylene	ND		210	2.5	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Benzo(k)fluoranthene	ND		210	2.3	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Biphenyl	ND		210	13	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Bis(2-chloroethoxy)methane	ND		210	11	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Bis(2-chloroethyl)ether	ND		210	18	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND		210	21	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Bis(2-ethylhexyl) phthalate	ND		210	66	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Butyl benzyl phthalate	ND		210	55	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Caprolactam	ND		210	89	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Carbazole	ND		210	2.4	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Chrysene	ND		210	2.1	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Dibenzo(a,h)anthracene	ND		210	2.4	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Dibenzofuran	ND		210	2.1	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Diethyl phthalate	ND		210	6.2	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Dimethyl phthalate	ND		210	5.4	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Di-n-butyl phthalate	ND		210	71	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Di-n-octyl phthalate	ND		210	4.8	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Fluoranthene	ND		210	3.0	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Fluorene	ND		210	4.7	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Hexachlorobenzene	ND		210	10	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Hexachlorobutadiene	ND		210	11	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Hexachlorocyclopentadiene	ND		210	62	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Hexachloroethane	ND		210	16	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Indeno(1,2,3-cd)pyrene	ND		210	5.7	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Isophorone	ND		210	10	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Naphthalene	ND		210	3.4	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Nitrobenzene	ND		210	9.1	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
N-Nitrosodi-n-propylamine	ND		210	16	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
N-Nitrosodiphenylamine	ND		210	11	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Pentachlorophenol	ND		400	71	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Phenanthrene	ND		210	4.3	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Phenol	ND		210	22	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Pyrene	ND		210	1.3	ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
2,4,6-Tribromophenol	*107 %*		*Surr Limits: (39-146%)*				*12/08/10 03:26*	*JLG*	*10L0497*	*8270C*
2-Fluorobiphenyl	*82 %*		*Surr Limits: (37-120%)*				*12/08/10 03:26*	*JLG*	*10L0497*	*8270C*
2-Fluorophenol	*70 %*		*Surr Limits: (18-120%)*				*12/08/10 03:26*	*JLG*	*10L0497*	*8270C*
Nitrobenzene-d5	*80 %*		*Surr Limits: (34-132%)*				*12/08/10 03:26*	*JLG*	*10L0497*	*8270C*
Phenol-d5	*78 %*		*Surr Limits: (11-120%)*				*12/08/10 03:26*	*JLG*	*10L0497*	*8270C*
p-Terphenyl-d14	*86 %*		*Surr Limits: (58-147%)*				*12/08/10 03:26*	*JLG*	*10L0497*	*8270C*
Semivolatile Organics TICs by GC/MS										
No TICs found (NOTICS)	ND				ug/kg dry	1.00	12/08/10 03:26	JLG	10L0497	8270C
Polychlorinated Biphenyls by EPA Method 8082										

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-08 (SP-8-4-6 - Solid) - cont.						**Sampled: 12/06/10 13:00**		**Recvd: 12/06/10 17:15**		
Polychlorinated Biphenyls by EPA Method 8082 - cont.										
Aroclor 1016	ND	QSU	20	3.9	ug/kg dry	1.00	12/08/10 18:16	tchro	10L0498	8082
Aroclor 1221	ND	QSU	20	3.9	ug/kg dry	1.00	12/08/10 18:16	tchro	10L0498	8082
Aroclor 1232	ND	QSU	20	3.9	ug/kg dry	1.00	12/08/10 18:16	tchro	10L0498	8082
Aroclor 1242	ND	QSU	20	4.3	ug/kg dry	1.00	12/08/10 18:16	tchro	10L0498	8082
Aroclor 1248	ND	QSU	20	3.9	ug/kg dry	1.00	12/08/10 18:16	tchro	10L0498	8082
Aroclor 1254	ND	QSU	20	4.2	ug/kg dry	1.00	12/08/10 18:16	tchro	10L0498	8082
Aroclor 1260	ND	QSU	20	9.3	ug/kg dry	1.00	12/08/10 18:16	tchro	10L0498	8082
Decachlorobiphenyl	*98 %*	*QSU*	*Surr Limits: (34-148%)*				*12/08/10 18:16*	*tchro*	*10L0498*	*8082*
Tetrachloro-m-xylene	*97 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 18:16*	*tchro*	*10L0498*	*8082*
Total Metals by SW 846 Series Methods										
Aluminum	**17400**	B	11.9	5.3	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Antimony	ND		17.9	0.6	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Arsenic	**5.7**		2.4	0.5	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Barium	**41.2**		0.597	0.131	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Beryllium	**0.903**		0.239	0.033	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Cadmium	**0.182**	J	0.239	0.036	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Calcium	**49300**	B	59.7	3.9	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Chromium	**24.1**		0.597	0.239	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Cobalt	**13.3**		0.597	0.060	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Copper	**24.7**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Iron	**29300**	B	11.9	1.3	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Lead	**9.7**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Magnesium	**14000**		23.9	1.1	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Manganese	**475**	B	0.2	0.04	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Nickel	**34.6**		5.97	0.275	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Potassium	**2260**		35.8	23.9	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Selenium	ND		4.8	0.7	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Silver	ND		0.597	0.239	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Sodium	**322**		167	15.5	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Thallium	ND		7.2	0.4	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Vanadium	**32.1**		0.597	0.131	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Zinc	**61.7**	B	2.4	0.2	mg/kg dry	1.00	12/09/10 10:27	AMH	10L0535	6010B
Mercury	ND		0.0245	0.0099	mg/kg dry	1.00	12/08/10 12:34	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**81**		0.010	NR	%	1.00	12/07/10 15:32	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-09 (SP-9-2-4 - Solid) — **Sampled: 12/06/10 13:40** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.4	0.46	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,1,2,2-Tetrachloroethane	ND		6.4	1.0	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,1,2-Trichloroethane	ND		6.4	0.83	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		6.4	1.5	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,1-Dichloroethane	ND		6.4	0.78	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,1-Dichloroethene	ND		6.4	0.78	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,2,4-Trichlorobenzene	ND		6.4	0.39	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,2,4-Trimethylbenzene	ND		6.4	1.2	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,2-Dibromo-3-chloropropane	ND		6.4	3.2	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,2-Dibromoethane (EDB)	ND		6.4	0.82	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,2-Dichlorobenzene	ND		6.4	0.50	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,2-Dichloroethane	ND		6.4	0.32	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,2-Dichloropropane	ND		6.4	3.2	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	ND		6.4	0.41	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,3-Dichlorobenzene	ND		6.4	0.33	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,4-Dichlorobenzene	ND		6.4	0.89	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
2-Butanone (MEK)	**27**	J	32	2.3	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
2-Hexanone	ND		32	3.2	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
4-Isopropyltoluene	ND		6.4	0.51	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Acetone	**100**		32	5.4	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Benzene	ND		6.4	0.31	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Bromodichloromethane	ND		6.4	0.85	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Bromoform	ND		6.4	3.2	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Bromomethane	ND		6.4	0.57	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Carbon disulfide	ND		6.4	3.2	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Carbon Tetrachloride	ND		6.4	0.62	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Chlorobenzene	ND		6.4	0.84	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Chlorodibromomethane	ND		6.4	0.82	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Chloroethane	ND		6.4	1.4	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Chloroform	ND		6.4	0.39	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Chloromethane	ND		6.4	0.39	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
cis-1,2-Dichloroethene	ND		6.4	0.82	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
cis-1,3-Dichloropropene	ND		6.4	0.92	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Cyclohexane	ND		6.4	0.89	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Dichlorodifluoromethane	ND		6.4	0.53	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Ethylbenzene	ND		6.4	0.44	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Isopropylbenzene	ND		6.4	0.96	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Methyl Acetate	ND		6.4	1.2	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Methyl tert-Butyl Ether	ND		6.4	0.63	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Methylcyclohexane	ND		6.4	0.97	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Methylene Chloride	**27**		6.4	2.9	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Naphthalene	ND		6.4	0.85	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
n-Butylbenzene	ND		6.4	0.55	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
n-Propylbenzene	ND		6.4	0.51	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
sec-Butylbenzene	ND		6.4	0.55	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Styrene	ND		6.4	0.32	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-09 (SP-9-2-4 - Solid) - cont.						**Sampled: 12/06/10 13:40**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		6.4	0.66	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Tetrachloroethene	ND		6.4	0.86	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Toluene	ND		6.4	0.48	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
trans-1,2-Dichloroethene	ND		6.4	0.66	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
trans-1,3-Dichloropropene	ND		6.4	2.8	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Trichloroethene	ND		6.4	1.4	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Trichlorofluoromethane	ND		6.4	0.60	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Vinyl chloride	ND		6.4	0.78	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Xylenes, total	ND		13	1.1	ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
1,2-Dichloroethane-d4	*119 %*		*Surr Limits: (64-126%)*				*12/08/10 17:08*	*PJQ*	*10L0624*	*8260B*
4-Bromofluorobenzene	*106 %*		*Surr Limits: (72-126%)*				*12/08/10 17:08*	*PJQ*	*10L0624*	*8260B*
Toluene-d8	*107 %*		*Surr Limits: (71-125%)*				*12/08/10 17:08*	*PJQ*	*10L0624*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Hexane (110-54-3)	**12**		Ret Time: 4.145		ug/kg dry	1.00	12/08/10 17:08	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		210	46	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2,4,6-Trichlorophenol	ND		210	14	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2,4-Dichlorophenol	ND		210	11	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2,4-Dimethylphenol	ND		210	57	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2,4-Dinitrophenol	ND		410	74	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2,4-Dinitrotoluene	ND		210	33	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2,6-Dinitrotoluene	ND		210	52	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2-Chloronaphthalene	ND		210	14	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2-Chlorophenol	ND		210	11	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2-Methylnaphthalene	ND		210	2.6	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2-Methylphenol	ND		210	6.5	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2-Nitroaniline	ND		410	68	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2-Nitrophenol	ND		210	9.7	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
3,3'-Dichlorobenzidine	ND		210	190	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
3-Nitroaniline	ND		410	49	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND		410	73	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
4-Bromophenyl phenyl ether	ND		210	68	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
4-Chloro-3-methylphenol	ND		210	8.7	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
4-Chloroaniline	ND		210	62	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
4-Chlorophenyl phenyl ether	ND		210	4.5	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
4-Methylphenol	ND		410	12	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
4-Nitroaniline	ND		410	24	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
4-Nitrophenol	ND		410	51	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Acenaphthene	ND		210	2.5	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Acenaphthylene	ND		210	1.7	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Acetophenone	ND		210	11	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Anthracene	ND		210	5.4	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Atrazine	ND		210	9.4	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Benzaldehyde	ND		210	23	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Benzo(a)anthracene	ND		210	3.7	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C

PARS Environmental, Inc.
6A South Gold Drive
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-09 (SP-9-2-4 - Solid) - cont. **Sampled: 12/06/10 13:40** **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	ND		210	5.1	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Benzo(b)fluoranthene	ND		210	4.1	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Benzo(ghi)perylene	ND		210	2.5	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Benzo(k)fluoranthene	ND		210	2.3	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Biphenyl	ND		210	13	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Bis(2-chloroethoxy)methane	ND		210	12	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Bis(2-chloroethyl)ether	ND		210	18	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND		210	22	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Bis(2-ethylhexyl) phthalate	**100**	J	210	68	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Butyl benzyl phthalate	ND		210	57	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Caprolactam	ND		210	92	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Carbazole	ND		210	2.5	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Chrysene	ND		210	2.1	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Dibenzo(a,h)anthracene	ND		210	2.5	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Dibenzofuran	ND		210	2.2	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Diethyl phthalate	ND		210	6.4	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Dimethyl phthalate	ND		210	5.5	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Di-n-butyl phthalate	ND		210	73	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Di-n-octyl phthalate	ND		210	5.0	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Fluoranthene	ND		210	3.1	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Fluorene	ND		210	4.9	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Hexachlorobenzene	ND		210	11	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Hexachlorobutadiene	ND		210	11	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Hexachlorocyclopentadiene	ND		210	64	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Hexachloroethane	ND		210	16	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Indeno(1,2,3-cd)pyrene	ND		210	5.9	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Isophorone	ND		210	11	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Naphthalene	ND		210	3.5	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Nitrobenzene	ND		210	9.4	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
N-Nitrosodi-n-propylamine	ND		210	17	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
N-Nitrosodiphenylamine	ND		210	12	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Pentachlorophenol	ND		410	73	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Phenanthrene	ND		210	4.5	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Phenol	ND		210	22	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
Pyrene	ND		210	1.4	ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C
2,4,6-Tribromophenol	*120 %*		*Surr Limits: (39-146%)*				*12/08/10 12:41*	*MKP*	*10L0497*	*8270C*
2-Fluorobiphenyl	*83 %*		*Surr Limits: (37-120%)*				*12/08/10 12:41*	*MKP*	*10L0497*	*8270C*
2-Fluorophenol	*67 %*		*Surr Limits: (18-120%)*				*12/08/10 12:41*	*MKP*	*10L0497*	*8270C*
Nitrobenzene-d5	*78 %*		*Surr Limits: (34-132%)*				*12/08/10 12:41*	*MKP*	*10L0497*	*8270C*
Phenol-d5	*75 %*		*Surr Limits: (11-120%)*				*12/08/10 12:41*	*MKP*	*10L0497*	*8270C*
p-Terphenyl-d14	*87 %*		*Surr Limits: (58-147%)*				*12/08/10 12:41*	*MKP*	*10L0497*	*8270C*
Semivolatile Organics TICs by GC/MS										
No TICs found (NOTICS)	ND				ug/kg dry	1.00	12/08/10 12:41	MKP	10L0497	8270C

Polychlorinated Biphenyls by EPA Method 8082

PARS Environmental, Inc.
6A South Gold Drive
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-09 (SP-9-2-4 - Solid) - cont.						**Sampled: 12/06/10 13:40**		**Recvd: 12/06/10 17:15**		
Polychlorinated Biphenyls by EPA Method 8082 - cont.										
Aroclor 1016	ND	QSU	21	4.1	ug/kg dry	1.00	12/08/10 18:31	tchro	10L0498	8082
Aroclor 1221	ND	QSU	21	4.1	ug/kg dry	1.00	12/08/10 18:31	tchro	10L0498	8082
Aroclor 1232	ND	QSU	21	4.1	ug/kg dry	1.00	12/08/10 18:31	tchro	10L0498	8082
Aroclor 1242	ND	QSU	21	4.6	ug/kg dry	1.00	12/08/10 18:31	tchro	10L0498	8082
Aroclor 1248	ND	QSU	21	4.1	ug/kg dry	1.00	12/08/10 18:31	tchro	10L0498	8082
Aroclor 1254	ND	QSU	21	4.4	ug/kg dry	1.00	12/08/10 18:31	tchro	10L0498	8082
Aroclor 1260	ND	QSU	21	9.8	ug/kg dry	1.00	12/08/10 18:31	tchro	10L0498	8082
Decachlorobiphenyl	*97 %*	*QSU*	*Surr Limits: (34-148%)*				*12/08/10 18:31*	*tchro*	*10L0498*	*8082*
Tetrachloro-m-xylene	*98 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 18:31*	*tchro*	*10L0498*	*8082*
Total Metals by SW 846 Series Methods										
Aluminum	**23500**	B	12.2	5.4	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Antimony	ND		18.4	0.7	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Arsenic	**3.4**		2.4	0.5	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Barium	**106**		0.612	0.135	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Beryllium	**1.15**		0.245	0.034	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Cadmium	**0.153**	J	0.245	0.037	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Calcium	**1570**	B	61.2	4.0	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Chromium	**30.8**		0.612	0.245	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Cobalt	**23.1**		0.612	0.061	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Copper	**30.7**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Iron	**31600**	B1, B	12.2	1.3	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Lead	**7.5**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Magnesium	**8100**		24.5	1.1	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Manganese	**432**	B	0.2	0.04	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Nickel	**37.7**		6.12	0.282	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Potassium	**1700**		36.7	24.5	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Selenium	ND		4.9	0.7	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Silver	ND		0.612	0.245	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Sodium	**150**	J	171	15.9	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Thallium	ND		7.3	0.4	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Vanadium	**32.3**		0.612	0.135	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Zinc	**74.0**	B	2.4	0.2	mg/kg dry	1.00	12/09/10 10:33	AMH	10L0535	6010B
Mercury	**0.0218**	J	0.0240	0.0097	mg/kg dry	1.00	12/08/10 12:36	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**78**		0.010	NR	%	1.00	12/07/10 15:34	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-10 (SP-10-2-4 - Solid) — **Sampled: 12/06/10 14:15** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.2	0.45	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,1,2,2-Tetrachloroethane	ND		6.2	1.0	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,1,2-Trichloroethane	ND		6.2	0.80	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		6.2	1.4	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,1-Dichloroethane	ND		6.2	0.75	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,1-Dichloroethene	ND		6.2	0.75	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,2,4-Trichlorobenzene	ND		6.2	0.37	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,2,4-Trimethylbenzene	ND		6.2	1.2	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,2-Dibromo-3-chloropropane	ND		6.2	3.1	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,2-Dibromoethane (EDB)	ND		6.2	0.79	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,2-Dichlorobenzene	ND		6.2	0.48	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,2-Dichloroethane	ND		6.2	0.31	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,2-Dichloropropane	ND		6.2	3.1	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	ND		6.2	0.40	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,3-Dichlorobenzene	ND		6.2	0.32	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,4-Dichlorobenzene	ND		6.2	0.86	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
2-Butanone (MEK)	**8.9**	J	31	2.3	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
2-Hexanone	ND		31	3.1	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
4-Isopropyltoluene	ND		6.2	0.49	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
4-Methyl-2-pentanone (MIBK)	ND		31	2.0	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Acetone	**45**		31	5.2	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Benzene	ND		6.2	0.30	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Bromodichloromethane	ND		6.2	0.83	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Bromoform	ND		6.2	3.1	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Bromomethane	ND		6.2	0.55	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Carbon disulfide	ND		6.2	3.1	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Carbon Tetrachloride	ND		6.2	0.60	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Chlorobenzene	ND		6.2	0.81	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Chlorodibromomethane	ND		6.2	0.79	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Chloroethane	ND		6.2	1.4	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Chloroform	ND		6.2	0.38	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Chloromethane	ND		6.2	0.37	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
cis-1,2-Dichloroethene	ND		6.2	0.79	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
cis-1,3-Dichloropropene	ND		6.2	0.89	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Cyclohexane	ND		6.2	0.86	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Dichlorodifluoromethane	ND		6.2	0.51	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Ethylbenzene	ND		6.2	0.43	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Isopropylbenzene	ND		6.2	0.93	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Methyl Acetate	ND		6.2	1.1	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Methyl tert-Butyl Ether	ND		6.2	0.61	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Methylcyclohexane	ND		6.2	0.94	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Methylene Chloride	**24**		6.2	2.8	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Naphthalene	ND		6.2	0.83	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
n-Butylbenzene	ND		6.2	0.54	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
n-Propylbenzene	ND		6.2	0.49	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
sec-Butylbenzene	ND		6.2	0.54	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Styrene	ND		6.2	0.31	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B

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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-10 (SP-10-2-4 - Solid) - cont. **Sampled: 12/06/10 14:15** **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		6.2	0.64	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Tetrachloroethene	ND		6.2	0.83	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Toluene	ND		6.2	0.47	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
trans-1,2-Dichloroethene	ND		6.2	0.64	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
trans-1,3-Dichloropropene	ND		6.2	2.7	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Trichloroethene	ND		6.2	1.4	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Trichlorofluoromethane	ND		6.2	0.58	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Vinyl chloride	ND		6.2	0.75	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Xylenes, total	ND		12	1.0	ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
1,2-Dichloroethane-d4	*116 %*		*Surr Limits: (64-126%)*				*12/08/10 17:33*	*PJQ*	*10L0624*	*8260B*
4-Bromofluorobenzene	*105 %*		*Surr Limits: (72-126%)*				*12/08/10 17:33*	*PJQ*	*10L0624*	*8260B*
Toluene-d8	*106 %*		*Surr Limits: (71-125%)*				*12/08/10 17:33*	*PJQ*	*10L0624*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Hexane (110-54-3)	**10**		Ret Time: 4.145		ug/kg dry	1.00	12/08/10 17:33	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		210	45	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2,4,6-Trichlorophenol	ND		210	14	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2,4-Dichlorophenol	ND		210	11	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2,4-Dimethylphenol	ND		210	56	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2,4-Dinitrophenol	ND		400	72	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2,4-Dinitrotoluene	ND		210	32	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2,6-Dinitrotoluene	ND		210	51	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2-Chloronaphthalene	ND		210	14	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2-Chlorophenol	ND		210	11	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2-Methylnaphthalene	ND		210	2.5	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2-Methylphenol	ND		210	6.4	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2-Nitroaniline	ND		400	66	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2-Nitrophenol	ND		210	9.4	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
3,3'-Dichlorobenzidine	ND		210	180	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
3-Nitroaniline	ND		400	48	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND		400	71	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
4-Bromophenyl phenyl ether	ND		210	66	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
4-Chloro-3-methylphenol	ND		210	8.5	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
4-Chloroaniline	ND		210	61	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
4-Chlorophenyl phenyl ether	ND		210	4.4	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
4-Methylphenol	ND		400	12	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
4-Nitroaniline	ND		400	23	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
4-Nitrophenol	ND		400	50	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Acenaphthene	ND		210	2.4	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Acenaphthylene	ND		210	1.7	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Acetophenone	ND		210	11	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Anthracene	ND		210	5.3	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Atrazine	ND		210	9.2	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Benzaldehyde	ND		210	23	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Benzo(a)anthracene	ND		210	3.6	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C

PARS Environmental, Inc.
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
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Analytical Report

Sample ID: RTL0572-10 (SP-10-2-4 - Solid) - cont. — **Sampled: 12/06/10 14:15** — **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	ND		210	5.0	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Benzo(b)fluoranthene	**13**	ID4, J	210	4.0	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Benzo(ghi)perylene	ND		210	2.5	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Benzo(k)fluoranthene	ND		210	2.3	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Biphenyl	ND		210	13	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Bis(2-chloroethoxy)methane	ND		210	11	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Bis(2-chloroethyl)ether	ND		210	18	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND		210	22	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Bis(2-ethylhexyl) phthalate	ND		210	67	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Butyl benzyl phthalate	ND		210	55	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Caprolactam	ND		210	89	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Carbazole	ND		210	2.4	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Chrysene	ND		210	2.1	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Dibenzo(a,h)anthracene	ND		210	2.4	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Dibenzofuran	ND		210	2.2	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Diethyl phthalate	ND		210	6.2	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Dimethyl phthalate	ND		210	5.4	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Di-n-butyl phthalate	ND		210	71	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Di-n-octyl phthalate	ND		210	4.8	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Fluoranthene	**22**	J	210	3.0	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Fluorene	ND		210	4.8	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Hexachlorobenzene	ND		210	10	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Hexachlorobutadiene	ND		210	11	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Hexachlorocyclopentadiene	ND		210	62	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Hexachloroethane	ND		210	16	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Indeno(1,2,3-cd)pyrene	ND		210	5.7	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Isophorone	ND		210	10	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Naphthalene	ND		210	3.4	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Nitrobenzene	ND		210	9.2	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
N-Nitrosodi-n-propylamine	ND		210	16	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
N-Nitrosodiphenylamine	ND		210	11	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Pentachlorophenol	ND		400	71	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Phenanthrene	ND		210	4.3	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Phenol	ND		210	22	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Pyrene	**14**	J	210	1.3	ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
2,4,6-Tribromophenol	*114 %*		*Surr Limits: (39-146%)*				*12/08/10 13:04*	*MKP*	*10L0497*	*8270C*
2-Fluorobiphenyl	*76 %*		*Surr Limits: (37-120%)*				*12/08/10 13:04*	*MKP*	*10L0497*	*8270C*
2-Fluorophenol	*62 %*		*Surr Limits: (18-120%)*				*12/08/10 13:04*	*MKP*	*10L0497*	*8270C*
Nitrobenzene-d5	*70 %*		*Surr Limits: (34-132%)*				*12/08/10 13:04*	*MKP*	*10L0497*	*8270C*
Phenol-d5	*71 %*		*Surr Limits: (11-120%)*				*12/08/10 13:04*	*MKP*	*10L0497*	*8270C*
p-Terphenyl-d14	*82 %*		*Surr Limits: (58-147%)*				*12/08/10 13:04*	*MKP*	*10L0497*	*8270C*
Semivolatile Organics TICs by GC/MS										
Unknown01 (none)	**220**		Ret Time: 14.012		ug/kg dry	1.00	12/08/10 13:04	MKP	10L0497	8270C
Polychlorinated Biphenyls by EPA Method 8082										

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-10 (SP-10-2-4 - Solid) - cont.						**Sampled: 12/06/10 14:15**		**Recvd: 12/06/10 17:15**		
Polychlorinated Biphenyls by EPA Method 8082 - cont.										
Aroclor 1016	ND	QSU	21	4.0	ug/kg dry	1.00	12/08/10 18:45	tchro	10L0498	8082
Aroclor 1221	ND	QSU	21	4.0	ug/kg dry	1.00	12/08/10 18:45	tchro	10L0498	8082
Aroclor 1232	ND	QSU	21	4.0	ug/kg dry	1.00	12/08/10 18:45	tchro	10L0498	8082
Aroclor 1242	ND	QSU	21	4.4	ug/kg dry	1.00	12/08/10 18:45	tchro	10L0498	8082
Aroclor 1248	ND	QSU	21	4.0	ug/kg dry	1.00	12/08/10 18:45	tchro	10L0498	8082
Aroclor 1254	ND	QSU	21	4.3	ug/kg dry	1.00	12/08/10 18:45	tchro	10L0498	8082
Aroclor 1260	ND	QSU	21	9.6	ug/kg dry	1.00	12/08/10 18:45	tchro	10L0498	8082
Decachlorobiphenyl	*98 %*	*QSU*	*Surr Limits: (34-148%)*				*12/08/10 18:45*	*tchro*	*10L0498*	*8082*
Tetrachloro-m-xylene	*91 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 18:45*	*tchro*	*10L0498*	*8082*
Total Metals by SW 846 Series Methods										
Aluminum	**9870**	B	12.1	5.3	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Antimony	ND		18.1	0.7	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Arsenic	**1.9**	J	2.4	0.5	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Barium	**71.9**		0.603	0.133	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Beryllium	**0.456**		0.241	0.034	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Cadmium	**0.157**	J	0.241	0.036	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Calcium	**3040**	B	60.3	4.0	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Chromium	**11.2**		0.603	0.241	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Cobalt	**2.40**		0.603	0.060	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Copper	**7.1**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Iron	**8600**	B1, B	12.1	1.3	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Lead	**11.7**		1.2	0.3	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Magnesium	**2130**		24.1	1.1	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Manganese	**84.0**	B	0.2	0.04	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Nickel	**9.53**		6.03	0.277	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Potassium	**1240**		36.2	24.1	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Selenium	ND		4.8	0.7	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Silver	ND		0.603	0.241	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Sodium	**111**	J	169	15.7	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Thallium	ND		7.2	0.4	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Vanadium	**9.58**		0.603	0.133	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Zinc	**30.1**	B	2.4	0.2	mg/kg dry	1.00	12/09/10 10:35	AMH	10L0535	6010B
Mercury	**0.0685**		0.0240	0.0097	mg/kg dry	1.00	12/08/10 12:37	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**79**		0.010	NR	%	1.00	12/07/10 15:36	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-11 (SP-11-2-4 - Solid) — **Sampled: 12/06/10 14:35** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.6	0.48	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,1,2,2-Tetrachloroethane	ND		6.6	1.1	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,1,2-Trichloroethane	ND		6.6	0.85	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		6.6	1.5	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,1-Dichloroethane	ND		6.6	0.80	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,1-Dichloroethene	ND		6.6	0.80	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,2,4-Trichlorobenzene	ND		6.6	0.40	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,2,4-Trimethylbenzene	ND		6.6	1.3	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,2-Dibromo-3-chloropropane	ND		6.6	3.3	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,2-Dibromoethane (EDB)	ND		6.6	0.84	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,2-Dichlorobenzene	ND		6.6	0.51	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,2-Dichloroethane	ND		6.6	0.33	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,2-Dichloropropane	ND		6.6	3.3	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	ND		6.6	0.42	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,3-Dichlorobenzene	ND		6.6	0.34	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,4-Dichlorobenzene	ND		6.6	0.92	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
2-Butanone (MEK)	ND		33	2.4	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
2-Hexanone	ND		33	3.3	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
4-Isopropyltoluene	ND		6.6	0.53	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
4-Methyl-2-pentanone (MIBK)	ND		33	2.2	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Acetone	**48**		33	5.5	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Benzene	ND		6.6	0.32	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Bromodichloromethane	ND		6.6	0.88	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Bromoform	ND		6.6	3.3	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Bromomethane	ND		6.6	0.59	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Carbon disulfide	ND		6.6	3.3	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Carbon Tetrachloride	ND		6.6	0.64	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Chlorobenzene	ND		6.6	0.87	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Chlorodibromomethane	ND		6.6	0.84	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Chloroethane	ND		6.6	1.5	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Chloroform	ND		6.6	0.41	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Chloromethane	ND		6.6	0.40	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
cis-1,2-Dichloroethene	ND		6.6	0.84	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
cis-1,3-Dichloropropene	ND		6.6	0.95	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Cyclohexane	ND		6.6	0.92	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Dichlorodifluoromethane	ND		6.6	0.54	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Ethylbenzene	ND		6.6	0.45	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Isopropylbenzene	ND		6.6	0.99	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Methyl Acetate	ND		6.6	1.2	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Methyl tert-Butyl Ether	ND		6.6	0.64	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Methylcyclohexane	ND		6.6	1.0	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Methylene Chloride	**38**		6.6	3.0	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Naphthalene	ND		6.6	0.88	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
n-Butylbenzene	ND		6.6	0.57	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
n-Propylbenzene	ND		6.6	0.53	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
sec-Butylbenzene	ND		6.6	0.57	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Styrene	ND		6.6	0.33	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B

PARS Environmental, Inc.
6A South Gold Drive
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-11 (SP-11-2-4 - Solid) - cont. **Sampled: 12/06/10 14:35** **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		6.6	0.68	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Tetrachloroethene	ND		6.6	0.88	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Toluene	ND		6.6	0.50	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
trans-1,2-Dichloroethene	ND		6.6	0.68	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
trans-1,3-Dichloropropene	ND		6.6	2.9	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Trichloroethene	ND		6.6	1.4	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Trichlorofluoromethane	ND		6.6	0.62	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Vinyl chloride	ND		6.6	0.80	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Xylenes, total	ND		13	1.1	ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
1,2-Dichloroethane-d4	*114 %*		*Surr Limits: (64-126%)*				*12/08/10 17:59*	*PJQ*	*10L0624*	*8260B*
4-Bromofluorobenzene	*105 %*		*Surr Limits: (72-126%)*				*12/08/10 17:59*	*PJQ*	*10L0624*	*8260B*
Toluene-d8	*109 %*		*Surr Limits: (71-125%)*				*12/08/10 17:59*	*PJQ*	*10L0624*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Hexane (110-54-3)	**14**		Ret Time: 4.145		ug/kg dry	1.00	12/08/10 17:59	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		220	47	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2,4,6-Trichlorophenol	ND		220	14	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2,4-Dichlorophenol	ND		220	11	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2,4-Dimethylphenol	ND		220	59	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2,4-Dinitrophenol	ND		420	76	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2,4-Dinitrotoluene	ND		220	34	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2,6-Dinitrotoluene	ND		220	53	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2-Chloronaphthalene	ND		220	15	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2-Chlorophenol	ND		220	11	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2-Methylnaphthalene	ND		220	2.6	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2-Methylphenol	ND		220	6.7	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2-Nitroaniline	ND		420	70	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2-Nitrophenol	ND		220	9.9	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
3,3'-Dichlorobenzidine	ND		220	190	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
3-Nitroaniline	ND		420	50	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND		420	75	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
4-Bromophenyl phenyl ether	ND		220	69	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
4-Chloro-3-methylphenol	ND		220	8.9	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
4-Chloroaniline	ND		220	64	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
4-Chlorophenyl phenyl ether	ND		220	4.6	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
4-Methylphenol	ND		420	12	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
4-Nitroaniline	ND		420	24	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
4-Nitrophenol	ND		420	53	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Acenaphthene	ND		220	2.6	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Acenaphthylene	ND		220	1.8	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Acetophenone	ND		220	11	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Anthracene	ND		220	5.6	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Atrazine	ND		220	9.7	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Benzaldehyde	ND		220	24	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Benzo(a)anthracene	**16**	J	220	3.8	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C

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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

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Analytical Report

Sample ID: RTL0572-11 (SP-11-2-4 - Solid) - cont. **Sampled: 12/06/10 14:35** **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	ND		220	5.2	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Benzo(b)fluoranthene	**14**	ID4, J	220	4.2	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Benzo(ghi)perylene	ND		220	2.6	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Benzo(k)fluoranthene	ND		220	2.4	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Biphenyl	ND		220	14	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Bis(2-chloroethoxy)methane	ND		220	12	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Bis(2-chloroethyl)ether	ND		220	19	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND		220	23	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Bis(2-ethylhexyl) phthalate	ND		220	70	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Butyl benzyl phthalate	ND		220	58	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Caprolactam	ND		220	94	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Carbazole	ND		220	2.5	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Chrysene	ND		220	2.2	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Dibenzo(a,h)anthracene	ND		220	2.6	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Dibenzofuran	ND		220	2.3	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Diethyl phthalate	ND		220	6.6	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Dimethyl phthalate	ND		220	5.7	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Di-n-butyl phthalate	ND		220	75	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Di-n-octyl phthalate	ND		220	5.1	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Fluoranthene	**33**	J	220	3.1	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Fluorene	ND		220	5.0	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Hexachlorobenzene	ND		220	11	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Hexachlorobutadiene	ND		220	11	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Hexachlorocyclopentadiene	ND		220	66	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Hexachloroethane	ND		220	17	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Indeno(1,2,3-cd)pyrene	ND		220	6.0	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Isophorone	ND		220	11	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Naphthalene	ND		220	3.6	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Nitrobenzene	ND		220	9.6	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
N-Nitrosodi-n-propylamine	ND		220	17	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
N-Nitrosodiphenylamine	ND		220	12	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Pentachlorophenol	ND		420	75	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Phenanthrene	**25**	J	220	4.6	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Phenol	ND		220	23	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Pyrene	**24**	J	220	1.4	ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
2,4,6-Tribromophenol	*112 %*		*Surr Limits: (39-146%)*				*12/08/10 04:35*	*JLG*	*10L0497*	*8270C*
2-Fluorobiphenyl	*84 %*		*Surr Limits: (37-120%)*				*12/08/10 04:35*	*JLG*	*10L0497*	*8270C*
2-Fluorophenol	*75 %*		*Surr Limits: (18-120%)*				*12/08/10 04:35*	*JLG*	*10L0497*	*8270C*
Nitrobenzene-d5	*86 %*		*Surr Limits: (34-132%)*				*12/08/10 04:35*	*JLG*	*10L0497*	*8270C*
Phenol-d5	*84 %*		*Surr Limits: (11-120%)*				*12/08/10 04:35*	*JLG*	*10L0497*	*8270C*
p-Terphenyl-d14	*89 %*		*Surr Limits: (58-147%)*				*12/08/10 04:35*	*JLG*	*10L0497*	*8270C*
Semivolatile Organics TICs by GC/MS										
Taraxasterol (001059-14-9)	**1600**		Ret Time: 16.678		ug/kg dry	1.00	12/08/10 04:35	JLG	10L0497	8270C
Polychlorinated Biphenyls by EPA Method 8082										

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-11 (SP-11-2-4 - Solid) - cont.						**Sampled: 12/06/10 14:35**		**Recvd: 12/06/10 17:15**		
Polychlorinated Biphenyls by EPA Method 8082 - cont.										
Aroclor 1016	ND	QSU	21	4.2	ug/kg dry	1.00	12/08/10 19:00	tchro	10L0498	8082
Aroclor 1221	ND	QSU	21	4.2	ug/kg dry	1.00	12/08/10 19:00	tchro	10L0498	8082
Aroclor 1232	ND	QSU	21	4.2	ug/kg dry	1.00	12/08/10 19:00	tchro	10L0498	8082
Aroclor 1242	ND	QSU	21	4.6	ug/kg dry	1.00	12/08/10 19:00	tchro	10L0498	8082
Aroclor 1248	ND	QSU	21	4.2	ug/kg dry	1.00	12/08/10 19:00	tchro	10L0498	8082
Aroclor 1254	**51**	QSU	21	4.5	ug/kg dry	1.00	12/08/10 19:00	tchro	10L0498	8082
Aroclor 1260	**25**	QSU	21	10	ug/kg dry	1.00	12/08/10 19:00	tchro	10L0498	8082
Decachlorobiphenyl	*99 %*	*QSU*	*Surr Limits: (34-148%)*				*12/08/10 19:00*	*tchro*	*10L0498*	*8082*
Tetrachloro-m-xylene	*100 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 19:00*	*tchro*	*10L0498*	*8082*
Total Metals by SW 846 Series Methods										
Aluminum	**13600**	B	12.9	5.7	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Antimony	ND		19.4	0.7	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Arsenic	**2.1**	J	2.6	0.5	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Barium	**84.2**		0.645	0.142	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Beryllium	**0.583**		0.258	0.036	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Cadmium	**0.169**	J	0.258	0.039	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Calcium	**4300**	B	64.5	4.3	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Chromium	**15.0**		0.645	0.258	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Cobalt	**3.28**		0.645	0.065	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Copper	**7.3**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Iron	**16100**	B1, B	12.9	1.4	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Lead	**8.5**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Magnesium	**2850**		25.8	1.2	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Manganese	**162**	B	0.3	0.04	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Nickel	**11.5**		6.45	0.297	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Potassium	**1460**		38.7	25.8	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Selenium	ND		5.2	0.7	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Silver	ND		0.645	0.258	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Sodium	**112**	J	181	16.8	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Thallium	ND		7.7	0.4	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Vanadium	**12.5**		0.645	0.142	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Zinc	**35.9**	B	2.6	0.2	mg/kg dry	1.00	12/09/10 10:37	AMH	10L0535	6010B
Mercury	**0.0703**		0.0269	0.0109	mg/kg dry	1.00	12/08/10 12:39	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**76**		0.010	NR	%	1.00	12/07/10 15:38	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-12 (DUP-1 - Solid) — **Sampled: 12/06/10** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.4	0.40	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,1,2,2-Tetrachloroethane	ND		5.4	0.88	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,1,2-Trichloroethane	ND		5.4	0.71	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		5.4	1.2	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,1-Dichloroethane	ND		5.4	0.66	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,1-Dichloroethene	ND		5.4	0.67	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,2,4-Trimethylbenzene	ND		5.4	1.0	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,2-Dibromo-3-chloropropane	ND		5.4	2.7	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,2-Dibromoethane (EDB)	ND		5.4	0.70	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,2-Dichlorobenzene	ND		5.4	0.43	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,2-Dichloroethane	ND		5.4	0.27	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,2-Dichloropropane	ND		5.4	2.7	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	ND		5.4	0.35	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,3-Dichlorobenzene	ND		5.4	0.28	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,4-Dichlorobenzene	ND		5.4	0.76	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
2-Butanone (MEK)	ND		27	2.0	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
2-Hexanone	ND		27	2.7	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
4-Isopropyltoluene	ND		5.4	0.44	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Acetone	**49**		27	4.6	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Benzene	ND		5.4	0.27	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Bromodichloromethane	ND		5.4	0.73	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Bromoform	ND		5.4	2.7	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Bromomethane	ND		5.4	0.49	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Carbon disulfide	ND		5.4	2.7	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Carbon Tetrachloride	ND		5.4	0.53	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Chlorobenzene	ND		5.4	0.72	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Chlorodibromomethane	ND		5.4	0.70	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Chloroethane	ND		5.4	1.2	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Chloroform	ND		5.4	0.34	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Chloromethane	ND		5.4	0.33	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
cis-1,2-Dichloroethene	ND		5.4	0.70	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Cyclohexane	ND		5.4	0.76	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Dichlorodifluoromethane	ND		5.4	0.45	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Ethylbenzene	ND		5.4	0.38	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Isopropylbenzene	ND		5.4	0.82	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Methyl Acetate	ND		5.4	1.0	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Methyl tert-Butyl Ether	ND		5.4	0.54	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Methylcyclohexane	ND		5.4	0.83	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Methylene Chloride	**20**		5.4	2.5	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Naphthalene	ND		5.4	0.73	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
n-Butylbenzene	ND		5.4	0.47	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
n-Propylbenzene	ND		5.4	0.44	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
sec-Butylbenzene	ND		5.4	0.47	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Styrene	ND		5.4	0.27	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B

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Project: NF Armed Forces Reserve Center Solids Testing
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-12 (DUP-1 - Solid) - cont.						**Sampled: 12/06/10**			**Recvd: 12/06/10 17:15**	
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		5.4	0.57	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Tetrachloroethene	ND		5.4	0.73	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Toluene	ND		5.4	0.41	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Trichloroethene	ND		5.4	1.2	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Trichlorofluoromethane	ND		5.4	0.52	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Vinyl chloride	ND		5.4	0.66	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Xylenes, total	ND		11	0.92	ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
1,2-Dichloroethane-d4	*117 %*		*Surr Limits: (64-126%)*				*12/08/10 18:24*	*PJQ*	*10L0624*	*8260B*
4-Bromofluorobenzene	*105 %*		*Surr Limits: (72-126%)*				*12/08/10 18:24*	*PJQ*	*10L0624*	*8260B*
Toluene-d8	*105 %*		*Surr Limits: (71-125%)*				*12/08/10 18:24*	*PJQ*	*10L0624*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Hexane (110-54-3)	**8.1**		Ret Time: 4.145		ug/kg dry	1.00	12/08/10 18:24	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		190	40	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2,4,6-Trichlorophenol	ND		190	12	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2,4-Dichlorophenol	ND		190	9.7	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2,4-Dimethylphenol	ND		190	50	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2,4-Dinitrophenol	ND		360	65	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2,4-Dinitrotoluene	ND		190	29	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2,6-Dinitrotoluene	ND		190	45	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2-Chloronaphthalene	ND		190	12	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2-Chlorophenol	ND		190	9.4	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2-Methylnaphthalene	ND		190	2.2	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2-Methylphenol	ND		190	5.7	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2-Nitroaniline	ND		360	59	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2-Nitrophenol	ND		190	8.4	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
3,3'-Dichlorobenzidine	ND		190	160	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
3-Nitroaniline	ND		360	42	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND		360	64	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
4-Bromophenyl phenyl ether	ND		190	59	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
4-Chloro-3-methylphenol	ND		190	7.6	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
4-Chloroaniline	ND		190	54	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
4-Chlorophenyl phenyl ether	ND		190	3.9	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
4-Methylphenol	ND		360	10	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
4-Nitroaniline	ND		360	21	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
4-Nitrophenol	ND		360	45	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Acenaphthene	ND		190	2.2	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Acenaphthylene	ND		190	1.5	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Acetophenone	ND		190	9.5	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Anthracene	ND		190	4.7	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Atrazine	ND		190	8.2	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Benzaldehyde	ND		190	20	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Benzo(a)anthracene	ND		190	3.2	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C

PARS Environmental, Inc.
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-12 (DUP-1 - Solid) - cont.						**Sampled: 12/06/10**			**Recvd: 12/06/10 17:15**	
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	ND		190	4.5	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Benzo(b)fluoranthene	ND		190	3.6	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Benzo(ghi)perylene	ND		190	2.2	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Benzo(k)fluoranthene	ND		190	2.0	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Biphenyl	ND		190	12	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Bis(2-chloroethoxy)methane	ND		190	10	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Bis(2-chloroethyl)ether	ND		190	16	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND		190	19	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Bis(2-ethylhexyl) phthalate	ND		190	60	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Butyl benzyl phthalate	ND		190	50	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Caprolactam	ND		190	80	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Carbazole	ND		190	2.1	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Chrysene	ND		190	1.8	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Dibenzo(a,h)anthracene	ND		190	2.2	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Dibenzofuran	ND		190	1.9	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Diethyl phthalate	ND		190	5.6	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Dimethyl phthalate	ND		190	4.8	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Di-n-butyl phthalate	ND		190	64	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Di-n-octyl phthalate	ND		190	4.3	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Fluoranthene	ND		190	2.7	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Fluorene	ND		190	4.3	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Hexachlorobenzene	ND		190	9.2	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Hexachlorobutadiene	ND		190	9.5	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Hexachlorocyclopentadiene	ND		190	56	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Hexachloroethane	ND		190	14	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Indeno(1,2,3-cd)pyrene	ND		190	5.1	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Isophorone	ND		190	9.2	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Naphthalene	ND		190	3.1	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Nitrobenzene	ND		190	8.2	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
N-Nitrosodiphenylamine	ND		190	10	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Pentachlorophenol	ND		360	63	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Phenanthrene	ND		190	3.9	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Phenol	ND		190	19	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Pyrene	ND		190	1.2	ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
2,4,6-Tribromophenol	*105 %*		*Surr Limits: (39-146%)*				*12/08/10 04:58*	*JLG*	*10L0497*	*8270C*
2-Fluorobiphenyl	*76 %*		*Surr Limits: (37-120%)*				*12/08/10 04:58*	*JLG*	*10L0497*	*8270C*
2-Fluorophenol	*66 %*		*Surr Limits: (18-120%)*				*12/08/10 04:58*	*JLG*	*10L0497*	*8270C*
Nitrobenzene-d5	*75 %*		*Surr Limits: (34-132%)*				*12/08/10 04:58*	*JLG*	*10L0497*	*8270C*
Phenol-d5	*74 %*		*Surr Limits: (11-120%)*				*12/08/10 04:58*	*JLG*	*10L0497*	*8270C*
p-Terphenyl-d14	*84 %*		*Surr Limits: (58-147%)*				*12/08/10 04:58*	*JLG*	*10L0497*	*8270C*
Semivolatile Organics TICs by GC/MS										
No TICs found (NOTICS)	ND				ug/kg dry	1.00	12/08/10 04:58	JLG	10L0497	8270C
Polychlorinated Biphenyls by EPA Method 8082										

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-12 (DUP-1 - Solid) - cont.						**Sampled: 12/06/10**			**Recvd: 12/06/10 17:15**	
Polychlorinated Biphenyls by EPA Method 8082 - cont.										
Aroclor 1016	ND	QSU	18	3.6	ug/kg dry	1.00	12/08/10 19:15	tchro	10L0498	8082
Aroclor 1221	ND	QSU	18	3.6	ug/kg dry	1.00	12/08/10 19:15	tchro	10L0498	8082
Aroclor 1232	ND	QSU	18	3.6	ug/kg dry	1.00	12/08/10 19:15	tchro	10L0498	8082
Aroclor 1242	ND	QSU	18	4.0	ug/kg dry	1.00	12/08/10 19:15	tchro	10L0498	8082
Aroclor 1248	ND	QSU	18	3.6	ug/kg dry	1.00	12/08/10 19:15	tchro	10L0498	8082
Aroclor 1254	ND	QSU	18	3.9	ug/kg dry	1.00	12/08/10 19:15	tchro	10L0498	8082
Aroclor 1260	ND	QSU	18	8.5	ug/kg dry	1.00	12/08/10 19:15	tchro	10L0498	8082
Decachlorobiphenyl	*97 %*	*QSU*	*Surr Limits: (34-148%)*				*12/08/10 19:15*	*tchro*	*10L0498*	*8082*
Tetrachloro-m-xylene	*97 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 19:15*	*tchro*	*10L0498*	*8082*
Total Metals by SW 846 Series Methods										
Aluminum	**15300**	B	11.0	4.8	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Antimony	ND		16.5	0.6	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Arsenic	**3.7**		2.2	0.4	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Barium	**89.4**		0.548	0.121	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Beryllium	**0.771**		0.219	0.031	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Cadmium	**0.151**	J	0.219	0.033	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Calcium	**44100**	B	54.8	3.6	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Chromium	**22.0**		0.548	0.219	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Cobalt	**14.3**		0.548	0.055	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Copper	**21.1**		1.1	0.2	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Iron	**25100**	B1, B	11.0	1.2	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Lead	**8.0**		1.1	0.3	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Magnesium	**12200**		21.9	1.0	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Manganese	**587**	B	0.2	0.04	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Nickel	**33.3**		5.48	0.252	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Potassium	**2240**		32.9	21.9	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Selenium	ND		4.4	0.6	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Silver	ND		0.548	0.219	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Sodium	**278**		154	14.3	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Thallium	ND		6.6	0.3	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Vanadium	**26.8**		0.548	0.121	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Zinc	**56.6**	B	2.2	0.2	mg/kg dry	1.00	12/09/10 10:39	AMH	10L0535	6010B
Mercury	**0.0100**	J	0.0207	0.0084	mg/kg dry	1.00	12/08/10 12:41	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**91**		0.010	NR	%	1.00	12/07/10 15:40	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-13 (SP-12-6-10 - Solid) — **Sampled: 12/06/10 15:20** — **Recvd: 12/06/10 17:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.8	0.50	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,1,2,2-Tetrachloroethane	ND		6.8	1.1	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,1,2-Trichloroethane	ND		6.8	0.89	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,1,2-Trichloro-1,2,2-trifluorethane	ND		6.8	1.6	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,1-Dichloroethane	ND		6.8	0.83	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,1-Dichloroethene	ND		6.8	0.84	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,2,4-Trichlorobenzene	ND		6.8	0.42	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,2,4-Trimethylbenzene	**11**		6.8	1.3	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,2-Dibromo-3-chloropropane	ND		6.8	3.4	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,2-Dibromoethane (EDB)	ND		6.8	0.88	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,2-Dichlorobenzene	ND		6.8	0.53	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,2-Dichloroethane	ND		6.8	0.34	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,2-Dichloropropane	ND		6.8	3.4	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,3,5-Trimethylbenzene	**2.9**	J	6.8	0.44	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,3-Dichlorobenzene	ND		6.8	0.35	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,4-Dichlorobenzene	ND		6.8	0.96	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
2-Butanone (MEK)	ND		34	2.5	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
2-Hexanone	ND		34	3.4	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
4-Isopropyltoluene	ND		6.8	0.55	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
4-Methyl-2-pentanone (MIBK)	ND		34	2.2	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Acetone	**44**		34	5.8	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Benzene	ND		6.8	0.34	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Bromodichloromethane	ND		6.8	0.92	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Bromoform	ND		6.8	3.4	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Bromomethane	ND		6.8	0.62	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Carbon disulfide	ND		6.8	3.4	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Carbon Tetrachloride	ND		6.8	0.66	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Chlorobenzene	ND		6.8	0.90	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Chlorodibromomethane	ND		6.8	0.88	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Chloroethane	ND		6.8	1.5	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Chloroform	ND		6.8	0.42	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Chloromethane	ND		6.8	0.41	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
cis-1,2-Dichloroethene	ND		6.8	0.88	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
cis-1,3-Dichloropropene	ND		6.8	0.98	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Cyclohexane	ND		6.8	0.96	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Dichlorodifluoromethane	ND		6.8	0.56	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Ethylbenzene	**5.3**	J	6.8	0.47	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Isopropylbenzene	**1.5**	J	6.8	1.0	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Methyl Acetate	ND		6.8	1.3	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Methyl tert-Butyl Ether	ND		6.8	0.67	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Methylcyclohexane	ND		6.8	1.0	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Methylene Chloride	**25**		6.8	3.1	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Naphthalene	**230**		6.8	0.92	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
n-Butylbenzene	ND		6.8	0.59	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
n-Propylbenzene	ND		6.8	0.55	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
sec-Butylbenzene	ND		6.8	0.59	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Styrene	ND		6.8	0.34	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B

PARS Environmental, Inc.
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL0572-13 (SP-12-6-10 - Solid) - cont.						**Sampled: 12/06/10 15:20**		**Recvd: 12/06/10 17:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		6.8	0.71	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Tetrachloroethene	ND		6.8	0.92	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Toluene	ND		6.8	0.52	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
trans-1,2-Dichloroethene	ND		6.8	0.71	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
trans-1,3-Dichloropropene	ND		6.8	3.0	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Trichloroethene	ND		6.8	1.5	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Trichlorofluoromethane	ND		6.8	0.65	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Vinyl chloride	ND		6.8	0.83	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Xylenes, total	**15**		14	1.1	ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
1,2-Dichloroethane-d4	*107 %*		*Surr Limits: (64-126%)*				*12/08/10 18:50*	*PJQ*	*10L0624*	*8260B*
4-Bromofluorobenzene	*100 %*		*Surr Limits: (72-126%)*				*12/08/10 18:50*	*PJQ*	*10L0624*	*8260B*
Toluene-d8	*100 %*		*Surr Limits: (71-125%)*				*12/08/10 18:50*	*PJQ*	*10L0624*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Benzene, 1-ethyl-3-methyl- (000620-14-4)	**10**		Ret Time: 10.07		ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Hexane (110-54-3)	**11**		Ret Time: 4.145		ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Indane (000496-11-7)	**30**		Ret Time: 11.11		ug/kg dry	1.00	12/08/10 18:50	PJQ	10L0624	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		230	50	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2,4,6-Trichlorophenol	ND		230	15	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2,4-Dichlorophenol	ND		230	12	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2,4-Dimethylphenol	ND		230	62	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2,4-Dinitrophenol	ND		450	80	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2,4-Dinitrotoluene	ND		230	36	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2,6-Dinitrotoluene	ND		230	56	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2-Chloronaphthalene	ND		230	15	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2-Chlorophenol	ND		230	12	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2-Methylnaphthalene	ND		230	2.8	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2-Methylphenol	ND		230	7.1	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2-Nitroaniline	ND		450	74	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2-Nitrophenol	ND		230	10	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
3,3'-Dichlorobenzidine	ND		230	200	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
3-Nitroaniline	ND		450	53	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
4,6-Dinitro-2-methylphenol	ND		450	79	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
4-Bromophenyl phenyl ether	ND		230	73	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
4-Chloro-3-methylphenol	ND		230	9.4	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
4-Chloroaniline	ND		230	67	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
4-Chlorophenyl phenyl ether	ND		230	4.9	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
4-Methylphenol	ND		450	13	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
4-Nitroaniline	ND		450	26	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
4-Nitrophenol	ND		450	56	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Acenaphthene	ND		230	2.7	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Acenaphthylene	ND		230	1.9	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Acetophenone	ND		230	12	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Anthracene	ND		230	5.9	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C

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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
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Analytical Report

Sample ID: RTL0572-13 (SP-12-6-10 - Solid) - cont. **Sampled: 12/06/10 15:20** **Recvd: 12/06/10 17:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Atrazine	ND		230	10	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Benzaldehyde	ND		230	25	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Benzo(a)anthracene	**18**	J	230	4.0	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Benzo(a)pyrene	ND		230	5.5	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Benzo(b)fluoranthene	ND		230	4.5	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Benzo(ghi)perylene	ND		230	2.8	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Benzo(k)fluoranthene	ND		230	2.5	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Biphenyl	ND		230	14	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Bis(2-chloroethoxy)methane	ND		230	12	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Bis(2-chloroethyl)ether	ND		230	20	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2,2'-Oxybis(1-Chloropropane)	ND		230	24	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Bis(2-ethylhexyl) phthalate	ND		230	74	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Butyl benzyl phthalate	ND		230	62	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Caprolactam	ND		230	99	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Carbazole	ND		230	2.7	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Chrysene	**17**	J	230	2.3	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Dibenzo(a,h)anthracene	ND		230	2.7	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Dibenzofuran	ND		230	2.4	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Diethyl phthalate	ND		230	6.9	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Dimethyl phthalate	ND		230	6.0	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Di-n-butyl phthalate	ND		230	79	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Di-n-octyl phthalate	ND		230	5.4	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Fluoranthene	**33**	J	230	3.3	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Fluorene	ND		230	5.3	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Hexachlorobenzene	ND		230	11	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Hexachlorobutadiene	ND		230	12	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Hexachlorocyclopentadiene	ND		230	69	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Hexachloroethane	ND		230	18	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Indeno(1,2,3-cd)pyrene	ND		230	6.3	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Isophorone	ND		230	11	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Naphthalene	**690**		230	3.8	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Nitrobenzene	ND		230	10	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
N-Nitrosodi-n-propylamine	ND		230	18	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
N-Nitrosodiphenylamine	ND		230	13	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Pentachlorophenol	ND		450	79	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Phenanthrene	**33**	J	230	4.8	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Phenol	ND		230	24	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Pyrene	**23**	J	230	1.5	ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
2,4,6-Tribromophenol	*112 %*		*Surr Limits: (39-146%)*				*12/08/10 05:21*	*JLG*	*10L0497*	*8270C*
2-Fluorobiphenyl	*80 %*		*Surr Limits: (37-120%)*				*12/08/10 05:21*	*JLG*	*10L0497*	*8270C*
2-Fluorophenol	*67 %*		*Surr Limits: (18-120%)*				*12/08/10 05:21*	*JLG*	*10L0497*	*8270C*
Nitrobenzene-d5	*76 %*		*Surr Limits: (34-132%)*				*12/08/10 05:21*	*JLG*	*10L0497*	*8270C*
Phenol-d5	*76 %*		*Surr Limits: (11-120%)*				*12/08/10 05:21*	*JLG*	*10L0497*	*8270C*
p-Terphenyl-d14	*87 %*		*Surr Limits: (58-147%)*				*12/08/10 05:21*	*JLG*	*10L0497*	*8270C*

Semivolatile Organics TICs by GC/MS

PARS Environmental, Inc.
6A South Gold Drive
Robbinsville, NJ 08691

Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

Analytical Report

Sample ID: RTL0572-13 (SP-12-6-10 - Solid) - cont. **Sampled: 12/06/10 15:20** **Recvd: 12/06/10 17:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics TICs by GC/MS - cont.										
Unknown01 (none)	**190**		Ret Time: 13.467		ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Unknown02 (none)	**300**		Ret Time: 14.023		ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Unknown03 (none)	**200**		Ret Time: 16.165		ug/kg dry	1.00	12/08/10 05:21	JLG	10L0497	8270C
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016	ND	QSU	23	4.5	ug/kg dry	1.00	12/08/10 19:30	tchro	10L0498	8082
Aroclor 1221	ND	QSU	23	4.5	ug/kg dry	1.00	12/08/10 19:30	tchro	10L0498	8082
Aroclor 1232	ND	QSU	23	4.5	ug/kg dry	1.00	12/08/10 19:30	tchro	10L0498	8082
Aroclor 1242	ND	QSU	23	5.0	ug/kg dry	1.00	12/08/10 19:30	tchro	10L0498	8082
Aroclor 1248	ND	QSU	23	4.5	ug/kg dry	1.00	12/08/10 19:30	tchro	10L0498	8082
Aroclor 1254	ND	QSU	23	4.8	ug/kg dry	1.00	12/08/10 19:30	tchro	10L0498	8082
Aroclor 1260	ND	QSU	23	11	ug/kg dry	1.00	12/08/10 19:30	tchro	10L0498	8082
Decachlorobiphenyl	*102 %*	*QSU*	*Surr Limits: (34-148%)*				*12/08/10 19:30*	*tchro*	*10L0498*	*8082*
Tetrachloro-m-xylene	*104 %*	*QSU*	*Surr Limits: (35-134%)*				*12/08/10 19:30*	*tchro*	*10L0498*	*8082*
Total Metals by SW 846 Series Methods										
Aluminum	**21100**	B	13.5	5.9	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Antimony	ND		20.2	0.7	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Arsenic	**4.8**		2.7	0.5	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Barium	**152**		0.674	0.148	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Beryllium	**1.27**		0.270	0.038	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Cadmium	**0.146**	J	0.270	0.040	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Calcium	**18900**	B	67.4	4.5	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Chromium	**29.8**		0.674	0.270	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Cobalt	**19.3**		0.674	0.067	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Copper	**30.4**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Iron	**34500**	B1, B	13.5	1.5	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Lead	**16.6**		1.3	0.3	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Magnesium	**10800**		27.0	1.3	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Manganese	**782**	B	0.3	0.04	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Nickel	**42.8**		6.74	0.310	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Potassium	**2180**		40.5	27.0	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Selenium	ND		5.4	0.8	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Silver	ND		0.674	0.270	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Sodium	**341**		189	17.5	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Thallium	ND		8.1	0.4	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Vanadium	**38.1**		0.674	0.148	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Zinc	**72.1**	B	2.7	0.2	mg/kg dry	1.00	12/09/10 10:42	AMH	10L0535	6010B
Mercury	**0.0394**		0.0266	0.0108	mg/kg dry	1.00	12/08/10 12:42	JRK	10L0549	7471A
General Chemistry Parameters										
Percent Solids	**73**		0.010	NR	%	1.00	12/07/10 15:42	MJM	10L0500	Dry Weight

PARS Environmental, Inc.
6A South Gold Drive
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
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SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
Dry Weight	10L0500	RTL0572-01	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Dry Weight	10L0500	RTL0572-02	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Dry Weight	10L0500	RTL0572-03	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Dry Weight	10L0500	RTL0572-04	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Dry Weight	10L0500	RTL0572-05	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Dry Weight	10L0500	RTL0572-06	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Dry Weight	10L0500	RTL0572-07	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Dry Weight	10L0500	RTL0572-08	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Dry Weight	10L0500	RTL0572-09	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Dry Weight	10L0500	RTL0572-10	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Dry Weight	10L0500	RTL0572-11	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Dry Weight	10L0500	RTL0572-12	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Dry Weight	10L0500	RTL0572-13	10.00	g	10.00	g	12/07/10 10:25	CXM	Dry Weight
Polychlorinated Biphenyls by EPA Method 8082									
8082	10L0498	RTL0572-03	30.02	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
8082	10L0498	RTL0572-07	30.02	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
8082	10L0498	RTL0572-13	30.09	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
8082	10L0498	RTL0572-12	30.11	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
8082	10L0498	RTL0572-01	30.23	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
8082	10L0498	RTL0572-05	30.45	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
8082	10L0498	RTL0572-06	30.69	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
8082	10L0498	RTL0572-04	30.70	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
8082	10L0498	RTL0572-09	30.70	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
8082	10L0498	RTL0572-10	30.78	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
8082	10L0498	RTL0572-02	30.83	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
8082	10L0498	RTL0572-11	30.96	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
8082	10L0498	RTL0572-08	30.97	g	10.00	mL	12/07/10 12:00	CXM	3550B GC
Semivolatile Organics by GC/MS									
8270C	10L0497	RTL0572-12	30.12	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-06	30.33	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-13	30.37	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-01	30.39	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-08	30.39	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-03	30.40	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-02	30.41	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-04	30.42	g	1.00	mL	12/07/10 10:08	JXB	3550B MB

PARS Environmental, Inc.
6A South Gold Drive
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
8270C	10L0497	RTL0572-09	30.74	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-07	30.80	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-11	30.83	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-10	30.86	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-05	30.30	g	10.00	mL	12/07/10 10:08	JXB	3550B MB
Semivolatile Organics TICs by GC/MS									
8270C	10L0497	RTL0572-12	30.12	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-06	30.33	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-13	30.37	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-08	30.39	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-03	30.40	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-02	30.41	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-04	30.42	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-09	30.74	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-07	30.80	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-11	30.83	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-10	30.86	g	1.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-05	30.30	g	10.00	mL	12/07/10 10:08	JXB	3550B MB
8270C	10L0497	RTL0572-01	30.39	g	1.00	mL	12/07/10 11:00	JXB	3550B MB
Tentatively Identified Compounds by EPA 8260B									
8260B	10L0699	RTL0572-02	5.16	g	5.00	mL	12/08/10 22:49	CDC	5030B MS
8260B	10L0624	RTL0572-05	5.00	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-06	5.02	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-13	5.03	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-11	5.04	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-12	5.04	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-03	5.05	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-09	5.05	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-08	5.06	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-04	5.08	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-10	5.11	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-01	5.13	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-07	5.14	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
Total Metals by SW 846 Series Methods									
6010B	10L0535	RTL0572-12	0.50	g	50.00	mL	12/08/10 12:20	MDM	3050B
6010B	10L0535	RTL0572-04	0.51	g	50.00	mL	12/08/10 12:20	MDM	3050B
6010B	10L0535	RTL0572-05	0.51	g	50.00	mL	12/08/10 12:20	MDM	3050B

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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
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SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
6010B	10L0535	RTL0572-01	0.51	g	50.00	mL	12/08/10 12:20	MDM	3050B
6010B	10L0535	RTL0572-13	0.51	g	50.00	mL	12/08/10 12:20	MDM	3050B
6010B	10L0535	RTL0572-11	0.51	g	50.00	mL	12/08/10 12:20	MDM	3050B
6010B	10L0535	RTL0572-08	0.52	g	50.00	mL	12/08/10 12:20	MDM	3050B
6010B	10L0535	RTL0572-10	0.52	g	50.00	mL	12/08/10 12:20	MDM	3050B
6010B	10L0535	RTL0572-09	0.53	g	50.00	mL	12/08/10 12:20	MDM	3050B
6010B	10L0535	RTL0572-06	0.53	g	50.00	mL	12/08/10 12:20	MDM	3050B
6010B	10L0535	RTL0572-03	0.53	g	50.00	mL	12/08/10 12:20	MDM	3050B
6010B	10L0535	RTL0572-02	0.53	g	50.00	mL	12/08/10 12:20	MDM	3050B
6010B	10L0535	RTL0572-07	0.54	g	50.00	mL	12/08/10 12:20	MDM	3050B
7471A	10L0549	RTL0572-11	0.59	g	50.00	mL	12/08/10 10:10	JRK	7471A_
7471A	10L0549	RTL0572-01	0.60	g	50.00	mL	12/08/10 10:10	JRK	7471A_
7471A	10L0549	RTL0572-05	0.60	g	50.00	mL	12/08/10 10:10	JRK	7471A_
7471A	10L0549	RTL0572-08	0.60	g	50.00	mL	12/08/10 10:10	JRK	7471A_
7471A	10L0549	RTL0572-07	0.61	g	50.00	mL	12/08/10 10:10	JRK	7471A_
7471A	10L0549	RTL0572-13	0.62	g	50.00	mL	12/08/10 10:10	JRK	7471A_
7471A	10L0549	RTL0572-10	0.63	g	50.00	mL	12/08/10 10:10	JRK	7471A_
7471A	10L0549	RTL0572-06	0.63	g	50.00	mL	12/08/10 10:10	JRK	7471A_
7471A	10L0549	RTL0572-12	0.64	g	50.00	mL	12/08/10 10:10	JRK	7471A_
7471A	10L0549	RTL0572-04	0.64	g	50.00	mL	12/08/10 10:10	JRK	7471A_
7471A	10L0549	RTL0572-09	0.64	g	50.00	mL	12/08/10 10:10	JRK	7471A_
7471A	10L0549	RTL0572-02	0.65	g	50.00	mL	12/08/10 10:10	JRK	7471A_
7471A	10L0549	RTL0572-03	0.65	g	50.00	mL	12/08/10 10:10	JRK	7471A_
Volatile Organic Compounds by EPA 8260B									
8260B	10L0699	RTL0572-02	5.16	g	5.00	mL	12/08/10 22:49	CDC	5030B MS
8260B	10L0624	RTL0572-05	5.00	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-06	5.02	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-13	5.03	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-11	5.04	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-12	5.04	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-03	5.05	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-09	5.05	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-08	5.06	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-04	5.08	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-10	5.11	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-01	5.13	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS
8260B	10L0624	RTL0572-07	5.14	g	5.00	mL	12/08/10 10:55	PJQ	5030B MS

PARS Environmental, Inc.
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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 12/08/10 (Lab Number:10L0624-BLK1, Batch: 10L0624)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluorethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2,4-Trimethylbenzene			5.0	0.96	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane (EDB)			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone (MEK)			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
4-Isopropyltoluene			5.0	0.40	ug/kg wet	ND					
4-Methyl-2-pentanone (MIBK)			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Chlorodibromomethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 12/08/10 (Lab Number:10L0624-BLK1, Batch: 10L0624)											
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					
Methyl tert-Butyl Ether			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	ND					
Naphthalene			5.0	0.67	ug/kg wet	ND					
n-Butylbenzene			5.0	0.44	ug/kg wet	ND					
n-Propylbenzene			5.0	0.40	ug/kg wet	ND					
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND					
Styrene			5.0	0.25	ug/kg wet	ND					
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*102*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*100*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*106*	*71-125*			
LCS Analyzed: 12/08/10 (Lab Number:10L0624-BS1, Batch: 10L0624)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND		77-121			
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND		70-122			
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND		78-122			
1,1,2-Trichloro-1,2,2-trifluorethane			5.0	1.1	ug/kg wet	ND		60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	53.2	106	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	63.0	126	65-153			
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND		64-120			
1,2,4-Trimethylbenzene		50.0	5.0	0.96	ug/kg wet	44.7	89	74-120			
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND		63-124			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 12/08/10 (Lab Number:10L0624-BS1, Batch: 10L0624)											
1,2-Dibromoethane (EDB)			5.0	0.64	ug/kg wet	ND		78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	45.7	91	75-120			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	52.3	105	77-122			
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND		75-124			
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND		74-120			
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND		74-120			
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND		73-120			
2-Butanone (MEK)			25	1.8	ug/kg wet	ND		70-134			
2-Hexanone			25	2.5	ug/kg wet	ND		59-130			
4-Isopropyltoluene			5.0	0.40	ug/kg wet	ND		74-120			
4-Methyl-2-pentanone (MIBK)			25	1.6	ug/kg wet	ND		65-133			
Acetone			25	4.2	ug/kg wet	ND		61-137			
Benzene		50.0	5.0	0.24	ug/kg wet	52.7	105	79-127			
Bromodichloromethane			5.0	0.67	ug/kg wet	ND		80-122			
Bromoform			5.0	2.5	ug/kg wet	ND		68-126			
Bromomethane			5.0	0.45	ug/kg wet	ND		37-149			
Carbon disulfide			5.0	2.5	ug/kg wet	ND		64-131			
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND		75-135			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	48.4	97	76-124			
Chlorodibromomethane			5.0	0.64	ug/kg wet	ND		76-125			
Chloroethane			5.0	1.1	ug/kg wet	ND		69-135			
Chloroform			5.0	0.31	ug/kg wet	ND		80-118			
Chloromethane			5.0	0.30	ug/kg wet	ND		63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	51.5	103	81-117			
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND		82-120			
Cyclohexane			5.0	0.70	ug/kg wet	ND		70-130			
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND		57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	48.8	98	80-120			
Isopropylbenzene			5.0	0.75	ug/kg wet	ND		72-120			
Methyl Acetate			5.0	0.93	ug/kg wet	ND		60-140			
Methyl tert-Butyl Ether		50.0	5.0	0.49	ug/kg wet	55.4	111	63-125			
Methylcyclohexane			5.0	0.76	ug/kg wet	ND		60-140			
Methylene Chloride			5.0	2.3	ug/kg wet	ND		61-127			
Naphthalene			5.0	0.67	ug/kg wet	ND		38-137			
n-Butylbenzene			5.0	0.44	ug/kg wet	ND		70-120			
n-Propylbenzene			5.0	0.40	ug/kg wet	ND		70-130			
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND		74-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 12/08/10 (Lab Number:10L0624-BS1, Batch: 10L0624)											
Styrene			5.0	0.25	ug/kg wet	ND		80-120			
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND		73-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	50.2	100	74-122			
Toluene		50.0	5.0	0.38	ug/kg wet	46.4	93	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	53.9	108	78-126			
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND		73-123			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	53.4	107	77-129			
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND		65-146			
Vinyl chloride			5.0	0.61	ug/kg wet	ND		61-133			
Xylenes, total		150	10	0.84	ug/kg wet	146	97	80-120			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*110*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*104*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*106*	*71-125*			
Matrix Spike Analyzed: 12/08/10 (Lab Number:10L0624-MS1, Batch: 10L0624)											
QC Source Sample: RTL0572-13											
1,1,1-Trichloroethane	ND		6.7	0.48	ug/kg dry	ND		77-121			
1,1,2,2-Tetrachloroethane	ND		6.7	1.1	ug/kg dry	ND		70-122			
1,1,2-Trichloroethane	ND		6.7	0.87	ug/kg dry	ND		78-122			
1,1,2-Trichloro-1,2,2-trifluorethane	ND		6.7	1.5	ug/kg dry	ND		60-140			
1,1-Dichloroethane	ND	66.8	6.7	0.81	ug/kg dry	55.1	83	79-126			
1,1-Dichloroethene	ND	66.8	6.7	0.82	ug/kg dry	62.7	94	65-153			
1,2,4-Trichlorobenzene	ND		6.7	0.41	ug/kg dry	ND		64-120			
1,2,4-Trimethylbenzene	10.7	66.8	6.7	1.3	ug/kg dry	53.4	64	74-120			M8
1,2-Dibromo-3-chloropropane	ND		6.7	3.3	ug/kg dry	ND		63-124			
1,2-Dibromoethane (EDB)	ND		6.7	0.86	ug/kg dry	ND		78-120			
1,2-Dichlorobenzene	ND	66.8	6.7	0.52	ug/kg dry	35.9	54	75-120			M8
1,2-Dichloroethane	ND	66.8	6.7	0.34	ug/kg dry	49.6	74	77-122			M8
1,2-Dichloropropane	ND		6.7	3.3	ug/kg dry	ND		75-124			
1,3,5-Trimethylbenzene	2.89		6.7	0.43	ug/kg dry	4.53		74-120			J
1,3-Dichlorobenzene	ND		6.7	0.34	ug/kg dry	ND		74-120			
1,4-Dichlorobenzene	ND		6.7	0.94	ug/kg dry	ND		73-120			
2-Butanone (MEK)	ND		33	2.4	ug/kg dry	ND		70-134			
2-Hexanone	ND		33	3.3	ug/kg dry	ND		59-130			
4-Isopropyltoluene	ND		6.7	0.54	ug/kg dry	ND		74-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 12/08/10 (Lab Number:10L0624-MS1, Batch: 10L0624)											
QC Source Sample: RTL0572-13											
4-Methyl-2-pentanone (MIBK)	ND		33	2.2	ug/kg dry	ND		65-133			
Acetone	43.8		33	5.6	ug/kg dry	20.9		61-137			J
Benzene	ND	66.8	6.7	0.33	ug/kg dry	54.8	82	79-127			
Bromodichloromethane	ND		6.7	0.89	ug/kg dry	ND		80-122			
Bromoform	ND		6.7	3.3	ug/kg dry	ND		68-126			
Bromomethane	ND		6.7	0.60	ug/kg dry	ND		37-149			
Carbon disulfide	ND		6.7	3.3	ug/kg dry	ND		64-131			
Carbon Tetrachloride	ND		6.7	0.65	ug/kg dry	ND		75-135			
Chlorobenzene	ND	66.8	6.7	0.88	ug/kg dry	46.3	69	76-124			M8
Chlorodibromomethane	ND		6.7	0.85	ug/kg dry	ND		76-125			
Chloroethane	ND		6.7	1.5	ug/kg dry	ND		69-135			
Chloroform	ND		6.7	0.41	ug/kg dry	ND		80-118			
Chloromethane	ND		6.7	0.40	ug/kg dry	ND		63-127			
cis-1,2-Dichloroethene	ND	66.8	6.7	0.85	ug/kg dry	53.1	79	81-117			M8
cis-1,3-Dichloropropene	ND		6.7	0.96	ug/kg dry	ND		82-120			
Cyclohexane	ND		6.7	0.94	ug/kg dry	ND		70-130			
Dichlorodifluoromethane	ND		6.7	0.55	ug/kg dry	ND		57-142			
Ethylbenzene	5.29	66.8	6.7	0.46	ug/kg dry	53.5	72	80-120			M8
Isopropylbenzene	1.50		6.7	1.0	ug/kg dry	2.38		72-120			J
Methyl Acetate	ND		6.7	1.2	ug/kg dry	ND		60-140			
Methyl tert-Butyl Ether	ND	66.8	6.7	0.66	ug/kg dry	51.9	78	63-125			
Methylcyclohexane	ND		6.7	1.0	ug/kg dry	ND		60-140			
Methylene Chloride	25.3		6.7	3.1	ug/kg dry	24.9		61-127			
Naphthalene	228		6.7	0.89	ug/kg dry	283		38-137			
n-Butylbenzene	ND		6.7	0.58	ug/kg dry	ND		70-120			
n-Propylbenzene	ND		6.7	0.53	ug/kg dry	ND		70-130			
sec-Butylbenzene	ND		6.7	0.58	ug/kg dry	ND		74-120			
Styrene	ND		6.7	0.33	ug/kg dry	ND		80-120			
tert-Butylbenzene	ND		6.7	0.69	ug/kg dry	ND		73-120			
Tetrachloroethene	ND	66.8	6.7	0.90	ug/kg dry	45.3	68	74-122			M8
Toluene	ND	66.8	6.7	0.50	ug/kg dry	47.3	71	74-128			M8
trans-1,2-Dichloroethene	ND	66.8	6.7	0.69	ug/kg dry	54.7	82	78-126			
trans-1,3-Dichloropropene	ND		6.7	2.9	ug/kg dry	ND		73-123			
Trichloroethene	ND	66.8	6.7	1.5	ug/kg dry	51.3	77	77-129			
Trichlorofluoromethane	ND		6.7	0.63	ug/kg dry	ND		65-146			
Vinyl chloride	ND		6.7	0.81	ug/kg dry	ND		61-133			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 12/08/10 (Lab Number:10L0624-MS1, Batch: 10L0624)											
QC Source Sample: RTL0572-13											
Xylenes, total	15.3	200	13	1.1	ug/kg dry	159	72	80-120			M8
Surrogate: 1,2-Dichloroethane-d4					*ug/kg dry*		*96*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg dry*		*100*	*72-126*			
Surrogate: Toluene-d8					*ug/kg dry*		*105*	*71-125*			
Matrix Spike Dup Analyzed: 12/08/10 (Lab Number:10L0624-MSD1, Batch: 10L0624)											
QC Source Sample: RTL0572-13											
1,1,1-Trichloroethane	ND		6.8	0.49	ug/kg dry	ND		77-121		20	
1,1,2,2-Tetrachloroethane	ND		6.8	1.1	ug/kg dry	ND		70-122		20	
1,1,2-Trichloroethane	ND		6.8	0.89	ug/kg dry	ND		78-122		20	
1,1,2-Trichloro-1,2,2-trifluorethane	ND		6.8	1.6	ug/kg dry	ND		60-140		20	
1,1-Dichloroethane	ND	68.1	6.8	0.83	ug/kg dry	50.7	74	79-126	8	20	M8
1,1-Dichloroethene	ND	68.1	6.8	0.83	ug/kg dry	55.3	81	65-153	13	22	
1,2,4-Trichlorobenzene	ND		6.8	0.41	ug/kg dry	ND		64-120		20	
1,2,4-Trimethylbenzene	10.7	68.1	6.8	1.3	ug/kg dry	52.7	62	74-120	1	20	M8
1,2-Dibromo-3-chloropropane	ND		6.8	3.4	ug/kg dry	ND		63-124		20	
1,2-Dibromoethane (EDB)	ND		6.8	0.87	ug/kg dry	ND		78-120		20	
1,2-Dichlorobenzene	ND	68.1	6.8	0.53	ug/kg dry	28.3	42	75-120	23	20	R2,M8
1,2-Dichloroethane	ND	68.1	6.8	0.34	ug/kg dry	45.1	66	77-122	9	20	M8
1,2-Dichloropropane	ND		6.8	3.4	ug/kg dry	ND		75-124		20	
1,3,5-Trimethylbenzene	2.89		6.8	0.44	ug/kg dry	6.06		74-120	29	20	J
1,3-Dichlorobenzene	ND		6.8	0.35	ug/kg dry	ND		74-120		20	
1,4-Dichlorobenzene	ND		6.8	0.95	ug/kg dry	ND		73-120		20	
2-Butanone (MEK)	ND		34	2.5	ug/kg dry	ND		70-134		20	
2-Hexanone	ND		34	3.4	ug/kg dry	ND		59-130		20	
4-Isopropyltoluene	ND		6.8	0.55	ug/kg dry	ND		74-120		20	
4-Methyl-2-pentanone (MIBK)	ND		34	2.2	ug/kg dry	ND		65-133		20	
Acetone	43.8		34	5.7	ug/kg dry	23.6		61-137	12	15	J
Benzene	ND	68.1	6.8	0.33	ug/kg dry	50.0	73	79-127	9	20	M8
Bromodichloromethane	ND		6.8	0.91	ug/kg dry	ND		80-122		20	
Bromoform	ND		6.8	3.4	ug/kg dry	ND		68-126		20	
Bromomethane	ND		6.8	0.61	ug/kg dry	ND		37-149		20	
Carbon disulfide	ND		6.8	3.4	ug/kg dry	ND		64-131		20	
Carbon Tetrachloride	ND		6.8	0.66	ug/kg dry	ND		75-135		20	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Dup Analyzed: 12/08/10 (Lab Number:10L0624-MSD1, Batch: 10L0624)											
QC Source Sample: RTL0572-13											
Chlorobenzene	ND	68.1	6.8	0.90	ug/kg dry	38.5	57	76-124	18	25	M8
Chlorodibromomethane	ND		6.8	0.87	ug/kg dry	ND		76-125		20	
Chloroethane	ND		6.8	1.5	ug/kg dry	ND		69-135		20	
Chloroform	ND		6.8	0.42	ug/kg dry	ND		80-118		20	
Chloromethane	ND		6.8	0.41	ug/kg dry	ND		63-127		20	
cis-1,2-Dichloroethene	ND	68.1	6.8	0.87	ug/kg dry	47.1	69	81-117	12	20	M8
cis-1,3-Dichloropropene	ND		6.8	0.98	ug/kg dry	ND		82-120		20	
Cyclohexane	ND		6.8	0.95	ug/kg dry	ND		70-130		20	
Dichlorodifluoromethane	ND		6.8	0.56	ug/kg dry	ND		57-142		20	
Ethylbenzene	5.29	68.1	6.8	0.47	ug/kg dry	52.5	69	80-120	2	20	M8
Isopropylbenzene	1.50		6.8	1.0	ug/kg dry	3.34		72-120	34	20	J
Methyl Acetate	ND		6.8	1.3	ug/kg dry	ND		60-140		20	
Methyl tert-Butyl Ether	ND	68.1	6.8	0.67	ug/kg dry	49.9	73	63-125	4	20	
Methylcyclohexane	ND		6.8	1.0	ug/kg dry	ND		60-140		20	
Methylene Chloride	25.3		6.8	3.1	ug/kg dry	27.5		61-127	10	15	
Naphthalene	228		6.8	0.91	ug/kg dry	359		38-137	24	20	
n-Butylbenzene	ND		6.8	0.59	ug/kg dry	ND		70-120		20	
n-Propylbenzene	ND		6.8	0.54	ug/kg dry	ND		70-130		20	
sec-Butylbenzene	ND		6.8	0.59	ug/kg dry	ND		74-120		20	
Styrene	ND		6.8	0.34	ug/kg dry	ND		80-120		20	
tert-Butylbenzene	ND		6.8	0.71	ug/kg dry	ND		73-120		20	
Tetrachloroethene	ND	68.1	6.8	0.91	ug/kg dry	36.8	54	74-122	21	20	M8,R2
Toluene	ND	68.1	6.8	0.51	ug/kg dry	42.9	63	74-128	10	20	M8
trans-1,2-Dichloroethene	ND	68.1	6.8	0.70	ug/kg dry	47.1	69	78-126	15	20	M8
trans-1,3-Dichloropropene	ND		6.8	3.0	ug/kg dry	ND		73-123		20	
Trichloroethene	ND	68.1	6.8	1.5	ug/kg dry	43.1	63	77-129	17	24	M8
Trichlorofluoromethane	ND		6.8	0.64	ug/kg dry	ND		65-146		20	
Vinyl chloride	ND		6.8	0.83	ug/kg dry	ND		61-133		20	
Xylenes, total	15.3	204	14	1.1	ug/kg dry	156	69	80-120	2	20	M8
Surrogate: 1,2-Dichloroethane-d4					*ug/kg dry*		*94*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg dry*		*99*	*72-126*			
Surrogate: Toluene-d8					*ug/kg dry*		*102*	*71-125*			
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 12/08/10 (Lab Number:10L0699-BLK1, Batch: 10L0699)											

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 12/08/10 (Lab Number:10L0699-BLK1, Batch: 10L0699)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluorethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2,4-Trimethylbenzene			5.0	0.96	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane (EDB)			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone (MEK)			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
4-Isopropyltoluene			5.0	0.40	ug/kg wet	ND					
4-Methyl-2-pentanone (MIBK)			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Chlorodibromomethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 12/08/10 (Lab Number:10L0699-BLK1, Batch: 10L0699)											
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					
Methyl tert-Butyl Ether			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	ND					
Naphthalene			5.0	0.67	ug/kg wet	ND					
n-Butylbenzene			5.0	0.44	ug/kg wet	ND					
n-Propylbenzene			5.0	0.40	ug/kg wet	ND					
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND					
Styrene			5.0	0.25	ug/kg wet	ND					
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*103*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*99*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*103*	*71-125*			
LCS Analyzed: 12/08/10 (Lab Number:10L0699-BS1, Batch: 10L0699)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND		77-121			
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND		70-122			
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND		78-122			
1,1,2-Trichloro-1,2,2-trifluorethane			5.0	1.1	ug/kg wet	ND		60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	54.7	109	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	66.1	132	65-153			
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND		64-120			
1,2,4-Trimethylbenzene		50.0	5.0	0.96	ug/kg wet	44.1	88	74-120			
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND		63-124			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 12/08/10 (Lab Number:10L0699-BS1, Batch: 10L0699)											
1,2-Dibromoethane (EDB)			5.0	0.64	ug/kg wet	ND		78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	45.8	92	75-120			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	53.1	106	77-122			
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND		75-124			
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND		74-120			
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND		74-120			
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND		73-120			
2-Butanone (MEK)			25	1.8	ug/kg wet	ND		70-134			
2-Hexanone			25	2.5	ug/kg wet	ND		59-130			
4-Isopropyltoluene			5.0	0.40	ug/kg wet	ND		74-120			
4-Methyl-2-pentanone (MIBK)			25	1.6	ug/kg wet	ND		65-133			
Acetone			25	4.2	ug/kg wet	ND		61-137			
Benzene		50.0	5.0	0.24	ug/kg wet	54.4	109	79-127			
Bromodichloromethane			5.0	0.67	ug/kg wet	ND		80-122			
Bromoform			5.0	2.5	ug/kg wet	ND		68-126			
Bromomethane			5.0	0.45	ug/kg wet	ND		37-149			
Carbon disulfide			5.0	2.5	ug/kg wet	ND		64-131			
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND		75-135			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	49.6	99	76-124			
Chlorodibromomethane			5.0	0.64	ug/kg wet	ND		76-125			
Chloroethane			5.0	1.1	ug/kg wet	ND		69-135			
Chloroform			5.0	0.31	ug/kg wet	ND		80-118			
Chloromethane			5.0	0.30	ug/kg wet	ND		63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	53.1	106	81-117			
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND		82-120			
Cyclohexane			5.0	0.70	ug/kg wet	ND		70-130			
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND		57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	49.6	99	80-120			
Isopropylbenzene			5.0	0.75	ug/kg wet	ND		72-120			
Methyl Acetate			5.0	0.93	ug/kg wet	ND		60-140			
Methyl tert-Butyl Ether		50.0	5.0	0.49	ug/kg wet	56.0	112	63-125			
Methylcyclohexane			5.0	0.76	ug/kg wet	ND		60-140			
Methylene Chloride			5.0	2.3	ug/kg wet	ND		61-127			
Naphthalene			5.0	0.67	ug/kg wet	ND		38-137			
n-Butylbenzene			5.0	0.44	ug/kg wet	ND		70-120			
n-Propylbenzene			5.0	0.40	ug/kg wet	ND		70-130			
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND		74-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 12/08/10 (Lab Number:10L0699-BS1, Batch: 10L0699)											
Styrene			5.0	0.25	ug/kg wet	ND		80-120			
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND		73-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	51.3	103	74-122			
Toluene		50.0	5.0	0.38	ug/kg wet	47.4	95	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	55.8	112	78-126			
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND		73-123			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	54.2	108	77-129			
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND		65-146			
Vinyl chloride			5.0	0.61	ug/kg wet	ND		61-133			
Xylenes, total		150	10	0.84	ug/kg wet	148	99	80-120			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*108*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*106*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*106*	*71-125*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 12/08/10 (Lab Number:10L0624-BLK1, Batch: 10L0624)											
No TICs found			NA	NR	ug/kg wet	ND					
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 12/08/10 (Lab Number:10L0699-BLK1, Batch: 10L0699)											
No TICs found			NA	NR	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 12/07/10 (Lab Number:10L0497-BLK1, Batch: 10L0497)											
2,4,5-Trichlorophenol			170	36	ug/kg wet	ND					
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND					
2,4-Dichlorophenol			170	8.6	ug/kg wet	ND					
2,4-Dimethylphenol			170	44	ug/kg wet	ND					
2,4-Dinitrophenol			320	58	ug/kg wet	ND					
2,4-Dinitrotoluene			170	25	ug/kg wet	ND					
2,6-Dinitrotoluene			170	40	ug/kg wet	ND					
2-Chloronaphthalene			170	11	ug/kg wet	ND					
2-Chlorophenol			170	8.4	ug/kg wet	ND					
2-Methylnaphthalene			170	2.0	ug/kg wet	ND					
2-Methylphenol			170	5.1	ug/kg wet	ND					
2-Nitroaniline			320	53	ug/kg wet	ND					
2-Nitrophenol			170	7.5	ug/kg wet	ND					
3,3'-Dichlorobenzidine			170	140	ug/kg wet	ND					
3-Nitroaniline			320	38	ug/kg wet	ND					
4,6-Dinitro-2-methylphenol			320	57	ug/kg wet	ND					
4-Bromophenyl phenyl ether			170	52	ug/kg wet	ND					
4-Chloro-3-methylphenol			170	6.8	ug/kg wet	ND					
4-Chloroaniline			170	48	ug/kg wet	ND					
4-Chlorophenyl phenyl ether			170	3.5	ug/kg wet	ND					
4-Methylphenol			320	9.2	ug/kg wet	ND					
4-Nitroaniline			320	18	ug/kg wet	ND					
4-Nitrophenol			320	40	ug/kg wet	ND					
Acenaphthene			170	1.9	ug/kg wet	ND					
Acenaphthylene			170	1.3	ug/kg wet	ND					
Acetophenone			170	8.4	ug/kg wet	ND					
Anthracene			170	4.2	ug/kg wet	ND					
Atrazine			170	7.3	ug/kg wet	ND					
Benzaldehyde			170	18	ug/kg wet	ND					
Benzo(a)anthracene			170	2.8	ug/kg wet	ND					
Benzo(a)pyrene			170	4.0	ug/kg wet	ND					
Benzo(b)fluoranthene			170	3.2	ug/kg wet	ND					
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND					
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND					
Biphenyl			170	10	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 12/07/10 (Lab Number:10L0497-BLK1, Batch: 10L0497)											
Bis(2-chloroethoxy)methane			170	9.0	ug/kg wet	ND					
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND					
2,2'-Oxybis(1-Chloropropane)			170	17	ug/kg wet	ND					
Bis(2-ethylhexyl) phthalate			170	53	ug/kg wet	ND					
Butyl benzyl phthalate			170	44	ug/kg wet	ND					
Caprolactam			170	71	ug/kg wet	ND					
Carbazole			170	1.9	ug/kg wet	ND					
Chrysene			170	1.6	ug/kg wet	ND					
Dibenzo(a,h)anthracene			170	1.9	ug/kg wet	ND					
Dibenzofuran			170	1.7	ug/kg wet	ND					
Diethyl phthalate			170	5.0	ug/kg wet	ND					
Dimethyl phthalate			170	4.3	ug/kg wet	ND					
Di-n-butyl phthalate			170	57	ug/kg wet	ND					
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND					
Fluoranthene			170	2.4	ug/kg wet	ND					
Fluorene			170	3.8	ug/kg wet	ND					
Hexachlorobenzene			170	8.2	ug/kg wet	ND					
Hexachlorobutadiene			170	8.4	ug/kg wet	ND					
Hexachlorocyclopentadiene			170	50	ug/kg wet	ND					
Hexachloroethane			170	13	ug/kg wet	ND					
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND					
Isophorone			170	8.2	ug/kg wet	ND					
Naphthalene			170	2.7	ug/kg wet	ND					
Nitrobenzene			170	7.3	ug/kg wet	ND					
N-Nitrosodi-n-propylamine			170	13	ug/kg wet	ND					
N-Nitrosodiphenylamine			170	9.0	ug/kg wet	ND					
Pentachlorophenol			320	56	ug/kg wet	ND					
Phenanthrene			170	3.5	ug/kg wet	ND					
Phenol			170	17	ug/kg wet	ND					
Pyrene			170	1.1	ug/kg wet	ND					
Surrogate: 2,4,6-Tribromophenol					*ug/kg wet*		*90*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*76*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg wet*		*65*	*18-120*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 12/07/10 (Lab Number:10L0497-BLK1, Batch: 10L0497)											
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*75*	*34-132*			
Surrogate: Phenol-d5					*ug/kg wet*		*72*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*81*	*58-147*			
LCS Analyzed: 12/07/10 (Lab Number:10L0497-BS1, Batch: 10L0497)											
2,4,5-Trichlorophenol			170	36	ug/kg wet	ND		59-126			
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND		59-123			
2,4-Dichlorophenol			170	8.7	ug/kg wet	ND		52-120			
2,4-Dimethylphenol			170	45	ug/kg wet	ND		36-120			
2,4-Dinitrophenol			320	58	ug/kg wet	ND		35-146			
2,4-Dinitrotoluene		3260	170	26	ug/kg wet	2950	90	55-125			
2,6-Dinitrotoluene			170	40	ug/kg wet	ND		66-128			
2-Chloronaphthalene			170	11	ug/kg wet	ND		57-120			
2-Chlorophenol		3260	170	8.4	ug/kg wet	2260	69	38-120			
2-Methylnaphthalene			170	2.0	ug/kg wet	ND		47-120			
2-Methylphenol			170	5.1	ug/kg wet	ND		48-120			
2-Nitroaniline			320	53	ug/kg wet	ND		61-130			
2-Nitrophenol			170	7.6	ug/kg wet	ND		50-120			
3,3'-Dichlorobenzidine			170	140	ug/kg wet	ND		48-126			
3-Nitroaniline			320	38	ug/kg wet	ND		61-127			
4,6-Dinitro-2-methylphenol			320	57	ug/kg wet	ND		49-155			
4-Bromophenyl phenyl ether			170	53	ug/kg wet	ND		58-131			
4-Chloro-3-methylphenol		3260	170	6.8	ug/kg wet	2860	88	49-125			
4-Chloroaniline			170	49	ug/kg wet	ND		49-120			
4-Chlorophenyl phenyl ether			170	3.5	ug/kg wet	ND		63-124			
4-Methylphenol			320	9.2	ug/kg wet	ND		50-119			
4-Nitroaniline			320	18	ug/kg wet	ND		63-128			
4-Nitrophenol		3260	320	40	ug/kg wet	2230	68	43-137			
Acenaphthene		3260	170	1.9	ug/kg wet	2640	81	53-120			
Acenaphthylene			170	1.4	ug/kg wet	ND		58-121			
Acetophenone			170	8.5	ug/kg wet	ND		66-120			
Anthracene			170	4.2	ug/kg wet	ND		62-129			
Atrazine			170	7.4	ug/kg wet	ND		73-133			
Benzaldehyde			170	18	ug/kg wet	ND		21-120			
Benzo(a)anthracene			170	2.9	ug/kg wet	ND		65-133			
Benzo(a)pyrene			170	4.0	ug/kg wet	ND		64-127			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 12/07/10 (Lab Number:10L0497-BS1, Batch: 10L0497)											
Benzo(b)fluoranthene			170	3.2	ug/kg wet	ND		64-135			
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND		50-152			
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND		58-138			
Biphenyl			170	10	ug/kg wet	ND		71-120			
Bis(2-chloroethoxy)methane			170	9.0	ug/kg wet	ND		61-133			
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND		45-120			
2,2'-Oxybis(1-Chloropropane)			170	17	ug/kg wet	ND		44-120			
Bis(2-ethylhexyl) phthalate		3260	170	53	ug/kg wet	3690	113	61-133			
Butyl benzyl phthalate			170	44	ug/kg wet	ND		61-129			
Caprolactam			170	71	ug/kg wet	ND		54-133			
Carbazole			170	1.9	ug/kg wet	ND		59-129			
Chrysene			170	1.7	ug/kg wet	ND		64-131			
Dibenzo(a,h)anthracene			170	1.9	ug/kg wet	ND		54-148			
Dibenzofuran			170	1.7	ug/kg wet	ND		56-120			
Diethyl phthalate			170	5.0	ug/kg wet	ND		66-126			
Dimethyl phthalate			170	4.3	ug/kg wet	ND		65-124			
Di-n-butyl phthalate			170	57	ug/kg wet	ND		58-130			
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND		62-133			
Fluoranthene			170	2.4	ug/kg wet	30.4		62-131			J
Fluorene		3260	170	3.8	ug/kg wet	3050	94	63-126			
Hexachlorobenzene			170	8.2	ug/kg wet	ND		60-132			
Hexachlorobutadiene			170	8.5	ug/kg wet	ND		45-120			
Hexachlorocyclopentadiene			170	50	ug/kg wet	ND		31-120			
Hexachloroethane		3260	170	13	ug/kg wet	2100	64	41-120			
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND		56-149			
Isophorone			170	8.3	ug/kg wet	ND		56-120			
Naphthalene			170	2.8	ug/kg wet	ND		46-120			
Nitrobenzene			170	7.3	ug/kg wet	ND		49-120			
N-Nitrosodi-n-propylamine		3260	170	13	ug/kg wet	2870	88	46-120			
N-Nitrosodiphenylamine			170	9.0	ug/kg wet	ND		20-119			
Pentachlorophenol		3260	320	57	ug/kg wet	2390	73	33-136			
Phenanthrene			170	3.5	ug/kg wet	ND		60-130			
Phenol		3260	170	17	ug/kg wet	2310	71	36-120			
Pyrene		3260	170	1.1	ug/kg wet	3250	100	51-133			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 12/07/10 (Lab Number:10L0497-BS1, Batch: 10L0497)											
Surrogate: 2,4,6-Tribromophenol					*ug/kg wet*		*106*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*86*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg wet*		*75*	*18-120*			
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*85*	*34-132*			
Surrogate: Phenol-d5					*ug/kg wet*		*83*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*91*	*58-147*			
Matrix Spike Analyzed: 12/07/10 (Lab Number:10L0497-MS1, Batch: 10L0497)											
QC Source Sample: RTL0572-13											
2,4,5-Trichlorophenol	ND		230	50	ug/kg dry	ND		59-126			
2,4,6-Trichlorophenol	ND		230	15	ug/kg dry	ND		59-123			
2,4-Dichlorophenol	ND		230	12	ug/kg dry	ND		52-120			
2,4-Dimethylphenol	ND		230	62	ug/kg dry	ND		36-120			
2,4-Dinitrophenol	ND		450	81	ug/kg dry	ND		35-146			
2,4-Dinitrotoluene	ND	4550	230	36	ug/kg dry	3880	85	55-125			
2,6-Dinitrotoluene	ND		230	56	ug/kg dry	ND		66-128			
2-Chloronaphthalene	ND		230	15	ug/kg dry	ND		57-120			
2-Chlorophenol	ND	4550	230	12	ug/kg dry	2800	62	38-120			
2-Methylnaphthalene	ND		230	2.8	ug/kg dry	45.5		47-120			J
2-Methylphenol	ND		230	7.1	ug/kg dry	ND		48-120			
2-Nitroaniline	ND		450	74	ug/kg dry	ND		61-130			
2-Nitrophenol	ND		230	11	ug/kg dry	ND		50-120			
3,3'-Dichlorobenzidine	ND		230	200	ug/kg dry	ND		48-126			
3-Nitroaniline	ND		450	53	ug/kg dry	ND		61-127			
4,6-Dinitro-2-methylphenol	ND		450	80	ug/kg dry	ND		49-155			
4-Bromophenyl phenyl ether	ND		230	73	ug/kg dry	ND		58-131			
4-Chloro-3-methylphenol	ND	4550	230	9.5	ug/kg dry	3880	85	49-125			
4-Chloroaniline	ND		230	68	ug/kg dry	ND		49-120			
4-Chlorophenyl phenyl ether	ND		230	4.9	ug/kg dry	ND		63-124			
4-Methylphenol	ND		450	13	ug/kg dry	ND		50-119			
4-Nitroaniline	ND		450	26	ug/kg dry	ND		63-128			
4-Nitrophenol	ND	4550	450	56	ug/kg dry	3380	74	43-137			
Acenaphthene	ND	4550	230	2.7	ug/kg dry	3450	76	53-120			
Acenaphthylene	ND		230	1.9	ug/kg dry	ND		58-121			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Analyzed: 12/07/10 (Lab Number:10L0497-MS1, Batch: 10L0497)											
QC Source Sample: RTL0572-13											
Acetophenone	ND		230	12	ug/kg dry	ND		66-120			
Anthracene	ND		230	5.9	ug/kg dry	113		62-129			J
Atrazine	ND		230	10	ug/kg dry	ND		73-133			
Benzaldehyde	ND		230	25	ug/kg dry	ND		21-120			
Benzo(a)anthracene	17.7		230	4.0	ug/kg dry	169		65-133			J
Benzo(a)pyrene	ND		230	5.5	ug/kg dry	125		64-127			J
Benzo(b)fluoranthene	ND		230	4.5	ug/kg dry	164		64-135			J
Benzo(ghi)perylene	ND		230	2.8	ug/kg dry	69.6		50-152			J
Benzo(k)fluoranthene	ND		230	2.5	ug/kg dry	55.5		58-138			J
Biphenyl	ND		230	14	ug/kg dry	ND		71-120			
Bis(2-chloroethoxy)methane	ND		230	13	ug/kg dry	ND		61-133			
Bis(2-chloroethyl)ether	ND		230	20	ug/kg dry	ND		45-120			
2,2'-Oxybis(1-Chloropropane)	ND		230	24	ug/kg dry	ND		44-120			
Bis(2-ethylhexyl) phthalate	ND	4550	230	74	ug/kg dry	4610	101	61-133			
Butyl benzyl phthalate	ND		230	62	ug/kg dry	ND		61-129			
Caprolactam	ND		230	100	ug/kg dry	ND		54-133			
Carbazole	ND		230	2.7	ug/kg dry	64.6		59-129			J
Chrysene	16.8		230	2.3	ug/kg dry	150		64-131			J
Dibenzo(a,h)anthracene	ND		230	2.7	ug/kg dry	ND		54-148			
Dibenzofuran	ND		230	2.4	ug/kg dry	87.8		56-120			J
Diethyl phthalate	ND		230	7.0	ug/kg dry	ND		66-126			
Dimethyl phthalate	ND		230	6.0	ug/kg dry	ND		65-124			
Di-n-butyl phthalate	ND		230	80	ug/kg dry	ND		58-130			
Di-n-octyl phthalate	ND		230	5.4	ug/kg dry	ND		62-133			
Fluoranthene	32.6		230	3.3	ug/kg dry	541		62-131			
Fluorene	ND	4550	230	5.3	ug/kg dry	4050	89	63-126			
Hexachlorobenzene	ND		230	11	ug/kg dry	ND		60-132			
Hexachlorobutadiene	ND		230	12	ug/kg dry	ND		45-120			
Hexachlorocyclopentadiene	ND		230	70	ug/kg dry	ND		31-120			
Hexachloroethane	ND	4550	230	18	ug/kg dry	2350	52	41-120			
Indeno(1,2,3-cd)pyrene	ND		230	6.4	ug/kg dry	66.4		56-149			J
Isophorone	ND		230	12	ug/kg dry	ND		56-120			
Naphthalene	689		230	3.8	ug/kg dry	225		46-120			J
Nitrobenzene	ND		230	10	ug/kg dry	ND		49-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Analyzed: 12/07/10 (Lab Number:10L0497-MS1, Batch: 10L0497)											
QC Source Sample: RTL0572-13											
N-Nitrosodi-n-propylamine	ND	4550	230	18	ug/kg dry	3830	84	46-120			
N-Nitrosodiphenylamine	ND		230	13	ug/kg dry	ND		20-119			
Pentachlorophenol	ND	4550	450	79	ug/kg dry	3820	84	33-136			
Phenanthrene	32.6		230	4.8	ug/kg dry	608		60-130			
Phenol	ND	4550	230	24	ug/kg dry	2950	65	36-120			
Pyrene	23.1	4550	230	1.5	ug/kg dry	4200	92	51-133			
Surrogate: 2,4,6-Tribromophenol					*ug/kg dry*		*104*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg dry*		*79*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg dry*		*61*	*18-120*			
Surrogate: Nitrobenzene-d5					*ug/kg dry*		*71*	*34-132*			
Surrogate: Phenol-d5					*ug/kg dry*		*68*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg dry*		*85*	*58-147*			
Matrix Spike Dup Analyzed: 12/07/10 (Lab Number:10L0497-MSD1, Batch: 10L0497)											
QC Source Sample: RTL0572-13											
2,4,5-Trichlorophenol	ND		230	50	ug/kg dry	ND		59-126		18	
2,4,6-Trichlorophenol	ND		230	15	ug/kg dry	ND		59-123		19	
2,4-Dichlorophenol	ND		230	12	ug/kg dry	ND		52-120		19	
2,4-Dimethylphenol	ND		230	62	ug/kg dry	ND		36-120		42	
2,4-Dinitrophenol	ND		450	80	ug/kg dry	ND		35-146		22	
2,4-Dinitrotoluene	ND	4540	230	36	ug/kg dry	3430	76	55-125	12	20	
2,6-Dinitrotoluene	ND		230	56	ug/kg dry	ND		66-128		15	
2-Chloronaphthalene	ND		230	15	ug/kg dry	ND		57-120		21	
2-Chlorophenol	ND	4540	230	12	ug/kg dry	2520	55	38-120	11	25	
2-Methylnaphthalene	ND		230	2.8	ug/kg dry	ND		47-120		21	
2-Methylphenol	ND		230	7.1	ug/kg dry	ND		48-120		27	
2-Nitroaniline	ND		450	74	ug/kg dry	ND		61-130		15	
2-Nitrophenol	ND		230	11	ug/kg dry	ND		50-120		18	
3,3'-Dichlorobenzidine	ND		230	200	ug/kg dry	ND		48-126		25	
3-Nitroaniline	ND		450	53	ug/kg dry	ND		61-127		19	
4,6-Dinitro-2-methylphenol	ND		450	79	ug/kg dry	ND		49-155		15	
4-Bromophenyl phenyl ether	ND		230	73	ug/kg dry	ND		58-131		15	
4-Chloro-3-methylphenol	ND	4540	230	9.5	ug/kg dry	3230	71	49-125	18	27	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Dup Analyzed: 12/07/10 (Lab Number:10L0497-MSD1, Batch: 10L0497)											
QC Source Sample: RTL0572-13											
4-Chloroaniline	ND		230	67	ug/kg dry	ND		49-120		22	
4-Chlorophenyl phenyl ether	ND		230	4.9	ug/kg dry	ND		63-124		16	
4-Methylphenol	ND		450	13	ug/kg dry	ND		50-119		24	
4-Nitroaniline	ND		450	26	ug/kg dry	ND		63-128		24	
4-Nitrophenol	ND	4540	450	56	ug/kg dry	2970	65	43-137	13	25	
Acenaphthene	ND	4540	230	2.7	ug/kg dry	3010	66	53-120	13	35	
Acenaphthylene	ND		230	1.9	ug/kg dry	ND		58-121		18	
Acetophenone	ND		230	12	ug/kg dry	ND		66-120		20	
Anthracene	ND		230	5.9	ug/kg dry	56.3		62-129	67	15	J
Atrazine	ND		230	10	ug/kg dry	ND		73-133		20	
Benzaldehyde	ND		230	25	ug/kg dry	ND		21-120		20	
Benzo(a)anthracene	17.7		230	4.0	ug/kg dry	81.3		65-133	70	15	J
Benzo(a)pyrene	ND		230	5.5	ug/kg dry	62.2		64-127	67	15	J
Benzo(b)fluoranthene	ND		230	4.5	ug/kg dry	61.7		64-135	90	15	J
Benzo(ghi)perylene	ND		230	2.8	ug/kg dry	26.8		50-152	89	15	J
Benzo(k)fluoranthene	ND		230	2.5	ug/kg dry	35.9		58-138	43	22	J
Biphenyl	ND		230	14	ug/kg dry	ND		71-120		20	
Bis(2-chloroethoxy)methane	ND		230	13	ug/kg dry	ND		61-133		17	
Bis(2-chloroethyl)ether	ND		230	20	ug/kg dry	ND		45-120		21	
2,2'-Oxybis(1-Chloropropane)	ND		230	24	ug/kg dry	ND		44-120		24	
Bis(2-ethylhexyl) phthalate	ND	4540	230	74	ug/kg dry	4250	94	61-133	8	15	
Butyl benzyl phthalate	ND		230	62	ug/kg dry	ND		61-129		16	
Caprolactam	ND		230	99	ug/kg dry	ND		54-133		20	
Carbazole	ND		230	2.7	ug/kg dry	23.1		59-129	94	20	J
Chrysene	16.8		230	2.3	ug/kg dry	64.9		64-131	79	15	J
Dibenzo(a,h)anthracene	ND		230	2.7	ug/kg dry	ND		54-148		15	
Dibenzofuran	ND		230	2.4	ug/kg dry	ND		56-120		15	
Diethyl phthalate	ND		230	6.9	ug/kg dry	ND		66-126		15	
Dimethyl phthalate	ND		230	6.0	ug/kg dry	ND		65-124		15	
Di-n-butyl phthalate	ND		230	79	ug/kg dry	ND		58-130		15	
Di-n-octyl phthalate	ND		230	5.4	ug/kg dry	ND		62-133		16	
Fluoranthene	32.6		230	3.3	ug/kg dry	210		62-131	88	15	J
Fluorene	ND	4540	230	5.3	ug/kg dry	3530	78	63-126	14	15	
Hexachlorobenzene	ND		230	11	ug/kg dry	ND		60-132		15	
Hexachlorobutadiene	ND		230	12	ug/kg dry	ND		45-120		44	

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Work Order: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing
Project Number: [none]

Received: 12/06/10
Reported: 12/20/10 19:13

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Dup Analyzed: 12/07/10 (Lab Number:10L0497-MSD1, Batch: 10L0497)											
QC Source Sample: RTL0572-13											
Hexachlorocyclopentadiene	ND		230	69	ug/kg dry	ND		31-120		49	
Hexachloroethane	ND	4540	230	18	ug/kg dry	2350	52	41-120	0.1	46	
Indeno(1,2,3-cd)pyrene	ND		230	6.4	ug/kg dry	24.5		56-149	92	15	J
Isophorone	ND		230	11	ug/kg dry	ND		56-120		17	
Naphthalene	689		230	3.8	ug/kg dry	341		46-120	41	29	
Nitrobenzene	ND		230	10	ug/kg dry	ND		49-120		24	
N-Nitrosodi-n-propylamine	ND	4540	230	18	ug/kg dry	3030	67	46-120	23	31	
N-Nitrosodiphenylamine	ND		230	13	ug/kg dry	ND		20-119		15	
Pentachlorophenol	ND	4540	450	79	ug/kg dry	3340	74	33-136	13	35	
Phenanthrene	32.6		230	4.8	ug/kg dry	188		60-130	105	15	J
Phenol	ND	4540	230	24	ug/kg dry	2610	57	36-120	12	35	
Pyrene	23.1	4540	230	1.5	ug/kg dry	3730	82	51-133	12	35	
Surrogate: 2,4,6-Tribromophenol					*ug/kg dry*		*88*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg dry*		*64*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg dry*		*54*	*18-120*			
Surrogate: Nitrobenzene-d5					*ug/kg dry*		*61*	*34-132*			
Surrogate: Phenol-d5					*ug/kg dry*		*59*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg dry*		*74*	*58-147*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics TICs by GC/MS											
Blank Analyzed: 12/07/10 (Lab Number:10L0497-BLK1, Batch: 10L0497)											
No TICs found			NA		ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Polychlorinated Biphenyls by EPA Method 8082											
Blank Analyzed: 12/08/10 (Lab Number:10L0498-BLK1, Batch: 10L0498)											
Aroclor 1016			16	3.2	ug/kg wet	ND					QSU,C
Aroclor 1016 [2C]			16	3.2	ug/kg wet	ND					QSU,C
Aroclor 1221			16	3.2	ug/kg wet	ND					QSU
Aroclor 1221 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1242			16	3.5	ug/kg wet	ND					QSU
Aroclor 1242 [2C]			16	3.5	ug/kg wet	ND					QSU
Aroclor 1248			16	3.2	ug/kg wet	ND					QSU
Aroclor 1248 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1254			16	3.5	ug/kg wet	ND					QSU
Aroclor 1254 [2C]			16	3.5	ug/kg wet	ND					QSU
Aroclor 1260			16	7.6	ug/kg wet	ND					QSU
Aroclor 1260 [2C]			16	7.6	ug/kg wet	ND					QSU
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*98*	*34-148*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*88*	*34-148*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*94*	*35-134*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*109*	*35-134*			*QSU*
LCS Analyzed: 12/08/10 (Lab Number:10L0498-BS1, Batch: 10L0498)											
Aroclor 1016		162	16	3.2	ug/kg wet	187	116	59-154			QSU,C
Aroclor 1016 [2C]		162	16	3.2	ug/kg wet	173	107	59-154			QSU,C
Aroclor 1221			16	3.2	ug/kg wet	ND					QSU
Aroclor 1221 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1242			16	3.5	ug/kg wet	ND					QSU
Aroclor 1242 [2C]			16	3.5	ug/kg wet	ND					QSU
Aroclor 1248			16	3.2	ug/kg wet	ND					QSU
Aroclor 1248 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1254			16	3.4	ug/kg wet	ND					QSU
Aroclor 1254 [2C]			16	3.4	ug/kg wet	ND					QSU
Aroclor 1260		162	16	7.6	ug/kg wet	168	104	51-179			QSU
Aroclor 1260 [2C]		162	16	7.6	ug/kg wet	158	97	51-179			QSU
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*107*	*34-148*			*QSU*

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Polychlorinated Biphenyls by EPA Method 8082											
LCS Analyzed: 12/08/10 (Lab Number:10L0498-BS1, Batch: 10L0498)											
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*91*	*34-148*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*115*	*35-134*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*111*	*35-134*			*QSU*
Matrix Spike Analyzed: 12/08/10 (Lab Number:10L0498-MS1, Batch: 10L0498)											
QC Source Sample: RTL0572-13											
Aroclor 1016	ND	229	23	4.5	ug/kg dry	228	100	59-154			QSU,C
Aroclor 1016 [2C]	ND	229	23	4.5	ug/kg dry	246	107	59-154			QSU,C
Aroclor 1221	ND		23	4.5	ug/kg dry	ND					QSU
Aroclor 1221 [2C]	ND		23	4.5	ug/kg dry	ND					QSU
Aroclor 1232	ND		23	4.5	ug/kg dry	ND					QSU
Aroclor 1232 [2C]	ND		23	4.5	ug/kg dry	ND					QSU
Aroclor 1242	ND		23	5.0	ug/kg dry	ND					QSU
Aroclor 1242 [2C]	ND		23	5.0	ug/kg dry	ND					QSU
Aroclor 1248	ND		23	4.5	ug/kg dry	ND					QSU
Aroclor 1248 [2C]	ND		23	4.5	ug/kg dry	ND					QSU
Aroclor 1254	ND		23	4.8	ug/kg dry	ND					QSU
Aroclor 1254 [2C]	ND		23	4.8	ug/kg dry	ND					QSU
Aroclor 1260	ND	229	23	11	ug/kg dry	208	91	51-179			QSU
Aroclor 1260 [2C]	ND	229	23	11	ug/kg dry	210	92	51-179			QSU
Surrogate: Decachlorobiphenyl					*ug/kg dry*		*93*	*34-148*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg dry*		*87*	*34-148*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg dry*		*106*	*35-134*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg dry*		*102*	*35-134*			*QSU*
Matrix Spike Dup Analyzed: 12/08/10 (Lab Number:10L0498-MSD1, Batch: 10L0498)											
QC Source Sample: RTL0572-13											
Aroclor 1016	ND	227	23	4.4	ug/kg dry	235	104	59-154	3	50	QSU,C
Aroclor 1016 [2C]	ND	227	23	4.4	ug/kg dry	254	112	59-154	3	50	QSU,C
Aroclor 1221	ND		23	4.4	ug/kg dry	ND					QSU
Aroclor 1221 [2C]	ND		23	4.4	ug/kg dry	ND					QSU
Aroclor 1232	ND		23	4.4	ug/kg dry	ND					QSU
Aroclor 1232 [2C]	ND		23	4.4	ug/kg dry	ND					QSU
Aroclor 1242	ND		23	4.9	ug/kg dry	ND					QSU
Aroclor 1242 [2C]	ND		23	4.9	ug/kg dry	ND					QSU

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Polychlorinated Biphenyls by EPA Method 8082											
Matrix Spike Dup Analyzed: 12/08/10 (Lab Number:10L0498-MSD1, Batch: 10L0498)											
QC Source Sample: RTL0572-13											
Aroclor 1248	ND		23	4.4	ug/kg dry	ND					QSU
Aroclor 1248 [2C]	ND		23	4.4	ug/kg dry	ND					QSU
Aroclor 1254	ND		23	4.8	ug/kg dry	ND					QSU
Aroclor 1254 [2C]	ND		23	4.8	ug/kg dry	ND					QSU
Aroclor 1260	ND	227	23	11	ug/kg dry	219	97	51-179	5	50	QSU
Aroclor 1260 [2C]	ND	227	23	11	ug/kg dry	215	95	51-179	2	50	QSU
Surrogate: Decachlorobiphenyl					*ug/kg dry*		*100*	*34-148*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg dry*		*90*	*34-148*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg dry*		*109*	*35-134*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg dry*		*111*	*35-134*			*QSU*

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Blank Analyzed: 12/09/10 (Lab Number:10L0535-BLK1, Batch: 10L0535)											
Aluminum			9.9	4.4	mg/kg wet	5.7					B,J
Antimony			14.9	0.5	mg/kg wet	ND					
Arsenic			2.0	0.4	mg/kg wet	ND					
Barium			0.495	0.109	mg/kg wet	ND					
Beryllium			0.198	0.028	mg/kg wet	ND					
Cadmium			0.198	0.030	mg/kg wet	ND					
Calcium			49.5	3.3	mg/kg wet	7.1					B,J
Chromium			0.495	0.198	mg/kg wet	ND					
Cobalt			0.495	0.050	mg/kg wet	ND					
Copper			1.0	0.2	mg/kg wet	ND					
Iron			9.9	1.1	mg/kg wet	1.5					B,J
Lead			1.0	0.2	mg/kg wet	ND					
Magnesium			19.8	0.9	mg/kg wet	ND					
Manganese			0.2	0.03	mg/kg wet	0.04					B,J
Nickel			4.95	0.228	mg/kg wet	ND					
Potassium			29.7	19.8	mg/kg wet	ND					
Selenium			4.0	0.6	mg/kg wet	ND					
Silver			0.495	0.198	mg/kg wet	ND					
Sodium			139	12.9	mg/kg wet	ND					
Thallium			5.9	0.3	mg/kg wet	ND					
Vanadium			0.495	0.109	mg/kg wet	ND					
Zinc			2.0	0.2	mg/kg wet	0.2					B,J
Matrix Spike Analyzed: 12/09/10 (Lab Number:10L0535-MS1, Batch: 10L0535)											
QC Source Sample: RTL0572-13											
Aluminum	21100	2630	13.1	5.8	mg/kg dry	21900	29	75-125			MHA,B
Antimony	ND	52.5	19.7	0.7	mg/kg dry	18.7	36	75-125			M1,J
Arsenic	4.85	52.5	2.6	0.5	mg/kg dry	53.6	93	75-125			
Barium	152	52.5	0.657	0.144	mg/kg dry	213	117	75-125			
Beryllium	1.27	52.5	0.263	0.037	mg/kg dry	48.7	90	75-125			
Cadmium	0.146	52.5	0.263	0.039	mg/kg dry	48.4	92	75-125			
Calcium	18900	2630	65.7	4.3	mg/kg dry	20800	74	75-125			MHA,B
Chromium	29.8	52.5	0.657	0.263	mg/kg dry	74.4	85	75-125			
Cobalt	19.3	52.5	0.657	0.066	mg/kg dry	72.0	101	75-125			
Copper	30.4	52.5	1.3	0.3	mg/kg dry	79.0	93	75-125			
Iron	34500	2630	13.1	1.4	mg/kg dry	37500	114	75-125			B1,B
Lead	16.6	52.5	1.3	0.3	mg/kg dry	67.6	97	75-125			
Magnesium	10800	2630	26.3	1.2	mg/kg dry	13600	104	75-125			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Matrix Spike Analyzed: 12/09/10 (Lab Number:10L0535-MS1, Batch: 10L0535)											
QC Source Sample: RTL0572-13											
Manganese	782	52.5	0.3	0.04	mg/kg dry	808	51	75-125			MHA,B
Nickel	42.8	52.5	6.57	0.302	mg/kg dry	94.9	99	75-125			
Potassium	2180	2630	39.4	26.3	mg/kg dry	4260	79	75-125			
Selenium	ND	52.5	5.3	0.7	mg/kg dry	46.5	88	75-125			
Silver	ND	13.1	0.657	0.263	mg/kg dry	11.7	89	75-125			
Sodium	341	2630	184	17.1	mg/kg dry	2740	91	75-125			
Thallium	ND	52.5	7.9	0.4	mg/kg dry	47.7	91	75-125			
Vanadium	38.1	52.5	0.657	0.144	mg/kg dry	82.2	84	75-125			
Zinc	72.1	52.5	2.6	0.2	mg/kg dry	115	83	75-125			B
Matrix Spike Dup Analyzed: 12/09/10 (Lab Number:10L0535-MSD1, Batch: 10L0535)											
QC Source Sample: RTL0572-13											
Aluminum	21100	2630	13.1	5.8	mg/kg dry	21600	18	75-125	1	20	MHA,B
Antimony	ND	52.5	19.7	0.7	mg/kg dry	18.2	35	75-125	3	20	M1,J
Arsenic	4.85	52.5	2.6	0.5	mg/kg dry	52.2	90	75-125	3	20	
Barium	152	52.5	0.656	0.144	mg/kg dry	171	36	75-125	22	20	M1,R3
Beryllium	1.27	52.5	0.263	0.037	mg/kg dry	48.7	90	75-125	0.07	20	
Cadmium	0.146	52.5	0.263	0.039	mg/kg dry	48.0	91	75-125	0.8	20	
Calcium	18900	2630	65.6	4.3	mg/kg dry	16300	-97	75-125	24	20	MHA,R3,B
Chromium	29.8	52.5	0.656	0.263	mg/kg dry	74.0	84	75-125	0.6	20	
Cobalt	19.3	52.5	0.656	0.066	mg/kg dry	72.5	101	75-125	0.6	20	
Copper	30.4	52.5	1.3	0.3	mg/kg dry	80.5	96	75-125	2	20	
Iron	34500	2630	13.1	1.4	mg/kg dry	37900	131	75-125	1	20	MHA,B1,B
Lead	16.6	52.5	1.3	0.3	mg/kg dry	72.9	107	75-125	8	20	
Magnesium	10800	2630	26.3	1.2	mg/kg dry	12900	80	75-125	5	20	
Manganese	782	52.5	0.3	0.04	mg/kg dry	621	-306	75-125	26	20	MHA,R3,B
Nickel	42.8	52.5	6.56	0.302	mg/kg dry	94.9	99	75-125	0.04	20	
Potassium	2180	2630	39.4	26.3	mg/kg dry	4110	74	75-125	4	20	M1
Selenium	ND	52.5	5.3	0.7	mg/kg dry	45.9	87	75-125	1	20	
Silver	ND	13.1	0.656	0.263	mg/kg dry	11.3	86	75-125	3	20	
Sodium	341	2630	184	17.1	mg/kg dry	2700	90	75-125	1	20	
Thallium	ND	52.5	7.9	0.4	mg/kg dry	48.1	92	75-125	0.8	20	
Vanadium	38.1	52.5	0.656	0.144	mg/kg dry	83.2	86	75-125	1	20	
Zinc	72.1	52.5	2.6	0.2	mg/kg dry	118	87	75-125	2	20	B
Reference Analyzed: 12/09/10 (Lab Number:10L0535-SRM1, Batch: 10L0535)											

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Reference Analyzed: 12/09/10 (Lab Number:10L0535-SRM1, Batch: 10L0535)											
Aluminum		10700	10.0	4.4	mg/kg wet	8500	79	46.3-153.3			B
Antimony		117	15.0	0.5	mg/kg wet	59.3	51	22.6-253			
Arsenic		138	2.0	0.4	mg/kg wet	131	95	70.4-129.7			
Barium		269	0.500	0.110	mg/kg wet	247	92	74-126.4			
Beryllium		157	0.200	0.028	mg/kg wet	147	94	75.2-124.8			
Cadmium		71.1	0.200	0.030	mg/kg wet	66.1	93	73.2-126.8			
Calcium		9670	50.0	3.3	mg/kg wet	9600	99	75.4-124.2			B
Chromium		105	0.500	0.200	mg/kg wet	95.9	91	69.3-130.5			
Cobalt		142	0.500	0.050	mg/kg wet	143	100	73.9-125.4			
Copper		110	1.0	0.2	mg/kg wet	101	92	74.4-125.5			
Iron		19100	10.0	1.1	mg/kg wet	14700	77	43-156			B
Lead		144	1.0	0.2	mg/kg wet	148	103	72.9-126.4			
Magnesium		4410	20.0	0.9	mg/kg wet	3960	90	70.3-129.7			
Manganese		539	0.2	0.03	mg/kg wet	505	94	77.2-122.6			B
Nickel		130	5.00	0.230	mg/kg wet	130	100	72.8-126.9			
Potassium		5000	30.0	20.0	mg/kg wet	4550	91	66.4-133.8			
Selenium		200	4.0	0.6	mg/kg wet	190	95	68.5-131.5			
Silver		45.1	0.500	0.200	mg/kg wet	41.3	91	66.3-133.7			
Sodium		654	140	13.0	mg/kg wet	605	93	55.1-144.9			
Thallium		161	6.0	0.3	mg/kg wet	164	102	68.3-131.7			
Vanadium		67.1	0.500	0.110	mg/kg wet	55.7	83	57.8-142.1			
Zinc		223	2.0	0.2	mg/kg wet	199	89	70.4-129.6			B
Total Metals by SW 846 Series Methods											
Blank Analyzed: 12/08/10 (Lab Number:10L0549-BLK1, Batch: 10L0549)											
Mercury			0.0198	0.0080	mg/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Matrix Spike Analyzed: 12/08/10 (Lab Number:10L0549-MS1, Batch: 10L0549)											
QC Source Sample: RTL0572-13											
Mercury	0.0394	0.433	0.0260	0.0105	mg/kg dry	0.489	104	75-125			
Matrix Spike Dup Analyzed: 12/08/10 (Lab Number:10L0549-MSD1, Batch: 10L0549)											
QC Source Sample: RTL0572-13											
Mercury	0.0394	0.440	0.0264	0.0107	mg/kg dry	0.471	98	75-125	4	20	
Reference Analyzed: 12/08/10 (Lab Number:10L0549-SRM1, Batch: 10L0549)											
Mercury		2.97	0.178	0.0721	mg/kg wet	2.46	83	67.6-132.8			

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: 62A Greater Niagara Chamber of NY	Project Manager: CHRIS BOROW	Date: 12/6/10	Chain of Custody Number: 182788
Address: 535 Washington St, 11th Floor	Telephone Number (Area Code)/Fax Number: 716-685-2300	Lab Number:	Page 2 of 2
City: Buffalo / State: NY / Zip Code: 14203	Site Contact: Jim Brownell	Lab Contact:	Analysis (Attach list if more space is needed)
Project Name and Location (State): Niagara Falls Air Force Reserve Unit	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	HNO3	H2SO4	HCl	NaOH	ZnAc/NaOH	TCL VOCs (8260)	TCL SVOCs (8270)	PCB's	TAL Metals
SP-12-6-10 ms/msd	12/6/10	1520				8	8						8	8	8	8

Special Instructions/ Conditions of Receipt

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☑ Other STANDARD

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	12/6/10	1715	1. Received By	12/6/10	1715
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

4.4°

102/1158

Chain of Custody Record

Temperature on Receipt _____.

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
EPA (DEC/ENVIRONMENTAL OF NY	CHRIS BROWN	12/6/10	182787
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 2
535 WASHINGTON ST 11TH FL	716-685-2800		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
BUFFALO / NY / 14203	JIM BRENNAN		
Project Name and Location (State)	**Carrier/Waybill Number**		
NIAGARA FALLS AIRPORT FORENSIC RESCUE, LWR			
Contract/Purchase Order/Quote No			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOCs/8260	TCL SVOCs/8270	PCBs	TAL METALS	Special Instructions/ Conditions of Receipt
SP-1-5-7	12/6/10	905				X	X						X	X	X	X	
SP-2-6-8	"	940				X	X						X	X	X	X	
SP-3-4-6	"	1010				X	X						X	X	X	X	
SP-4-2-4	"	1040				X	X						X	X	X	X	
SP-5-2-4	"	1150				X	X						X	X	X	X	
SP-6-2-4	"	1220				X	X						X	X	X	X	
SP-7-4-6	"	1240				X	X						X	X	X	X	
SP-8-4-6	"	1300				X	X						X	X	X	X	
SP-9-2-4	"	1340				X	X						X	X	X	X	
SP-10-2-4	"	1415				X	X						X	X	X	X	
SP-11-2-4	"	1435				X	X						X	X	X	X	
DUP-1	"					X	X						X	X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other STANDARD

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1		12/6/10	1715		12/6/10	1715
2		Date	Time		Date	Time
3		Date	Time		Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Samples; PINK - Field Copy

4.4°

103/1158

TestAmerica Buffalo

SDG: RTL0572

CLASS: VOA

METHOD: 8260B

ANALYSES DATA PACKAGE COVER PAGE

8260B

Laboratory: TestAmerica Buffalo

SDG: RTL0572

Client: PARS Environmental, Inc.

Project: NF Armed Forces Reserve Center Solids Testing

Client Sample Id:	Lab Sample Id:
SP-1-5-7	RTL0572-01
SP-2-6-8	RTL0572-02
SP-3-4-6	RTL0572-03
SP-4-2-4	RTL0572-04
SP-5-2-4	RTL0572-05
SP-6-2-4	RTL0572-06
SP-7-4-6	RTL0572-07
SP-8-4-6	RTL0572-08
SP-9-2-4	RTL0572-09
SP-10-2-4	RTL0572-10
SP-11-2-4	RTL0572-11
DUP-1	RTL0572-12
SP-12-6-10	RTL0572-13

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005584	Instrument:	HP5973F
Matrix:	Solid	Calibration:	R10L016

Surrogate Compound	Spike Level ug/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (10L0624-BLK1)			Lab File ID: F9000.D		Analyzed: 12/08/10 12:22			
1,2-Dichloroethane-d4	50.0	102	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	100	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	106	71 - 125	7.13	7.132	-0.0020	+/-1.0	
LCS (10L0624-BS1)			Lab File ID: F8999.D		Analyzed: 12/08/10 11:56			
1,2-Dichloroethane-d4	50.0	110	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	104	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	106	71 - 125	7.14	7.132	0.0080	+/-1.0	
Matrix Spike (10L0624-MS1)			Lab File ID: F9016.D		Analyzed: 12/08/10 19:15			
1,2-Dichloroethane-d4	50.0	96	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	100	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	105	71 - 125	7.13	7.132	-0.0020	+/-1.0	
Matrix Spike Dup (10L0624-MSD1)			Lab File ID: F9017.D		Analyzed: 12/08/10 19:41			
1,2-Dichloroethane-d4	50.0	94	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	99	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	102	71 - 125	7.14	7.132	0.0080	+/-1.0	
SP-1-5-7 (RTL0572-01)			Lab File ID: F9003.D		Analyzed: 12/08/10 13:44			
1,2-Dichloroethane-d4	50.0	108	64 - 126	5.49	5.498	-0.0080	+/-1.0	
4-Bromofluorobenzene	50.0	104	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	104	71 - 125	7.13	7.132	-0.0020	+/-1.0	
SP-3-4-6 (RTL0572-03)			Lab File ID: F9005.D		Analyzed: 12/08/10 14:35			
1,2-Dichloroethane-d4	50.0	114	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	105	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	108	71 - 125	7.14	7.132	0.0080	+/-1.0	
SP-4-2-4 (RTL0572-04)			Lab File ID: F9006.D		Analyzed: 12/08/10 15:00			
1,2-Dichloroethane-d4	50.0	114	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	101	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	102	71 - 125	7.14	7.132	0.0080	+/-1.0	
SP-5-2-4 (RTL0572-05)			Lab File ID: F9007.D		Analyzed: 12/08/10 15:26			
1,2-Dichloroethane-d4	50.0	116	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	102	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	100	71 - 125	7.13	7.132	-0.0020	+/-1.0	

Form 2

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005584	Instrument:	HP5973F
Matrix:	Solid	Calibration:	R10L016

Surrogate Compound	Spike Level ug/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SP-6-2-4 (RTL0572-06)			Lab File ID: F9008.D		Analyzed: 12/08/10 15:51			
1,2-Dichloroethane-d4	50.0	122	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	105	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	105	71 - 125	7.14	7.132	0.0080	+/-1.0	
SP-7-4-6 (RTL0572-07)			Lab File ID: F9009.D		Analyzed: 12/08/10 16:17			
1,2-Dichloroethane-d4	50.0	110	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	101	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	100	71 - 125	7.14	7.132	0.0080	+/-1.0	
SP-8-4-6 (RTL0572-08)			Lab File ID: F9010.D		Analyzed: 12/08/10 16:42			
1,2-Dichloroethane-d4	50.0	114	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	104	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	105	71 - 125	7.14	7.132	0.0080	+/-1.0	
SP-9-2-4 (RTL0572-09)			Lab File ID: F9011.D		Analyzed: 12/08/10 17:08			
1,2-Dichloroethane-d4	50.0	119	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	106	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	107	71 - 125	7.13	7.132	-0.0020	+/-1.0	
SP-10-2-4 (RTL0572-10)			Lab File ID: F9012.D		Analyzed: 12/08/10 17:33			
1,2-Dichloroethane-d4	50.0	116	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	105	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	106	71 - 125	7.13	7.132	-0.0020	+/-1.0	
SP-11-2-4 (RTL0572-11)			Lab File ID: F9013.D		Analyzed: 12/08/10 17:59			
1,2-Dichloroethane-d4	50.0	114	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	105	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	109	71 - 125	7.13	7.132	-0.0020	+/-1.0	
DUP-1 (RTL0572-12)			Lab File ID: F9014.D		Analyzed: 12/08/10 18:24			
1,2-Dichloroethane-d4	50.0	117	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	105	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	105	71 - 125	7.14	7.132	0.0080	+/-1.0	
SP-12-6-10 (RTL0572-13)			Lab File ID: F9015.D		Analyzed: 12/08/10 18:50			
1,2-Dichloroethane-d4	50.0	107	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	100	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	100	71 - 125	7.13	7.132	-0.0020	+/-1.0	

* Values outside of QC limits

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005595	Instrument:	HP5973F
Matrix:	Solid	Calibration:	R10L016

Surrogate Compound	Spike Level ug/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (10L0699-BLK1)			Lab File ID: F9025.D		Analyzed: 12/08/10 23:25			
1,2-Dichloroethane-d4	50.0	103	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	99	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	103	71 - 125	7.13	7.132	-0.0020	+/-1.0	
LCS (10L0699-BS1)			Lab File ID: F9024.D		Analyzed: 12/08/10 22:59			
1,2-Dichloroethane-d4	50.0	108	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	106	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	106	71 - 125	7.14	7.132	0.0080	+/-1.0	
SP-2-6-8 (RTL0572-02)			Lab File ID: F9026.D		Analyzed: 12/09/10 00:02			
1,2-Dichloroethane-d4	50.0	111	64 - 126	5.5	5.498	0.0020	+/-1.0	
4-Bromofluorobenzene	50.0	90	72 - 126	9.8	9.8	0.0000	+/-1.0	
Toluene-d8	50.0	91	71 - 125	7.13	7.132	-0.0020	+/-1.0	

* Values outside of QC limits

Form 3

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT13428
Batch:	10L0624	Laboratory ID:	10L0624-BS1
Preparation:	5030B MS	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED	UNITS	LCS CONCENTRATION	LCS % REC. #	QCLIMITS REC.
1,1,1-Trichloroethane		ug/kg wet	ND		77 - 121
1,1,2,2-Tetrachloroethane		ug/kg wet	ND		80 - 120
1,1,2-Trichloro-1,2,2-trifluorethane		ug/kg wet	ND		60 - 140
1,1,2-Trichloroethane		ug/kg wet	ND		78 - 122
1,1-Dichloroethane	50.0	ug/kg wet	53.2	106	79 - 126
1,1-Dichloroethene	50.0	ug/kg wet	63.0	126	65 - 153
1,2,4-Trichlorobenzene		ug/kg wet	ND		64 - 120
1,2,4-Trimethylbenzene	50.0	ug/kg wet	44.7	89	74 - 120
1,2-Dibromo-3-chloropropane		ug/kg wet	ND		63 - 124
1,2-Dibromoethane (EDB)		ug/kg wet	ND		78 - 120
1,2-Dichlorobenzene	50.0	ug/kg wet	45.7	91	75 - 120
1,2-Dichloroethane	50.0	ug/kg wet	52.3	105	77 - 122
1,2-Dichloropropane		ug/kg wet	ND		75 - 124
1,3,5-Trimethylbenzene		ug/kg wet	ND		74 - 120
1,3-Dichlorobenzene		ug/kg wet	ND		74 - 120
1,4-Dichlorobenzene		ug/kg wet	ND		73 - 120
2-Butanone (MEK)		ug/kg wet	ND		70 - 134
2-Hexanone		ug/kg wet	ND		59 - 130
4-Isopropyltoluene		ug/kg wet	ND		74 - 120
4-Methyl-2-pentanone (MIBK)		ug/kg wet	ND		65 - 133
Acetone		ug/kg wet	ND		61 - 137
Benzene	50.0	ug/kg wet	52.7	105	79 - 127
Bromodichloromethane		ug/kg wet	ND		80 - 122
Bromoform		ug/kg wet	ND		68 - 126
Bromomethane		ug/kg wet	ND		37 - 149
Carbon disulfide		ug/kg wet	ND		64 - 131
Carbon Tetrachloride		ug/kg wet	ND		75 - 135
Chlorobenzene	50.0	ug/kg wet	48.4	97	76 - 124
Chlorodibromomethane		ug/kg wet	ND		76 - 125
Chloroethane		ug/kg wet	ND		69 - 135

Form 3

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT13428
Batch:	10L0624	Laboratory ID:	10L0624-BS1
Preparation:	5030B MS	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED	UNITS	LCS CONCENTRATION	LCS % REC. #	QCLIMITS REC.
Chloroform		ug/kg wet	ND		80 - 118
Chloromethane		ug/kg wet	ND		63 - 127
cis-1,2-Dichloroethene	50.0	ug/kg wet	51.5	103	81 - 117
cis-1,3-Dichloropropene		ug/kg wet	ND		82 - 120
Cyclohexane		ug/kg wet	ND		70 - 130
Dichlorodifluoromethane		ug/kg wet	ND		57 - 142
Ethylbenzene	50.0	ug/kg wet	48.8	98	80 - 120
Isopropylbenzene		ug/kg wet	ND		72 - 120
Methyl Acetate		ug/kg wet	ND		60 - 140
Methyl tert-Butyl Ether	50.0	ug/kg wet	55.4	111	63 - 125
Methylcyclohexane		ug/kg wet	ND		60 - 140
Methylene Chloride		ug/kg wet	ND		61 - 127
Naphthalene		ug/kg wet	ND		38 - 137
n-Butylbenzene		ug/kg wet	ND		70 - 120
n-Propylbenzene		ug/kg wet	ND		70 - 130
sec-Butylbenzene		ug/kg wet	ND		74 - 120
Styrene		ug/kg wet	ND		80 - 120
tert-Butylbenzene		ug/kg wet	ND		73 - 120
Tetrachloroethene	50.0	ug/kg wet	50.2	100	74 - 122
Toluene	50.0	ug/kg wet	46.4	93	74 - 128
trans-1,2-Dichloroethene	50.0	ug/kg wet	53.9	108	78 - 126
trans-1,3-Dichloropropene		ug/kg wet	ND		73 - 123
Trichloroethene	50.0	ug/kg wet	53.4	107	77 - 129
Trichlorofluoromethane		ug/kg wet	ND		65 - 146
Vinyl chloride		ug/kg wet	ND		61 - 133
Xylenes, total	150	ug/kg wet	146	97	80 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Form 3

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT13428
Batch:	10L0699	Laboratory ID:	10L0699-BS1
Preparation:	5030B MS	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED	UNITS	LCS CONCENTRATION	LCS % REC. #	QCLIMITS REC.
1,1,1-Trichloroethane		ug/kg wet	ND		77 - 121
1,1,2,2-Tetrachloroethane		ug/kg wet	ND		80 - 120
1,1,2-Trichloro-1,2,2-trifluorethane		ug/kg wet	ND		60 - 140
1,1,2-Trichloroethane		ug/kg wet	ND		78 - 122
1,1-Dichloroethane	50.0	ug/kg wet	54.7	109	79 - 126
1,1-Dichloroethene	50.0	ug/kg wet	66.1	132	65 - 153
1,2,4-Trichlorobenzene		ug/kg wet	ND		64 - 120
1,2,4-Trimethylbenzene	50.0	ug/kg wet	44.1	88	74 - 120
1,2-Dibromo-3-chloropropane		ug/kg wet	ND		63 - 124
1,2-Dibromoethane (EDB)		ug/kg wet	ND		78 - 120
1,2-Dichlorobenzene	50.0	ug/kg wet	45.8	92	75 - 120
1,2-Dichloroethane	50.0	ug/kg wet	53.1	106	77 - 122
1,2-Dichloropropane		ug/kg wet	ND		75 - 124
1,3,5-Trimethylbenzene		ug/kg wet	ND		74 - 120
1,3-Dichlorobenzene		ug/kg wet	ND		74 - 120
1,4-Dichlorobenzene		ug/kg wet	ND		73 - 120
2-Butanone (MEK)		ug/kg wet	ND		70 - 134
2-Hexanone		ug/kg wet	ND		59 - 130
4-Isopropyltoluene		ug/kg wet	ND		74 - 120
4-Methyl-2-pentanone (MIBK)		ug/kg wet	ND		65 - 133
Acetone		ug/kg wet	ND		61 - 137
Benzene	50.0	ug/kg wet	54.4	109	79 - 127
Bromodichloromethane		ug/kg wet	ND		80 - 122
Bromoform		ug/kg wet	ND		68 - 126
Bromomethane		ug/kg wet	ND		37 - 149
Carbon disulfide		ug/kg wet	ND		64 - 131
Carbon Tetrachloride		ug/kg wet	ND		75 - 135
Chlorobenzene	50.0	ug/kg wet	49.6	99	76 - 124
Chlorodibromomethane		ug/kg wet	ND		76 - 125
Chloroethane		ug/kg wet	ND		69 - 135

Form 3

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT13428
Batch:	10L0699	Laboratory ID:	10L0699-BS1
Preparation:	5030B MS	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED	UNITS	LCS CONCENTRATION	LCS % REC. #	QCLIMITS REC.
Chloroform		ug/kg wet	ND		80 - 118
Chloromethane		ug/kg wet	ND		63 - 127
cis-1,2-Dichloroethene	50.0	ug/kg wet	53.1	106	81 - 117
cis-1,3-Dichloropropene		ug/kg wet	ND		82 - 120
Cyclohexane		ug/kg wet	ND		70 - 130
Dichlorodifluoromethane		ug/kg wet	ND		57 - 142
Ethylbenzene	50.0	ug/kg wet	49.6	99	80 - 120
Isopropylbenzene		ug/kg wet	ND		72 - 120
Methyl Acetate		ug/kg wet	ND		60 - 140
Methyl tert-Butyl Ether	50.0	ug/kg wet	56.0	112	63 - 125
Methylcyclohexane		ug/kg wet	ND		60 - 140
Methylene Chloride		ug/kg wet	ND		61 - 127
Naphthalene		ug/kg wet	ND		38 - 137
n-Butylbenzene		ug/kg wet	ND		70 - 120
n-Propylbenzene		ug/kg wet	ND		70 - 130
sec-Butylbenzene		ug/kg wet	ND		74 - 120
Styrene		ug/kg wet	ND		80 - 120
tert-Butylbenzene		ug/kg wet	ND		73 - 120
Tetrachloroethene	50.0	ug/kg wet	51.3	103	74 - 122
Toluene	50.0	ug/kg wet	47.4	95	74 - 128
trans-1,2-Dichloroethene	50.0	ug/kg wet	55.8	112	78 - 126
trans-1,3-Dichloropropene		ug/kg wet	ND		73 - 123
Trichloroethene	50.0	ug/kg wet	54.2	108	77 - 129
Trichlorofluoromethane		ug/kg wet	ND		65 - 146
Vinyl chloride		ug/kg wet	ND		61 - 133
Xylenes, total	150	ug/kg wet	148	99	80 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT13428
Batch:	10L0624	Laboratory ID:	10L0624-MS1
Preparation:	5030B MS	Initial/Final:	5.15 g / 5 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
1,1,1-Trichloroethane		ug/kg dry	ND	ND		77 - 121
1,1,2,2-Tetrachloroethane		ug/kg dry	ND	ND		80 - 120
1,1,2-Trichloro-1,2,2-trifluorethane		ug/kg dry	ND	ND		60 - 140
1,1,2-Trichloroethane		ug/kg dry	ND	ND		78 - 122
1,1-Dichloroethane	66.8	ug/kg dry	ND	55.1	83	79 - 126
1,1-Dichloroethene	66.8	ug/kg dry	ND	62.7	94	65 - 153
1,2,4-Trichlorobenzene		ug/kg dry	ND	ND		64 - 120
1,2,4-Trimethylbenzene	66.8	ug/kg dry	10.7	53.4	64 *	74 - 120
1,2-Dibromo-3-chloropropane		ug/kg dry	ND	ND		63 - 124
1,2-Dibromoethane (EDB)		ug/kg dry	ND	ND		78 - 120
1,2-Dichlorobenzene	66.8	ug/kg dry	ND	35.9	54 *	75 - 120
1,2-Dichloroethane	66.8	ug/kg dry	ND	49.6	74 *	77 - 122
1,2-Dichloropropane		ug/kg dry	ND	ND		75 - 124
1,3,5-Trimethylbenzene		ug/kg dry	2.89	4.53		74 - 120
1,3-Dichlorobenzene		ug/kg dry	ND	ND		74 - 120
1,4-Dichlorobenzene		ug/kg dry	ND	ND		73 - 120
2-Butanone (MEK)		ug/kg dry	ND	ND		70 - 134
2-Hexanone		ug/kg dry	ND	ND		59 - 130
4-Isopropyltoluene		ug/kg dry	ND	ND		74 - 120
4-Methyl-2-pentanone (MIBK)		ug/kg dry	ND	ND		65 - 133
Acetone		ug/kg dry	43.8	20.9		61 - 137
Benzene	66.8	ug/kg dry	ND	54.8	82	79 - 127
Bromodichloromethane		ug/kg dry	ND	ND		80 - 122
Bromoform		ug/kg dry	ND	ND		68 - 126
Bromomethane		ug/kg dry	ND	ND		37 - 149
Carbon disulfide		ug/kg dry	ND	ND		64 - 131
Carbon Tetrachloride		ug/kg dry	ND	ND		75 - 135
Chlorobenzene	66.8	ug/kg dry	ND	46.3	69 *	76 - 124
Chlorodibromomethane		ug/kg dry	ND	ND		76 - 125
Chloroethane		ug/kg dry	ND	ND		69 - 135
Chloroform		ug/kg dry	ND	ND		80 - 118
Chloromethane		ug/kg dry	ND	ND		63 - 127

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT13428
Batch:	10L0624	Laboratory ID:	10L0624-MS1
Preparation:	5030B MS	Initial/Final:	5.15 g / 5 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
cis-1,2-Dichloroethene	66.8	ug/kg dry	ND	53.1	79 *	81 - 117
cis-1,3-Dichloropropene		ug/kg dry	ND	ND		82 - 120
Cyclohexane		ug/kg dry	ND	ND		70 - 130
Dichlorodifluoromethane		ug/kg dry	ND	ND		57 - 142
Ethylbenzene	66.8	ug/kg dry	5.29	53.5	72 *	80 - 120
Isopropylbenzene		ug/kg dry	1.50	2.38		72 - 120
Methyl Acetate		ug/kg dry	ND	ND		60 - 140
Methyl tert-Butyl Ether	66.8	ug/kg dry	ND	51.9	78	63 - 125
Methylcyclohexane		ug/kg dry	ND	ND		60 - 140
Methylene Chloride		ug/kg dry	25.3	24.9		61 - 127
Naphthalene		ug/kg dry	228	283		38 - 137
n-Butylbenzene		ug/kg dry	ND	ND		70 - 120
n-Propylbenzene		ug/kg dry	ND	ND		70 - 130
sec-Butylbenzene		ug/kg dry	ND	ND		74 - 120
Styrene		ug/kg dry	ND	ND		80 - 120
tert-Butylbenzene		ug/kg dry	ND	ND		73 - 120
Tetrachloroethene	66.8	ug/kg dry	ND	45.3	68 *	74 - 122
Toluene	66.8	ug/kg dry	ND	47.3	71 *	74 - 128
trans-1,2-Dichloroethene	66.8	ug/kg dry	ND	54.7	82	78 - 126
trans-1,3-Dichloropropene		ug/kg dry	ND	ND		73 - 123
Trichloroethene	66.8	ug/kg dry	ND	51.3	77	77 - 129
Trichlorofluoromethane		ug/kg dry	ND	ND		65 - 146
Vinyl chloride		ug/kg dry	ND	ND		61 - 133
Xylenes, total	200	ug/kg dry	15.3	159	72 *	80 - 120

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1-Trichloroethane		ug/kg dry	ND			20	77 - 121
1,1,2,2-Tetrachloroethane		ug/kg dry	ND			20	80 - 120
1,1,2-Trichloro-1,2,2-trifluorethane		ug/kg dry	ND			20	60 - 140
1,1,2-Trichloroethane		ug/kg dry	ND			20	78 - 122
1,1-Dichloroethane	68.1	ug/kg dry	50.7	74 *	8	20	79 - 126
1,1-Dichloroethene	68.1	ug/kg dry	55.3	81	13	22	65 - 153

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT13428
Batch:	10L0624	Laboratory ID:	10L0624-MSD1
Preparation:	5030B MS	Initial/Final:	5.05 g / 5 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,4-Trichlorobenzene		ug/kg dry	ND			20	64 - 120
1,2,4-Trimethylbenzene	68.1	ug/kg dry	52.7	62 *	1	20	74 - 120
1,2-Dibromo-3-chloropropane		ug/kg dry	ND			20	63 - 124
1,2-Dibromoethane (EDB)		ug/kg dry	ND			20	78 - 120
1,2-Dichlorobenzene	68.1	ug/kg dry	28.3	42 *	23 *	20	75 - 120
1,2-Dichloroethane	68.1	ug/kg dry	45.1	66 *	9	20	77 - 122
1,2-Dichloropropane		ug/kg dry	ND			20	75 - 124
1,3,5-Trimethylbenzene		ug/kg dry	6.06		29 *	20	74 - 120
1,3-Dichlorobenzene		ug/kg dry	ND			20	74 - 120
1,4-Dichlorobenzene		ug/kg dry	ND			20	73 - 120
2-Butanone (MEK)		ug/kg dry	ND			20	70 - 134
2-Hexanone		ug/kg dry	ND			20	59 - 130
4-Isopropyltoluene		ug/kg dry	ND			20	74 - 120
4-Methyl-2-pentanone (MIBK)		ug/kg dry	ND			20	65 - 133
Acetone		ug/kg dry	23.6		12	15	61 - 137
Benzene	68.1	ug/kg dry	50.0	73 *	9	20	79 - 127
Bromodichloromethane		ug/kg dry	ND			20	80 - 122
Bromoform		ug/kg dry	ND			20	68 - 126
Bromomethane		ug/kg dry	ND			20	37 - 149
Carbon disulfide		ug/kg dry	ND			20	64 - 131
Carbon Tetrachloride		ug/kg dry	ND			20	75 - 135
Chlorobenzene	68.1	ug/kg dry	38.5	57 *	18	25	76 - 124
Chlorodibromomethane		ug/kg dry	ND			20	76 - 125
Chloroethane		ug/kg dry	ND			20	69 - 135
Chloroform		ug/kg dry	ND			20	80 - 118
Chloromethane		ug/kg dry	ND			20	63 - 127
cis-1,2-Dichloroethene	68.1	ug/kg dry	47.1	69 *	12	20	81 - 117
cis-1,3-Dichloropropene		ug/kg dry	ND			20	82 - 120
Cyclohexane		ug/kg dry	ND			20	70 - 130
Dichlorodifluoromethane		ug/kg dry	ND			20	57 - 142
Ethylbenzene	68.1	ug/kg dry	52.5	69 *	2	20	80 - 120
Isopropylbenzene		ug/kg dry	3.34		34 *	20	72 - 120
Methyl Acetate		ug/kg dry	ND			20	60 - 140

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT13428
Batch:	10L0624	Laboratory ID:	10L0624-MSD1
Preparation:	5030B MS	Initial/Final:	5.05 g / 5 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methyl tert-Butyl Ether	68.1	ug/kg dry	49.9	73	4	20	63 - 125
Methylcyclohexane		ug/kg dry	ND			20	60 - 140
Methylene Chloride		ug/kg dry	27.5		10	15	61 - 127
Naphthalene		ug/kg dry	359		24 *	20	38 - 137
n-Butylbenzene		ug/kg dry	ND			20	70 - 120
n-Propylbenzene		ug/kg dry	ND			20	70 - 130
sec-Butylbenzene		ug/kg dry	ND			20	74 - 120
Styrene		ug/kg dry	ND			20	80 - 120
tert-Butylbenzene		ug/kg dry	ND			20	73 - 120
Tetrachloroethene	68.1	ug/kg dry	36.8	54 *	21 *	20	74 - 122
Toluene	68.1	ug/kg dry	42.9	63 *	10	20	74 - 128
trans-1,2-Dichloroethene	68.1	ug/kg dry	47.1	69 *	15	20	78 - 126
trans-1,3-Dichloropropene		ug/kg dry	ND			20	73 - 123
Trichloroethene	68.1	ug/kg dry	43.1	63 *	17	24	77 - 129
Trichlorofluoromethane		ug/kg dry	ND			20	65 - 146
Vinyl chloride		ug/kg dry	ND			20	61 - 133
Xylenes, total	204	ug/kg dry	156	69 *	2	20	80 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

PREPARATION BATCH SUMMARY

8260B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Batch: 10L0624 Batch Matrix: Solid
Preparation: 5030B MS

SAMPLE NAME	LAB SAMPLE ID	INITIAL	FINAL	DATE PREPARED	TOT/DIS
Blank	10L0624-BLK1	5.00 g	5.00 mL	12/08/10 10:55	N/A
LCS	10L0624-BS1	5.00 g	5.00 mL	12/08/10 10:55	N/A
SP-12-6-10	10L0624-MS1	5.15 g	5.00 mL	12/08/10 10:55	N/A
SP-12-6-10	10L0624-MSD1	5.05 g	5.00 mL	12/08/10 10:55	N/A
SP-1-5-7	RTL0572-01	5.13 g	5.00 mL	12/08/10 10:55	N/A
SP-3-4-6	RTL0572-03	5.05 g	5.00 mL	12/08/10 10:55	N/A
SP-4-2-4	RTL0572-04	5.08 g	5.00 mL	12/08/10 10:55	N/A
SP-5-2-4	RTL0572-05	5.00 g	5.00 mL	12/08/10 10:55	N/A
SP-6-2-4	RTL0572-06	5.02 g	5.00 mL	12/08/10 10:55	N/A
SP-7-4-6	RTL0572-07	5.14 g	5.00 mL	12/08/10 10:55	N/A
SP-8-4-6	RTL0572-08	5.06 g	5.00 mL	12/08/10 10:55	N/A
SP-9-2-4	RTL0572-09	5.05 g	5.00 mL	12/08/10 10:55	N/A
SP-10-2-4	RTL0572-10	5.11 g	5.00 mL	12/08/10 10:55	N/A
SP-11-2-4	RTL0572-11	5.04 g	5.00 mL	12/08/10 10:55	N/A
DUP-1	RTL0572-12	5.04 g	5.00 mL	12/08/10 10:55	N/A
SP-12-6-10	RTL0572-13	5.03 g	5.00 mL	12/08/10 10:55	N/A

PREPARATION BATCH SUMMARY

8260B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Batch: 10L0699 Batch Matrix: Solid
Preparation: 5030B MS

SAMPLE NAME	LAB SAMPLE ID	INITIAL	FINAL	DATE PREPARED	TOT/DIS
Blank	10L0699-BLK1	5.00 g	5.00 mL	12/08/10 22:49	N/A
LCS	10L0699-BS1	5.00 g	5.00 mL	12/08/10 22:49	N/A
SP-2-6-8	RTL0572-02	5.16 g	5.00 mL	12/08/10 22:49	N/A

Form 5

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Lab File ID:	F8927.D	Injection Date:	12/04/10
Instrument ID:	HP5973F	Injection Time:	16:08
Sequence:	T005522	Lab Sample ID:	T005522-TUN1
Calibration:	R10L016		

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.119	PASS
75	30 - 60% of 95	42.405	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.7606	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	90.909	PASS
175	5 - 9% of 174	7.5227	PASS
176	95 - 101% of 174	97.901	PASS
177	5 - 9% of 176	6.4128	PASS

INITIAL CALIBRATION STANDARDS

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005522	Instrument:	HP5973F
Calibration:	R10L016		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
RT12565	BFB Working Standard	T005522-TUN1	F8927.D	12/04/10 16:08
RT14795	F SOIL CAL1 @ 5PPB	T005522-CAL1	F8929.D	12/04/10 16:58
RT14796	F SOIL CAL2 @ 20PPB	T005522-CAL2	F8930.D	12/04/10 17:24
RT14797	F SOIL CAL3 @ 50PPB	T005522-CAL3	F8931.D	12/04/10 17:50
RT14798	F SOIL CAL4 @ 100PPB	T005522-CAL4	F8932.D	12/04/10 18:16
RT14799	F SOIL CAL5 @ 200PPB	T005522-CAL5	F8933.D	12/04/10 18:41

Form 5

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Lab File ID:	F8996.D	Injection Date:	12/08/10
Instrument ID:	HP5973F	Injection Time:	10:32
Sequence:	T005584	Lab Sample ID:	T005584-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.033	PASS
75	30 - 60% of 95	41.854	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.1741	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	93.552	PASS
175	5 - 9% of 174	7.4338	PASS
176	95 - 101% of 174	97.825	PASS
177	5 - 9% of 176	6.6119	PASS

Form 5A

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005584	Instrument:	HP5973F
		Calibration:	R10L016

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	T005584-TUN1	F8996.D	12/08/10 10:32
Calibration Check	T005584-CCV1	F8997.D	12/08/10 10:57
LCS	10L0624-BS1	F8999.D	12/08/10 11:56
Blank	10L0624-BLK1	F9000.D	12/08/10 12:22
SP-1-5-7	RTL0572-01	F9003.D	12/08/10 13:44
SP-3-4-6	RTL0572-03	F9005.D	12/08/10 14:35
SP-4-2-4	RTL0572-04	F9006.D	12/08/10 15:00
SP-5-2-4	RTL0572-05	F9007.D	12/08/10 15:26
SP-6-2-4	RTL0572-06	F9008.D	12/08/10 15:51
SP-7-4-6	RTL0572-07	F9009.D	12/08/10 16:17
SP-8-4-6	RTL0572-08	F9010.D	12/08/10 16:42
SP-9-2-4	RTL0572-09	F9011.D	12/08/10 17:08
SP-10-2-4	RTL0572-10	F9012.D	12/08/10 17:33
SP-11-2-4	RTL0572-11	F9013.D	12/08/10 17:59
DUP-1	RTL0572-12	F9014.D	12/08/10 18:24
SP-12-6-10	RTL0572-13	F9015.D	12/08/10 18:50
SP-12-6-10	10L0624-MS1	F9016.D	12/08/10 19:15
SP-12-6-10	10L0624-MSD1	F9017.D	12/08/10 19:41

Form 5

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Lab File ID:	F9020.D	Injection Date:	12/08/10
Instrument ID:	HP5973F	Injection Time:	20:49
Sequence:	T005595	Lab Sample ID:	T005595-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.294	PASS
75	30 - 60% of 95	42.348	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.2195	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	92.276	PASS
175	5 - 9% of 174	6.9895	PASS
176	95 - 101% of 174	97.717	PASS
177	5 - 9% of 176	6.5956	PASS

Form 5A

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005595	Instrument:	HP5973F
		Calibration:	R10L016

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	T005595-TUN1	F9020.D	12/08/10 20:49
Calibration Check	T005595-CCV1	F9022.D	12/08/10 21:52
LCS	10L0699-BS1	F9024.D	12/08/10 22:59
Blank	10L0699-BLK1	F9025.D	12/08/10 23:25
SP-2-6-8	RTL0572-02	F9026.D	12/09/10 00:02

Form 8

INTERNAL STANDARD AREA AND RT SUMMARY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005584	Instrument:	HP5973F
Matrix:	Solid	Calibration:	R10L016

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (T005584-CCV1)			Lab File ID: F8997.D			Analyzed: 12/08/10 10:57			
1,4-Dichlorobenzene-d4	390973	10.88				50 - 200		+/-0.50	
1,4-Difluorobenzene	707306	5.8				50 - 200		+/-0.50	
Chlorobenzene-d5	344253	8.59				50 - 200		+/-0.50	
LCS (10L0624-BS1)			Lab File ID: F8999.D			Analyzed: 12/08/10 11:56			
1,4-Dichlorobenzene-d4	370506	10.88	390973	10.88	95	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	688372	5.8	707306	5.8	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	335937	8.59	344253	8.59	98	50 - 200	0.0000	+/-0.50	
Blank (10L0624-BLK1)			Lab File ID: F9000.D			Analyzed: 12/08/10 12:22			
1,4-Dichlorobenzene-d4	315609	10.89	390973	10.88	81	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	676027	5.8	707306	5.8	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	319625	8.59	344253	8.59	93	50 - 200	0.0000	+/-0.50	
SP-1-5-7 (RTL0572-01)			Lab File ID: F9003.D			Analyzed: 12/08/10 13:44			
1,4-Dichlorobenzene-d4	420965	10.88	390973	10.88	108	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	732097	5.8	707306	5.8	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	362577	8.59	344253	8.59	105	50 - 200	0.0000	+/-0.50	
SP-3-4-6 (RTL0572-03)			Lab File ID: F9005.D			Analyzed: 12/08/10 14:35			
1,4-Dichlorobenzene-d4	360059	10.88	390973	10.88	92	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	680443	5.8	707306	5.8	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	331844	8.59	344253	8.59	96	50 - 200	0.0000	+/-0.50	
SP-4-2-4 (RTL0572-04)			Lab File ID: F9006.D			Analyzed: 12/08/10 15:00			
1,4-Dichlorobenzene-d4	389147	10.88	390973	10.88	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	722301	5.8	707306	5.8	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	355316	8.59	344253	8.59	103	50 - 200	0.0000	+/-0.50	
SP-5-2-4 (RTL0572-05)			Lab File ID: F9007.D			Analyzed: 12/08/10 15:26			
1,4-Dichlorobenzene-d4	442369	10.88	390973	10.88	113	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	774066	5.8	707306	5.8	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	388522	8.59	344253	8.59	113	50 - 200	0.0000	+/-0.50	
SP-6-2-4 (RTL0572-06)			Lab File ID: F9008.D			Analyzed: 12/08/10 15:51			
1,4-Dichlorobenzene-d4	403522	10.88	390973	10.88	103	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	718069	5.81	707306	5.8	102	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	358373	8.59	344253	8.59	104	50 - 200	0.0000	+/-0.50	
SP-7-4-6 (RTL0572-07)			Lab File ID: F9009.D			Analyzed: 12/08/10 16:17			
1,4-Dichlorobenzene-d4	392356	10.88	390973	10.88	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	736013	5.81	707306	5.8	104	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	368214	8.59	344253	8.59	107	50 - 200	0.0000	+/-0.50	

Form 8

INTERNAL STANDARD AREA AND RT SUMMARY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005584	Instrument:	HP5973F
Matrix:	Solid	Calibration:	R10L016

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SP-8-4-6 (RTL0572-08)			Lab File ID: F9010.D			Analyzed: 12/08/10 16:42			
1,4-Dichlorobenzene-d4	391271	10.89	390973	10.88	100	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	702033	5.81	707306	5.8	99	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	346221	8.59	344253	8.59	101	50 - 200	0.0000	+/-0.50	
SP-9-2-4 (RTL0572-09)			Lab File ID: F9011.D			Analyzed: 12/08/10 17:08			
1,4-Dichlorobenzene-d4	382566	10.88	390973	10.88	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	696158	5.8	707306	5.8	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	343904	8.59	344253	8.59	100	50 - 200	0.0000	+/-0.50	
SP-10-2-4 (RTL0572-10)			Lab File ID: F9012.D			Analyzed: 12/08/10 17:33			
1,4-Dichlorobenzene-d4	382914	10.88	390973	10.88	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	703961	5.8	707306	5.8	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	346314	8.59	344253	8.59	101	50 - 200	0.0000	+/-0.50	
SP-11-2-4 (RTL0572-11)			Lab File ID: F9013.D			Analyzed: 12/08/10 17:59			
1,4-Dichlorobenzene-d4	353464	10.88	390973	10.88	90	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	689943	5.8	707306	5.8	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	331123	8.59	344253	8.59	96	50 - 200	0.0000	+/-0.50	
DUP-1 (RTL0572-12)			Lab File ID: F9014.D			Analyzed: 12/08/10 18:24			
1,4-Dichlorobenzene-d4	384092	10.88	390973	10.88	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	702077	5.81	707306	5.8	99	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	348613	8.59	344253	8.59	101	50 - 200	0.0000	+/-0.50	
SP-12-6-10 (RTL0572-13)			Lab File ID: F9015.D			Analyzed: 12/08/10 18:50			
1,4-Dichlorobenzene-d4	429094	10.88	390973	10.88	110	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	753899	5.8	707306	5.8	107	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	376378	8.59	344253	8.59	109	50 - 200	0.0000	+/-0.50	
Matrix Spike (10L0624-MS1)			Lab File ID: F9016.D			Analyzed: 12/08/10 19:15			
1,4-Dichlorobenzene-d4	394724	10.88	390973	10.88	101	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	744698	5.8	707306	5.8	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	353582	8.59	344253	8.59	103	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (10L0624-MSD1)			Lab File ID: F9017.D			Analyzed: 12/08/10 19:41			
1,4-Dichlorobenzene-d4	428256	10.88	390973	10.88	110	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	792191	5.81	707306	5.8	112	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	378011	8.59	344253	8.59	110	50 - 200	0.0000	+/-0.50	

* Values outside of QC limits

Form 8

INTERNAL STANDARD AREA AND RT SUMMARY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005595	Instrument:	HP5973F
Matrix:	Solid	Calibration:	R10L016

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (T005595-CCV1)			Lab File ID: F9022.D			Analyzed: 12/08/10 21:52			
1,4-Dichlorobenzene-d4	457489	10.88				50 - 200		+/-0.50	
1,4-Difluorobenzene	777455	5.8				50 - 200		+/-0.50	
Chlorobenzene-d5	388632	8.59				50 - 200		+/-0.50	
LCS (10L0699-BS1)			Lab File ID: F9024.D			Analyzed: 12/08/10 22:59			
1,4-Dichlorobenzene-d4	398993	10.88	457489	10.88	87	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	724386	5.8	777455	5.8	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	353582	8.59	388632	8.59	91	50 - 200	0.0000	+/-0.50	
Blank (10L0699-BLK1)			Lab File ID: F9025.D			Analyzed: 12/08/10 23:25			
1,4-Dichlorobenzene-d4	375928	10.88	457489	10.88	82	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	714423	5.8	777455	5.8	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	346962	8.59	388632	8.59	89	50 - 200	0.0000	+/-0.50	
SP-2-6-8 (RTL0572-02)			Lab File ID: F9026.D			Analyzed: 12/09/10 00:02			
1,4-Dichlorobenzene-d4	448030	10.88	457489	10.88	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	772598	5.8	777455	5.8	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	436998	8.59	388632	8.59	112	50 - 200	0.0000	+/-0.50	

* Values outside of QC limits

METHOD DETECTION AND REPORTING LIMITS

8260B

Laboratory: TestAmerica Buffalo **SDG:** RTL0572

Client: PARS Environmental, Inc. **Project:** NF Armed Forces Reserve Center Solids Te

Matrix: Solid **Instrument:** HP5973F

Analyte	MDL	MRL	Units
1,1,1-Trichloroethane	0.36	5.0	ug/kg
1,1,2,2-Tetrachloroethane	0.81	5.0	ug/kg
1,1,2-Trichloro-1,2,2-trifluorethane	1.1	5.0	ug/kg
1,1,2-Trichloroethane	0.65	5.0	ug/kg
1,1-Dichloroethane	0.61	5.0	ug/kg
1,1-Dichloroethene	0.61	5.0	ug/kg
1,2,4-Trichlorobenzene	0.30	5.0	ug/kg
1,2,4-Trimethylbenzene	0.96	5.0	ug/kg
1,2-Dibromo-3-chloropropane	2.5	5.0	ug/kg
1,2-Dibromoethane (EDB)	0.64	5.0	ug/kg
1,2-Dichlorobenzene	0.39	5.0	ug/kg
1,2-Dichloroethane	0.25	5.0	ug/kg
1,2-Dichloropropane	2.5	5.0	ug/kg
1,3,5-Trimethylbenzene	0.32	5.0	ug/kg
1,3-Dichlorobenzene	0.26	5.0	ug/kg
1,4-Dichlorobenzene	0.70	5.0	ug/kg
2-Butanone (MEK)	1.8	25	ug/kg
2-Hexanone	2.5	25	ug/kg
4-Isopropyltoluene	0.40	5.0	ug/kg
4-Methyl-2-pentanone (MIBK)	1.6	25	ug/kg
Acetone	4.2	25	ug/kg
Benzene	0.24	5.0	ug/kg
Bromodichloromethane	0.67	5.0	ug/kg
Bromoform	2.5	5.0	ug/kg
Bromomethane	0.45	5.0	ug/kg
Carbon disulfide	2.5	5.0	ug/kg
Carbon Tetrachloride	0.48	5.0	ug/kg
Chlorobenzene	0.66	5.0	ug/kg
Chlorodibromomethane	0.64	5.0	ug/kg
Chloroethane	1.1	5.0	ug/kg
Chloroform	0.31	5.0	ug/kg
Chloromethane	0.30	5.0	ug/kg
cis-1,2-Dichloroethene	0.64	5.0	ug/kg
cis-1,3-Dichloropropene	0.72	5.0	ug/kg
Cyclohexane	0.70	5.0	ug/kg
Dichlorodifluoromethane	0.41	5.0	ug/kg
Ethylbenzene	0.34	5.0	ug/kg
Isopropylbenzene	0.75	5.0	ug/kg

METHOD DETECTION AND REPORTING LIMITS

8260B

Laboratory: TestAmerica Buffalo **SDG:** RTL0572

Client: PARS Environmental, Inc. **Project:** NF Armed Forces Reserve Center Solids Te

Matrix: Solid **Instrument:** HP5973F

Analyte	MDL	MRL	Units
Methyl Acetate	0.93	5.0	ug/kg
Methyl tert-Butyl Ether	0.49	5.0	ug/kg
Methylcyclohexane	0.76	5.0	ug/kg
Methylene Chloride	2.3	5.0	ug/kg
Naphthalene	0.67	5.0	ug/kg
n-Butylbenzene	0.44	5.0	ug/kg
n-Propylbenzene	0.40	5.0	ug/kg
sec-Butylbenzene	0.44	5.0	ug/kg
Styrene	0.25	5.0	ug/kg
tert-Butylbenzene	0.52	5.0	ug/kg
Tetrachloroethene	0.67	5.0	ug/kg
Toluene	0.38	5.0	ug/kg
trans-1,2-Dichloroethene	0.52	5.0	ug/kg
trans-1,3-Dichloropropene	2.2	5.0	ug/kg
Trichloroethene	1.1	5.0	ug/kg
Trichlorofluoromethane	0.47	5.0	ug/kg
Vinyl chloride	0.61	5.0	ug/kg
Xylenes, total	0.84	10	ug/kg

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-1-5-7

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-01	File ID:	F9003.D
Sampled:	12/06/10 09:05	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 13:44
Solids:	90.23	Preparation:	5030B MS	Initial/Final:	5.13 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	1	5.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	5.4	U
79-00-5	1,1,2-Trichloroethane	1	5.4	U
75-34-3	1,1-Dichloroethane	1	5.4	U
75-35-4	1,1-Dichloroethene	1	5.4	U
120-82-1	1,2,4-Trichlorobenzene	1	5.4	U
95-63-6	1,2,4-Trimethylbenzene	1	1.4	J
96-12-8	1,2-Dibromo-3-chloropropane	1	5.4	U
106-93-4	1,2-Dibromoethane (EDB)	1	5.4	U
95-50-1	1,2-Dichlorobenzene	1	5.4	U
107-06-2	1,2-Dichloroethane	1	5.4	U
78-87-5	1,2-Dichloropropane	1	5.4	U
108-67-8	1,3,5-Trimethylbenzene	1	5.4	U
541-73-1	1,3-Dichlorobenzene	1	5.4	U
106-46-7	1,4-Dichlorobenzene	1	5.4	U
78-93-3	2-Butanone (MEK)	1	27	U
591-78-6	2-Hexanone	1	27	U
99-87-6	4-Isopropyltoluene	1	5.4	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	27	U
67-64-1	Acetone	1	7.1	J
71-43-2	Benzene	1	5.4	U
75-27-4	Bromodichloromethane	1	5.4	U
75-25-2	Bromoform	1	5.4	U
74-83-9	Bromomethane	1	5.4	U
75-15-0	Carbon disulfide	1	5.4	U
56-23-5	Carbon Tetrachloride	1	5.4	U
108-90-7	Chlorobenzene	1	5.4	U
124-48-1	Chlorodibromomethane	1	5.4	U
75-00-3	Chloroethane	1	5.4	U
67-66-3	Chloroform	1	5.4	U
74-87-3	Chloromethane	1	5.4	U
156-59-2	cis-1,2-Dichloroethene	1	5.4	U
10061-01-5	cis-1,3-Dichloropropene	1	5.4	U
110-82-7	Cyclohexane	1	5.4	U
75-71-8	Dichlorodifluoromethane	1	5.4	U
100-41-4	Ethylbenzene	1	5.4	U
98-82-8	Isopropylbenzene	1	5.4	U
79-20-9	Methyl Acetate	1	5.4	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SP-1-5-7

Laboratory:	TestAmerica Buffalo		SDG:	RTL0572	
Client:	PARS Environmental, Inc.		Project:	NF Armed Forces Reserve Center Solids Testing	
Matrix:	Solid	Laboratory ID:	RTL0572-01	File ID:	F9003.D
Sampled:	12/06/10 09:05	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 13:44
Solids:	90.23	Preparation:	5030B MS	Initial/Final:	5.13 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	5.4	U
108-87-2	Methylcyclohexane	1	5.4	U
75-09-2	Methylene Chloride	1	25	
91-20-3	Naphthalene	1	5.4	U
104-51-8	n-Butylbenzene	1	5.4	U
103-65-1	n-Propylbenzene	1	5.4	U
135-98-8	sec-Butylbenzene	1	5.4	U
100-42-5	Styrene	1	5.4	U
98-06-6	tert-Butylbenzene	1	5.4	U
127-18-4	Tetrachloroethene	1	5.4	U
108-88-3	Toluene	1	5.4	U
156-60-5	trans-1,2-Dichloroethene	1	5.4	U
10061-02-6	trans-1,3-Dichloropropene	1	5.4	U
79-01-6	Trichloroethene	1	5.4	U
75-69-4	Trichlorofluoromethane	1	5.4	U
75-01-4	Vinyl chloride	1	5.4	U
1330-20-7	Xylenes, total	1	11	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	11.785	8.4	
110-54-3	Hexane	4.144	7.9	
000767-58-8	Indan, 1-methyl-	12.217	10	
none	Unknown01	12.473	6.9	
none	Unknown02	12.588	7.9	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	54.0	108	64 - 126	
4-Bromofluorobenzene	50.0	51.9	104	72 - 126	
Toluene-d8	50.0	52.0	104	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	420965	10.88	390973	10.88	
1,4-Difluorobenzene	732097	5.8	707306	5.8	
Chlorobenzene-d5	362577	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9003.D Vial: 9
Acq On : 8 Dec 2010 13:44 Operator: PJQ
Sample : RTL0572-01 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:28:21 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	732097	50.00	ug/L	0.00 103.50%
42) CI20	Chlorobenzene-D5	8.59	82	362577	50.00	ug/L	0.00 105.32%
62) CI30	1,4-Dichlorobenzene-	10.88	152	420965	50.00	ug/L	0.00 107.67%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.49	65	254917	54.04	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	108.08%		
43) CS05	Toluene-D8	7.13	98	1071333	51.96	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	103.92%		
61) CS10	p-Bromofluorobenzene	9.80	174	339806	51.87	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	103.74%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	3.82	84	100021	23.53	ug/L	92
11) C040	Carbon disulfide	3.65	76	4886	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	3.48	43	7961	6.59	ug/L	96
15) C300	Acetonitrile	3.81	41	5407	10.24	ug/L	100
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	3.75	43	1408	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	5.06	83	327	N.D.		
27) C256	Cyclohexane	5.20	56	710	N.D.		
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	5.52	78	363	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	4.81	43	1829	N.D.		

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9003.D
Acq On : 8 Dec 2010 13:44
Sample : RTL0572-01
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:28:21 2010

Vial: 9
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	0.00	83	0	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	2821	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	6.92	43	316	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	7.87	43	5626	N.D.	
54)	C235	Chlorobenzene	0.00	112	0	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.68	91	3567	N.D.	
57)	C246	m,p-Xylene	8.80	106	3461	N.D.	
58)	C247	o-Xylene	9.24	106	1142	N.D.	
59)	C245	Styrene	0.00	104	0	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	9.58	105	2532	N.D.	
64)	C301	Bromobenzene	10.05	156	5684	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	9.99	91	12782	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.15	105	11103	N.D.	
72)	C306	tert-Butylbenzene	10.64	134	2913	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	33058	1.33 ug/L	94
74)	C308	sec-Butylbenzene	10.66	105	6729	N.D.	
75)	C260	1,3-Dichlorobenzene	10.91	146	139	N.D.	
76)	C309	p-Cymene (4-Isopropy	10.73	119	2564	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
79)	C310	n-Butylbenzene	11.15	91	21276	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	11.79	75	586	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.82	128	9425	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

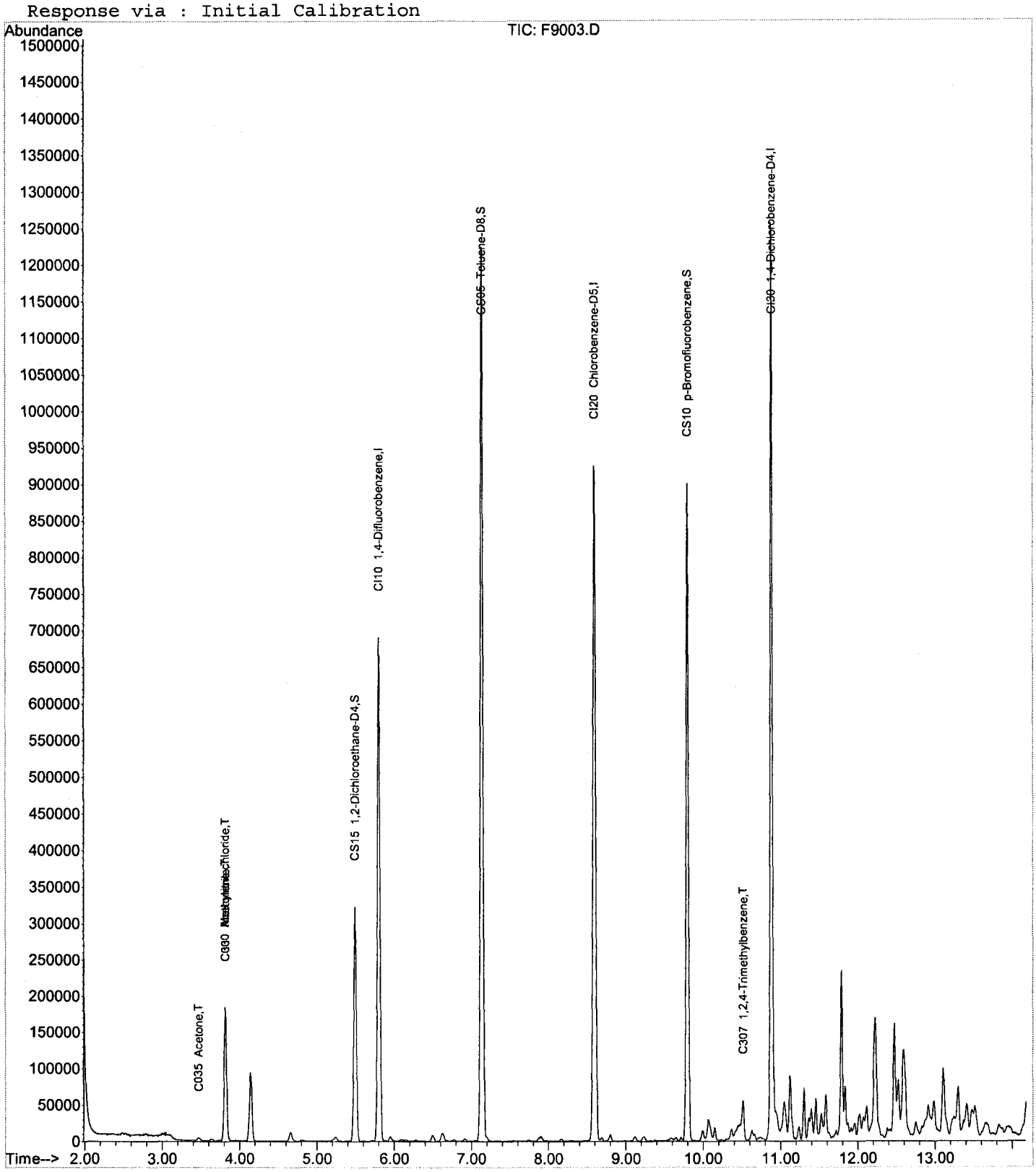
12/14/2010

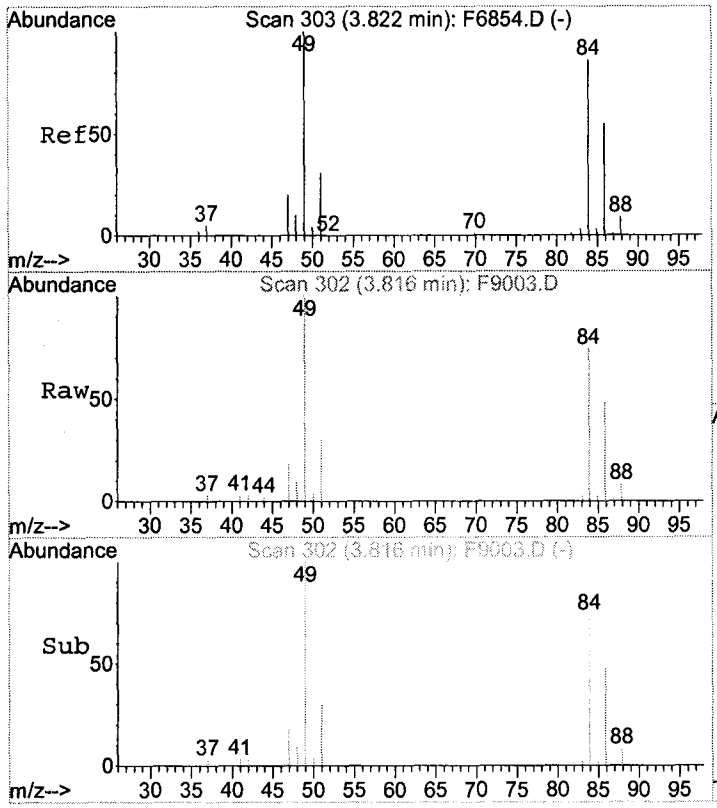
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9003.D Vial: 9
Acq On : 8 Dec 2010 13:44 Operator: PJQ
Sample : RTL0572-01 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:24 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration

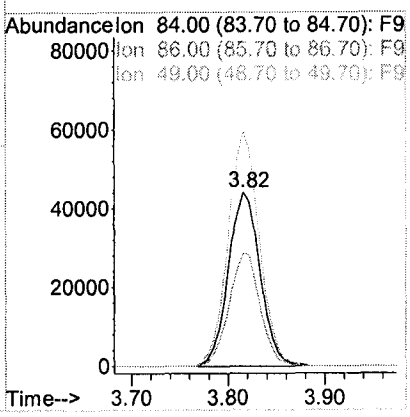


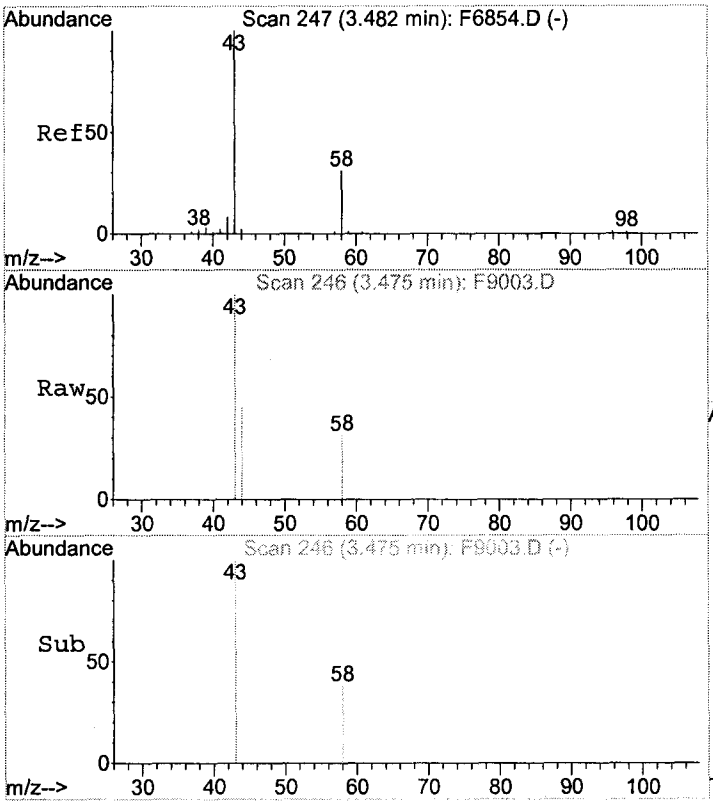


#10
C030 Methylene chloride
Concen: 23.53 ug/L
RT: 3.82 min Scan# 302
Delta R.T. -0.00 min
Lab File: F9003.D
Acq: 8 Dec 2010 13:44

Tgt Ion: 84 Resp: 100021

Ion	Ratio	Lower	Upper
84	100		
86	64.6	40.0	100.0
49	135.0	95.0	155.0

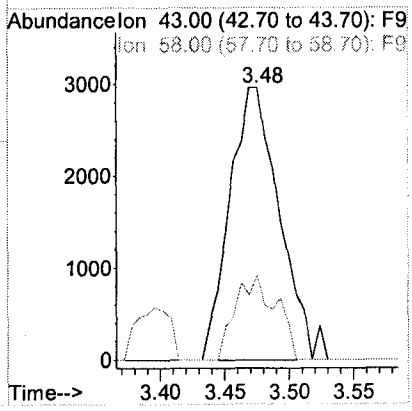


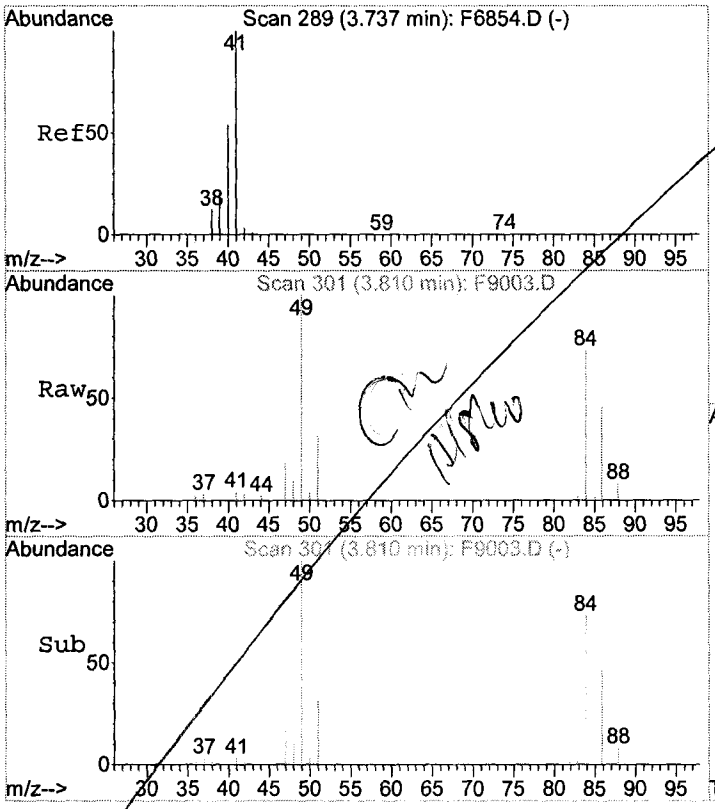


#14
C035 Acetone
Concen: 6.59 ug/L
RT: 3.48 min Scan# 246
Delta R.T. 0.01 min
Lab File: F9003.D
Acq: 8 Dec 2010 13:44

Tgt Ion: 43 Resp: 7961

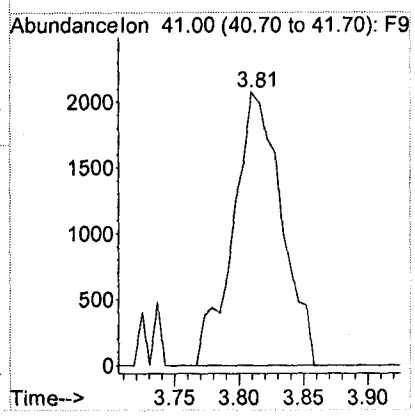
Ion	Ratio	Lower	Upper
43	100		
58	30.9	3.0	63.0

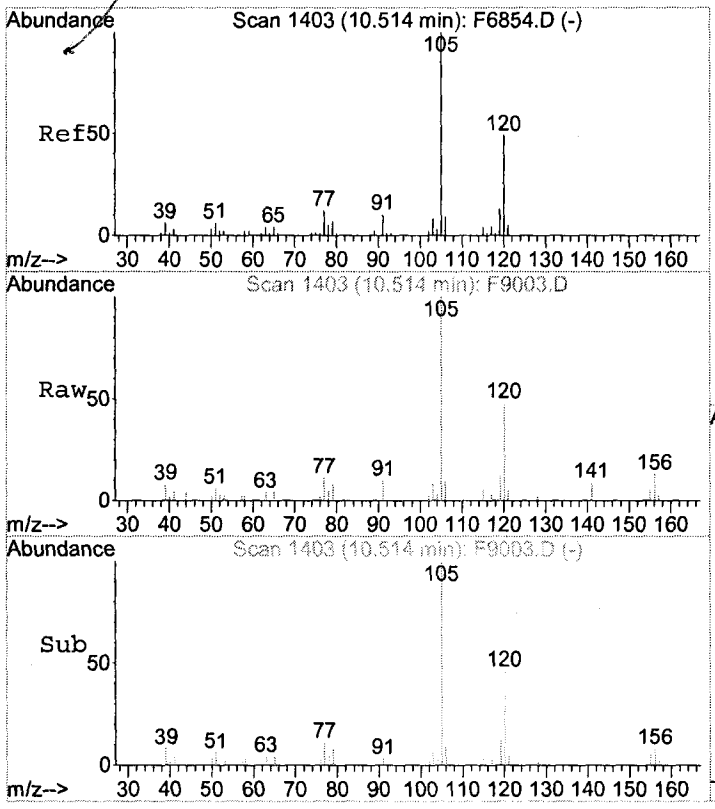




#15
C300 Acetonitrile
Concen: 10.24 ug/L
RT: 3.81 min Scan# 301
Delta R.T. 0.08 min
Lab File: F9003.D
Acq: 8 Dec 2010 13:44

Tgt Ion: 41 Resp: 5407

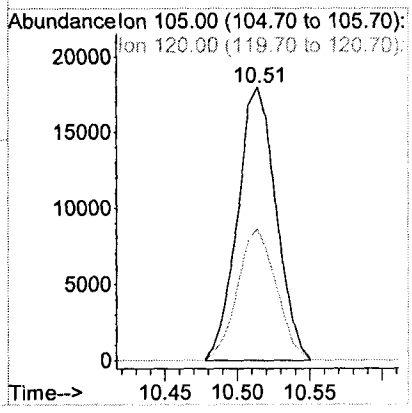




#73
C307 1,2,4-Trimethylbenzene
Concen: 1.33 ug/L
RT: 10.51 min Scan# 1403
Delta R.T. -0.00 min
Lab File: F9003.D
Acq: 8 Dec 2010 13:44

Tgt Ion:105 Resp: 33058

Ion	Ratio	Lower	Upper
105	100		
120	47.9	22.5	82.5



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9003.D
Acq On : 8 Dec 2010 13:44
Sample : RTL0572-01
Misc :
MS Integration Params: Lscint.p

Vial: 9
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

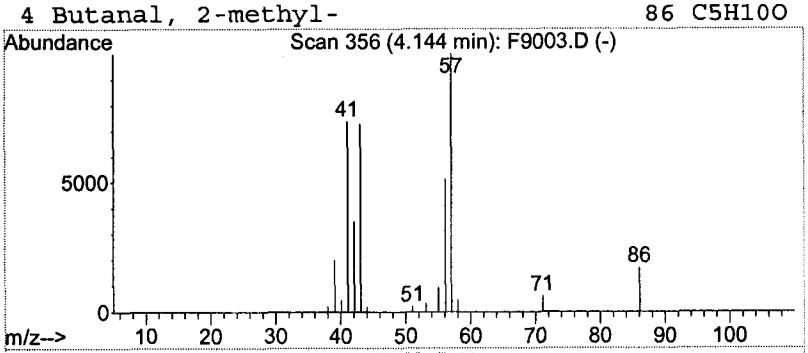
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

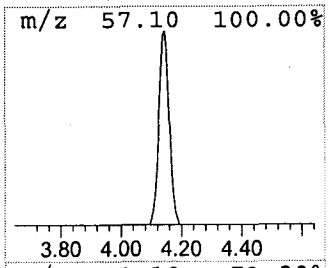
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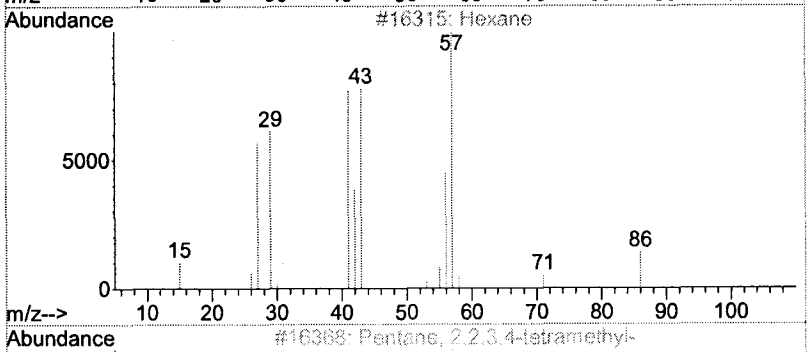
Peak Number 1 Hexane — Concentration Rank 4

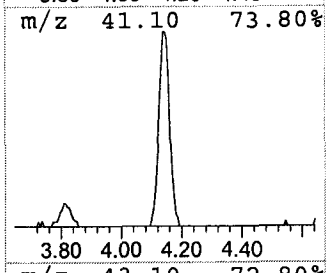
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.14	7.28 ug/L	220275	CI10 1,4-Difluor	1513700	5.80

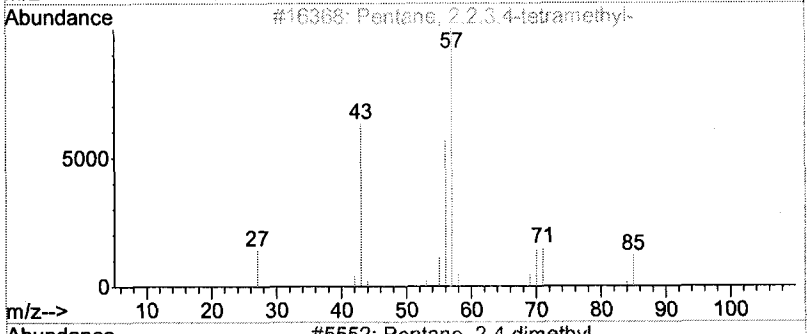
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	38
4	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38

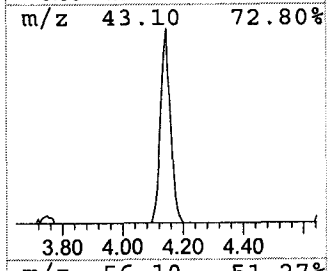


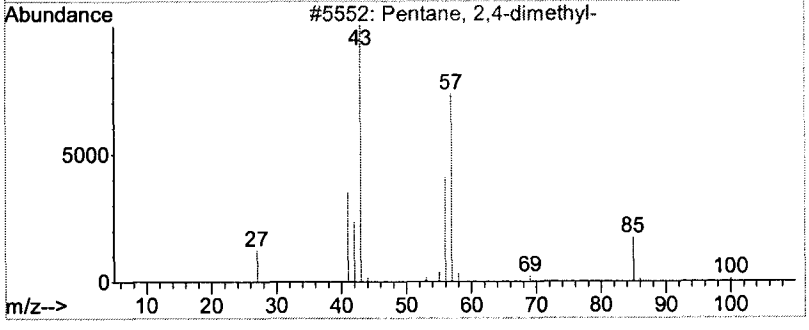


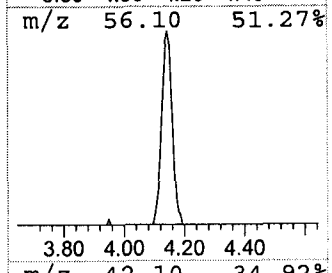


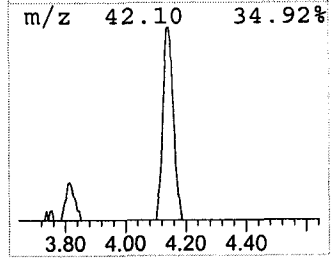












Data File : H:\GCMS_VOA\F\120810\F9003.D
Acq On : 8 Dec 2010 13:44
Sample : RTL0572-01
Misc :
MS Integration Params: Lscint.p

Vial: 9
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

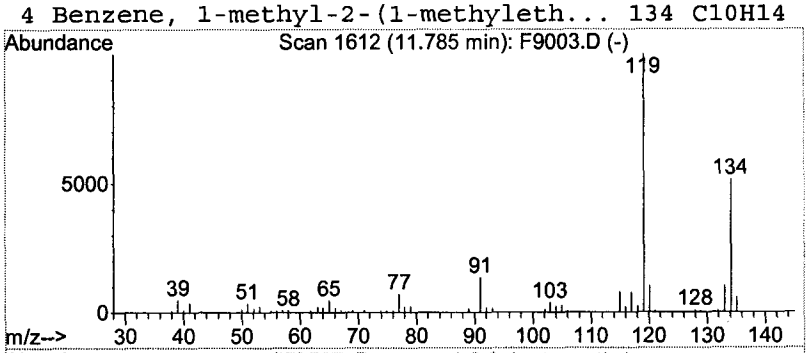
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

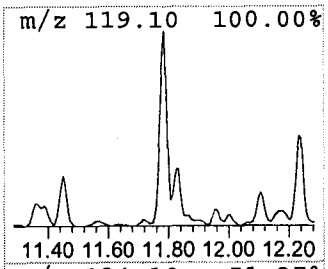
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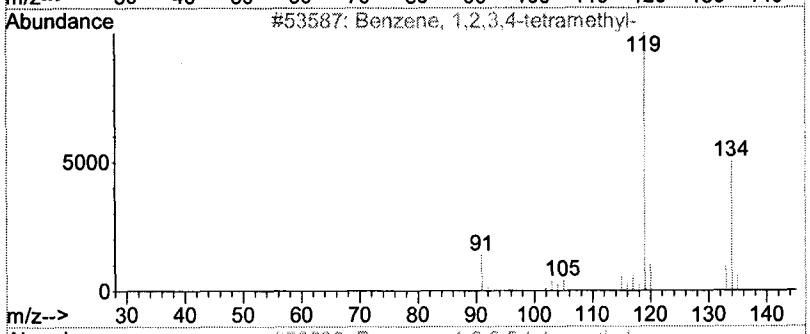
Peak Number 2 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 2

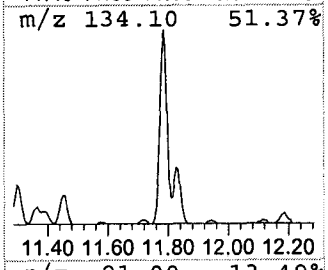
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
11.79	7.73 ug/L	387392	CI30 1,4-Dichlor	2504330	10.88

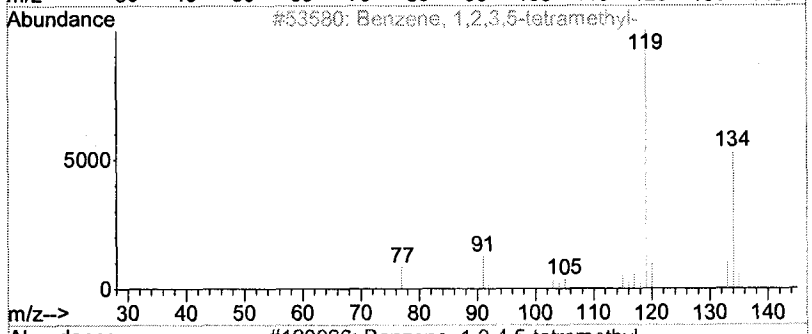
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95

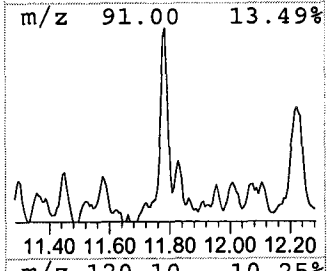


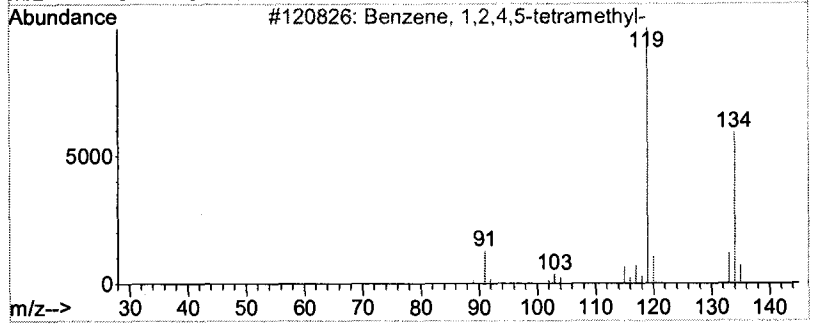


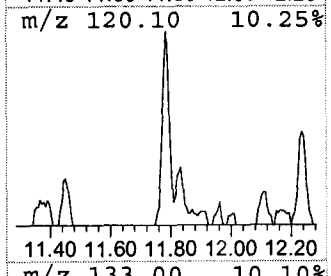


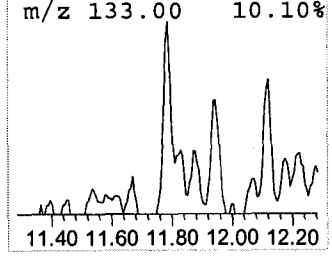












Data File : H:\GCMS_VOA\F\120810\F9003.D
Acq On : 8 Dec 2010 13:44
Sample : RTL0572-01
Misc :
MS Integration Params: Lscint.p

Vial: 9
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

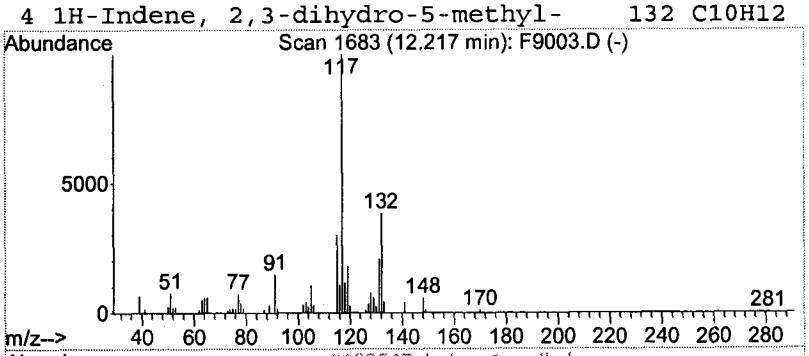
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

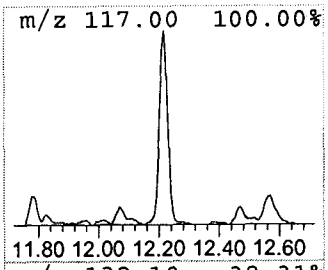
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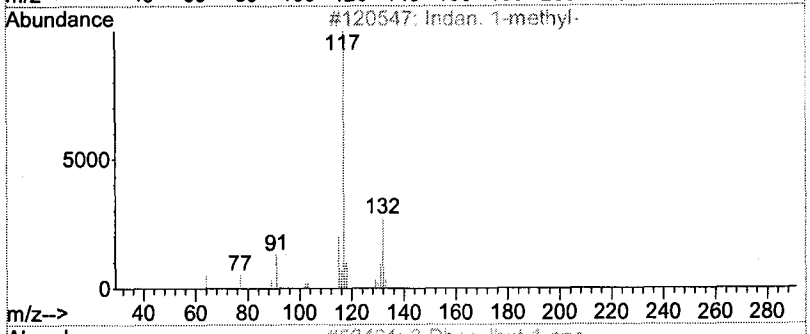
Peak Number 3 Indan, 1-methyl- Concentration Rank 1

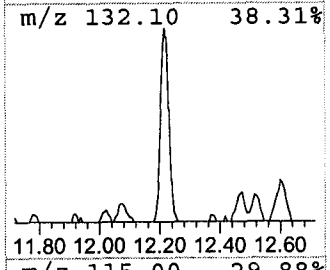
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
12.22	9.49 ug/L	475492	CI30 1,4-Dichlor	2504330	10.88

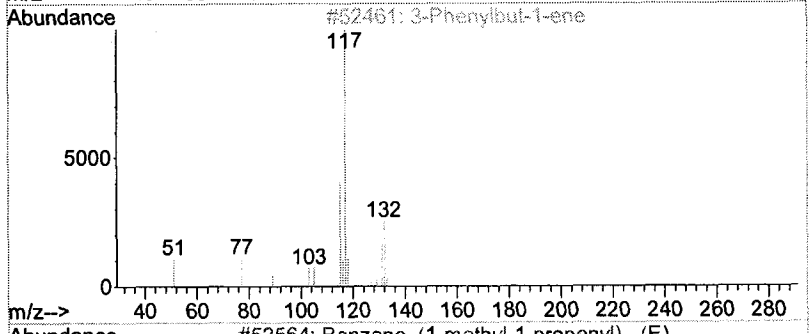
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87

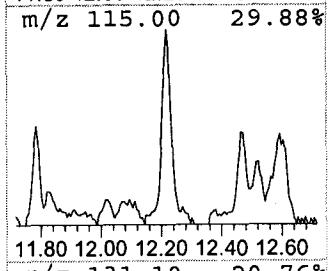


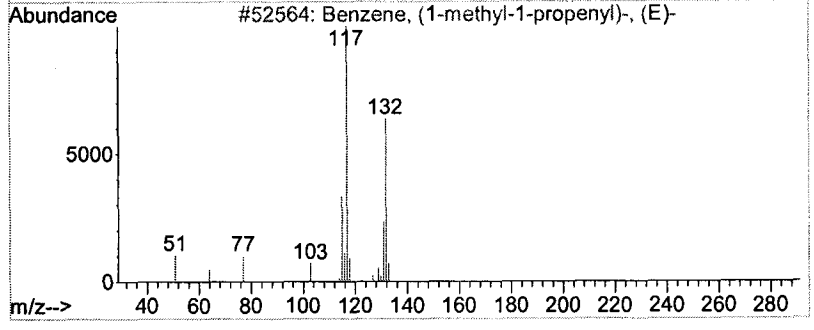


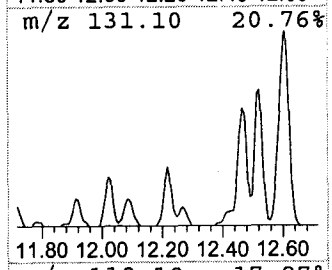


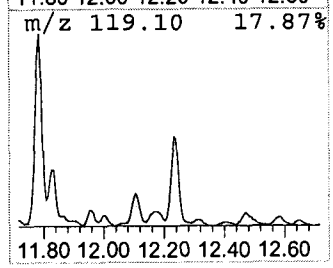












Data File : H:\GCMS_VOA\F\120810\F9003.D
Acq On : 8 Dec 2010 13:44
Sample : RTL0572-01
Misc :
MS Integration Params: Lscint.p

Vial: 9
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

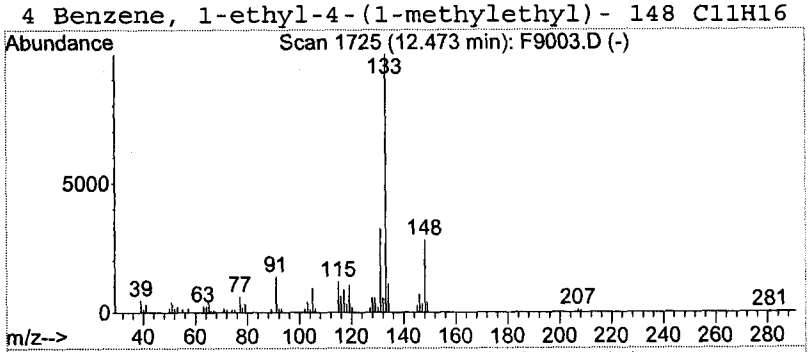
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

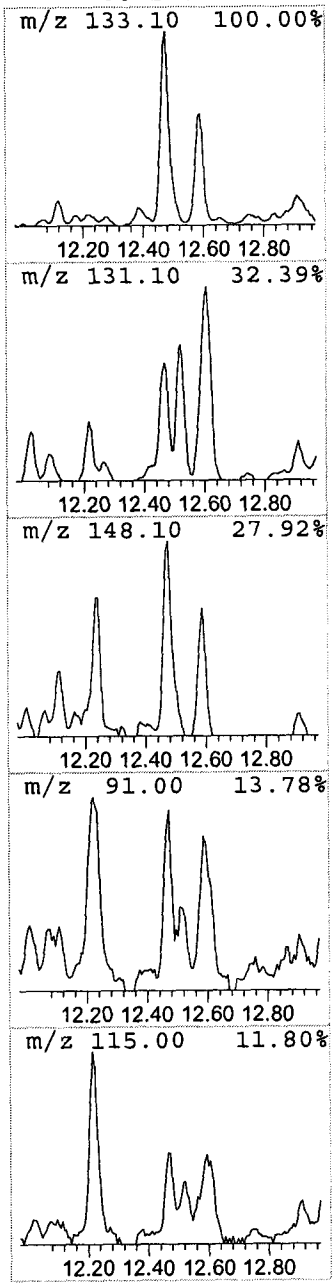
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Peak Number 4 Benzene, ethyl-1,2,4-trimet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
12.47	6.34 ug/L	317787	CI30 1,4-Dichlor	2504330	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, ethyl-1,2,4-trimethyl-	148	C11H16	054120-62-6	76
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	68
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	62





Data File : H:\GCMS_VOA\F\120810\F9003.D
Acq On : 8 Dec 2010 13:44
Sample : RTL0572-01
Misc :
MS Integration Params: Lscint.p

Vial: 9
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

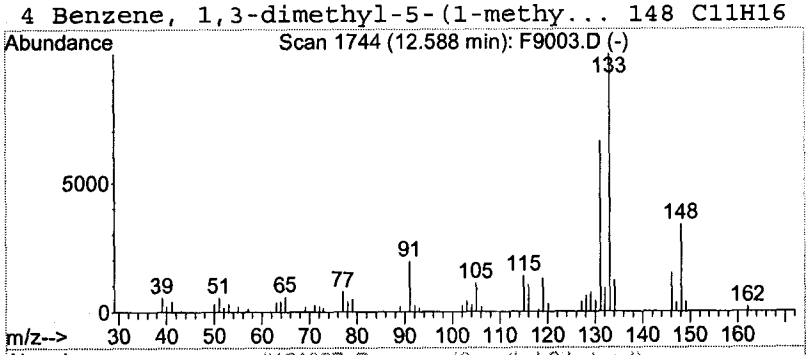
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

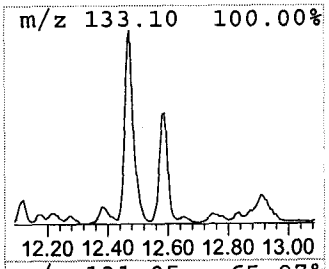
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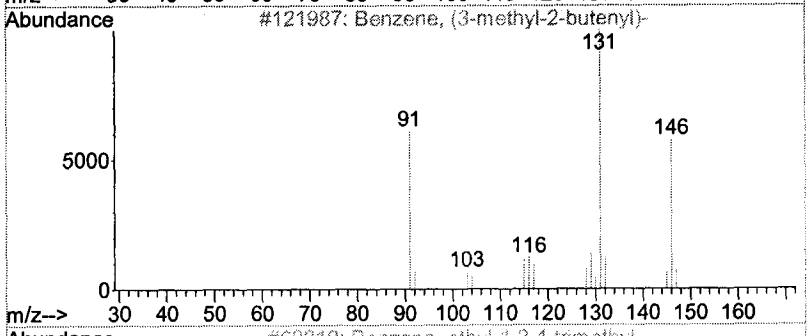
Peak Number 5 Benzene, (3-methyl-2-butenyl)- Concentration Rank 3

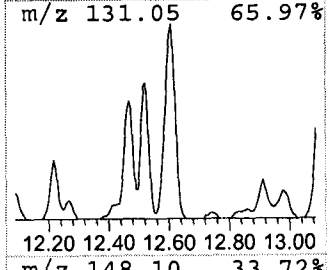
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
12.59	7.28 ug/L	364483	CI30 1,4-Dichlor	2504330	10.88

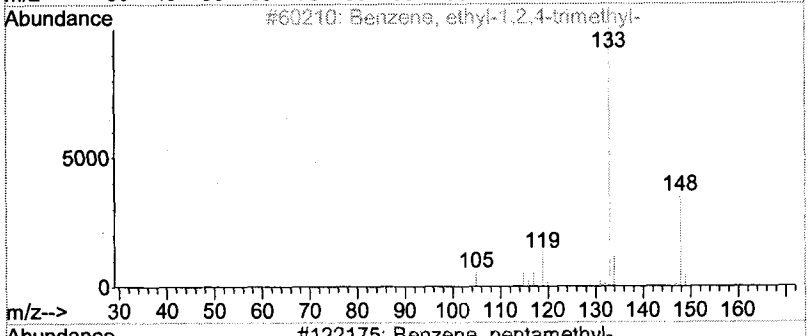
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
2	Benzene, ethyl-1,2,4-trimethyl-	148	C11H16	054120-62-6	58
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	52
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	52

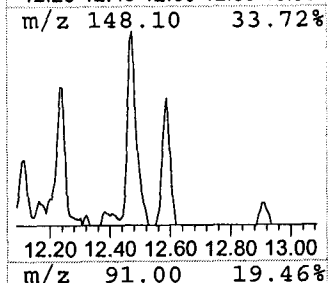


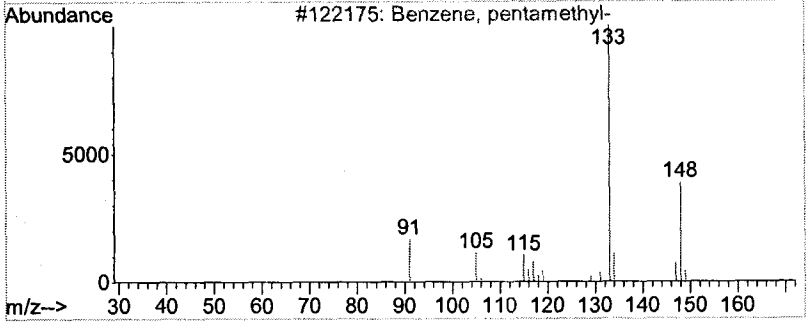


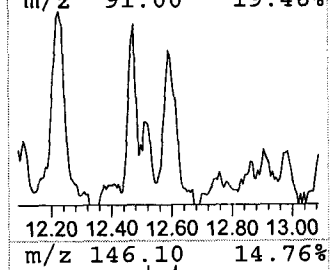


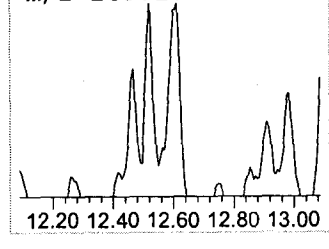












Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 13:44
Data File: H:\GCMS_VOA\F\120810\F9003.D
Name: RTL0572-01
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane	4.14	7.3	ug/L	220275	1	5.80	1513700	50.0
Benzene, 1,2,3,4-...	11.79	7.7	ug/L	387392	3	10.88	2504330	50.0
Indan, 1-methyl-	12.22	9.5	ug/L	475492	3	10.88	2504330	50.0
Benzene, ethyl-1,...	12.47	6.3	ug/L	317787	3	10.88	2504330	50.0
Benzene, (3-methy...	12.59	7.3	ug/L	364483	3	10.88	2504330	50.0

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-2-6-8

Laboratory: TestAmerica Buffalo | SDG: RTL0572

Client: PARS Environmental, Inc. | Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid | Laboratory ID: RTL0572-02 | File ID: F9026.D

Sampled: 12/06/10 09:40 | Prepared: 12/08/10 22:49 | Analyzed: 12/09/10 00:02

Solids: 80.41 | Preparation: 5030B MS | Initial/Final: 5.16 g / 5 mL

Batch: 10L0699 | Sequence: T005595 | Calibration: R10L016 | Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	6.0	U
79-00-5	1,1,2-Trichloroethane	1	6.0	U
75-34-3	1,1-Dichloroethane	1	6.0	U
75-35-4	1,1-Dichloroethene	1	6.0	U
120-82-1	1,2,4-Trichlorobenzene	1	6.0	U
95-63-6	1,2,4-Trimethylbenzene	1	130	
96-12-8	1,2-Dibromo-3-chloropropane	1	6.0	U
106-93-4	1,2-Dibromoethane (EDB)	1	6.0	U
95-50-1	1,2-Dichlorobenzene	1	6.0	U
107-06-2	1,2-Dichloroethane	1	6.0	U
78-87-5	1,2-Dichloropropane	1	6.0	U
108-67-8	1,3,5-Trimethylbenzene	1	29	
541-73-1	1,3-Dichlorobenzene	1	6.0	U
106-46-7	1,4-Dichlorobenzene	1	6.0	U
78-93-3	2-Butanone (MEK)	1	30	U
591-78-6	2-Hexanone	1	30	U
99-87-6	4-Isopropyltoluene	1	7.5	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	30	U
67-64-1	Acetone	1	30	U
71-43-2	Benzene	1	6.0	U
75-27-4	Bromodichloromethane	1	6.0	U
75-25-2	Bromoform	1	6.0	U
74-83-9	Bromomethane	1	6.0	U
75-15-0	Carbon disulfide	1	6.0	U
56-23-5	Carbon Tetrachloride	1	6.0	U
108-90-7	Chlorobenzene	1	6.0	U
124-48-1	Chlorodibromomethane	1	6.0	U
75-00-3	Chloroethane	1	6.0	U
67-66-3	Chloroform	1	6.0	U
74-87-3	Chloromethane	1	6.0	U
156-59-2	cis-1,2-Dichloroethene	1	6.0	U
10061-01-5	cis-1,3-Dichloropropene	1	6.0	U
110-82-7	Cyclohexane	1	6.0	U
75-71-8	Dichlorodifluoromethane	1	6.0	U
100-41-4	Ethylbenzene	1	31	
98-82-8	Isopropylbenzene	1	10	
79-20-9	Methyl Acetate	1	6.0	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-2-6-8

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-02	File ID:	F9026.D
Sampled:	12/06/10 09:40	Prepared:	12/08/10 22:49	Analyzed:	12/09/10 00:02
Solids:	80.41	Preparation:	5030B MS	Initial/Final:	5.16 g / 5 mL
Batch:	10L0699	Sequence:	T005595	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	6.0	U
108-87-2	Methylcyclohexane	1	66	
75-09-2	Methylene Chloride	1	12	
91-20-3	Naphthalene	1	24	
104-51-8	n-Butylbenzene	1	13	
103-65-1	n-Propylbenzene	1	42	
135-98-8	sec-Butylbenzene	1	5.3	J
100-42-5	Styrene	1	6.0	U
98-06-6	tert-Butylbenzene	1	6.0	U
127-18-4	Tetrachloroethene	1	6.0	U
108-88-3	Toluene	1	6.0	U
156-60-5	trans-1,2-Dichloroethene	1	6.0	U
10061-02-6	trans-1,3-Dichloropropene	1	6.0	U
79-01-6	Trichloroethene	1	6.0	U
75-69-4	Trichlorofluoromethane	1	6.0	U
75-01-4	Vinyl chloride	1	6.0	U
1330-20-7	Xylenes, total	1	23	

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
000096-37-7	Cyclopentane, methyl-	4.686	110	
142-82-5	Heptane	5.605	200	
000589-81-1	Heptane, 3-methyl-	6.779	150	
110-54-3	Hexane	4.145	160	
000591-76-4	Hexane, 2-methyl-	5.106	240	
000565-75-3	Pentane, 2,3,4-trimethyl-	6.499	120	
000107-83-5	Pentane, 2-methyl-	3.755	390	
000096-14-0	Pentane, 3-methyl-	3.956	200	
none	Unknown01	5.258	280	
none	Unknown02	6.633	290	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	55.3	111	64 - 126	
4-Bromofluorobenzene	50.0	45.2	90	72 - 126	
Toluene-d8	50.0	45.5	91	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	448030	10.88	457489	10.88	
1,4-Difluorobenzene	772598	5.8	777455	5.8	
Chlorobenzene-d5	436998	8.59	388632	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9026.D Vial: 1
Acq On : 9 Dec 2010 00:02 Operator: CDC
Sample : RTL0572-02 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 09 10:30:08 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Dec 09 10:29:33 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F9022.D (8 Dec 2010 21:52)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	772598	50.00	ug/L	0.00 99.38%
42) CI20	Chlorobenzene-D5	8.59	82	436998	50.00	ug/L	0.00 112.45%
62) CI30	1,4-Dichlorobenzene-	10.88	152	448030	50.00	ug/L	0.00 97.93%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	275197	55.28	ug/L	0.00
Spiked Amount	50.000	Range 64 - 126		Recovery = 110.56%			
43) CS05	Toluene-D8	7.13	98	1131623	45.53	ug/L	0.00
Spiked Amount	50.000	Range 71 - 125		Recovery = 91.06%			
61) CS10	p-Bromofluorobenzene	9.80	174	356844	45.20	ug/L	0.00
Spiked Amount	50.000	Range 72 - 126		Recovery = 90.40%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	3.82	84	44753	9.97	ug/L	83
11) C040	Carbon disulfide	3.64	76	3516	N.D.		
12) C036	Acrolein	3.41	56	34401	79.81	ug/L	66
13) C038	Acrylonitrile	3.96	53	52685	33.96	ug/L #	42
14) C035	Acetone	3.41	43	110394	86.59	ug/L	52
15) C300	Acetonitrile	3.76	41	1358577	2437.60	ug/L	100
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	3.76	43	3539781	396.91	ug/L #	52
18) C962	T-butyl Methyl Ether	3.98	73	2711	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	4.32	63	292	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	5.11	42	730557	478.31	ug/L #	42
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	5.03	83	4021	N.D.		
27) C256	Cyclohexane	5.26	56	747525	91.86	ug/L #	26
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	5.53	78	18187	N.D.		
33) C065	1,2-Dichloroethane	5.54	62	1646	N.D.		
34) C110	2-Butanone	0.00	43	0	N.D.		

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9026.D
Acq On : 9 Dec 2010 00:02
Sample : RTL0572-02
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 09 10:30:08 2010

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Dec 09 10:29:33 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	6.02	95	9757	1.89 ug/L #	2
36)	C161	2-Chloroethylvinyl E	6.78	63	2708	N.D.	
37)	C012	Methylcyclohexane	6.19	83	459285	54.89 ug/L	76
38)	C140	1,2-Dichloropropane	6.32	63	2212	N.D.	
39)	C278	Dibromomethane	6.50	93	3230	1.16 ug/L #	1
40)	C130	Bromodichloromethane	6.51	83	68676	11.39 ug/L #	28
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	9661	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	7.41	69	35305	4.71 ug/L #	31
47)	C160	1,1,2-Trichloroethan	7.53	83	45550	10.57 ug/L #	1
48)	C210	4-Methyl-2-pentanone	7.17	43	517324	88.03 ug/L #	49
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	8.17	129	2234	N.D.	
52)	C163	1,2-Dibromoethane	8.09	107	1871	N.D.	
53)	C215	2-Hexanone	7.75	43	133218	31.37 ug/L #	1
54)	C235	Chlorobenzene	8.63	112	3605	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.68	91	794570	25.32 ug/L	91
57)	C246	m,p-Xylene	8.80	106	194348	14.72 ug/L	94
58)	C247	o-Xylene	9.23	106	51500	4.05 ug/L #	77
59)	C245	Styrene	9.23	104	2788	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	9.58	105	248628	8.54 ug/L	92
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	9.97	83	3153	N.D.	
66)	C282	1,2,3-Trichloropropa	10.04	110	5914	2.94 ug/L	100
67)	C283	t-1,4-Dichloro-2-But	9.99	53	8663	5.06 ug/L #	1
68)	C302	n-Propylbenzene	9.99	91	1251126	35.00 ug/L	96
69)	C303	O 2-Chlorotoluene	10.16	126	1889	N.D.	
70)	C289	P 4-Chlorotoluene	10.24	126	3965	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.15	105	625748	24.12 ug/L	86
72)	C306	tert-Butylbenzene	10.64	134	68800	11.08 ug/L #	1
73)	C307	1,2,4-Trimethylbenze	10.51	105	2871580	108.67 ug/L	99
74)	C308	sec-Butylbenzene	10.66	105	142878	4.36 ug/L	99
75)	C260	1,3-Dichlorobenzene	10.82	146	130	N.D.	
76)	C309	p-Cymene (4-Isopropy	10.73	119	178402	6.23 ug/L	93
77)	C267	1,4-Dichlorobenzene	10.90	146	737	N.D.	
78)	C249	1,2-Dichlorobenzene	11.24	146	1456	N.D.	
79)	C310	n-Butylbenzene	11.12	91	676927	28.65 ug/L # 11.06	1
80)	C286	1,2-Dibromo-3-Chloro	11.83	75	15926	16.06 ug/L #	1
81)	C313	1,2,4-Trichlorobenze	12.58	180	931	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.82	128	429473	19.65 ug/L	94
84)	C934	1,2,3-Trichlorobenze	13.04	180	911	N.D.	

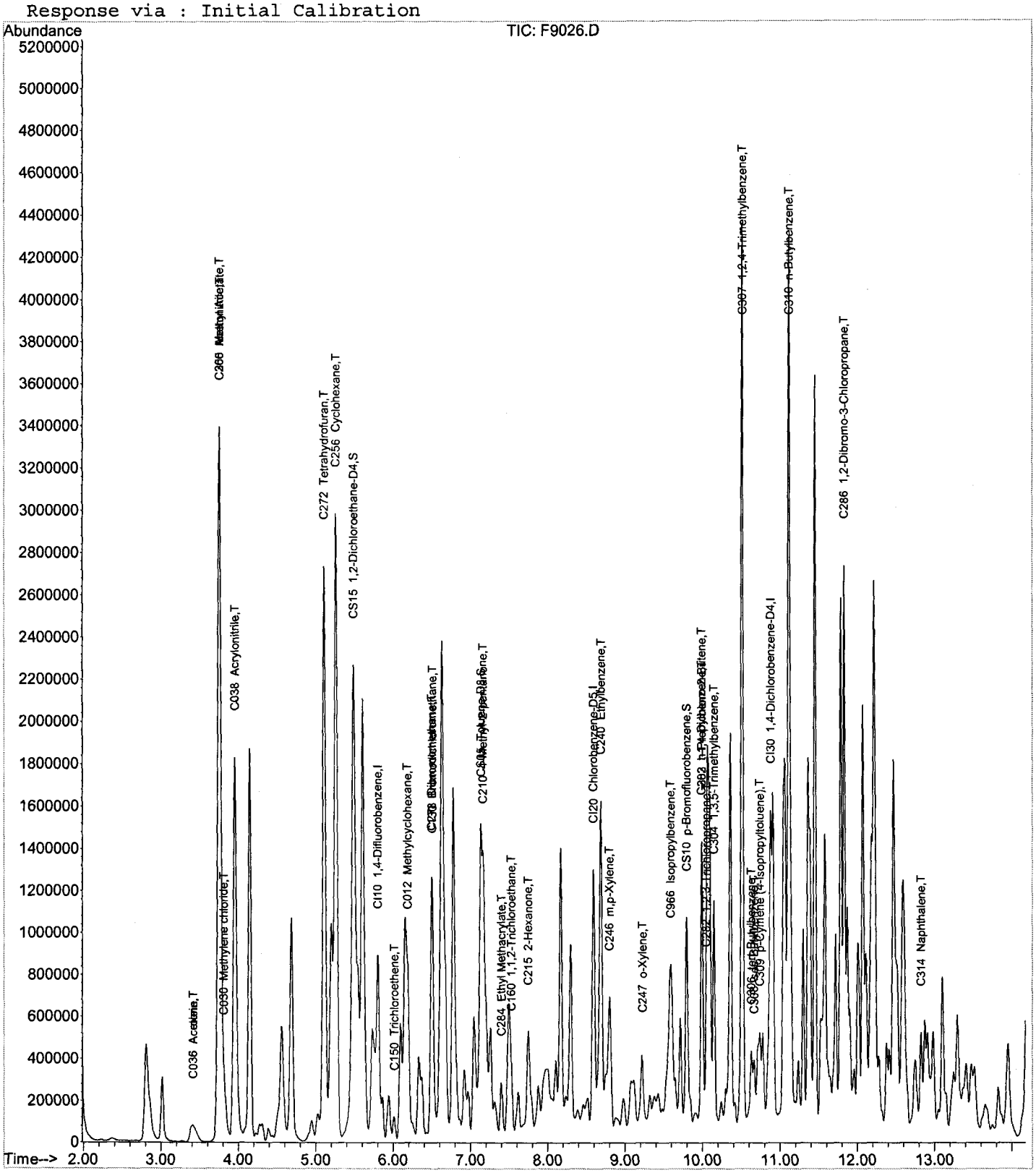
(#) = qualifier out of range (m) = manual integration

12/14/2010

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9026.D Vial: 1
Acq On : 9 Dec 2010 00:02 Operator: CDC
Sample : RTL0572-02 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 9 10:30 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Dec 09 10:29:33 2010
Response via : Initial Calibration

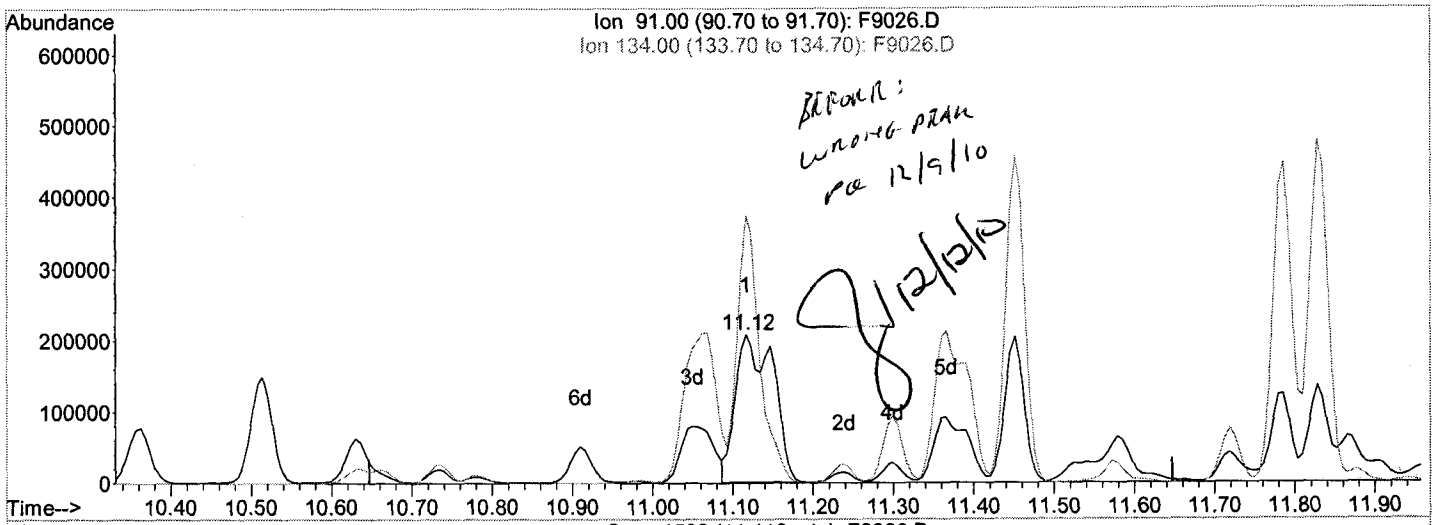


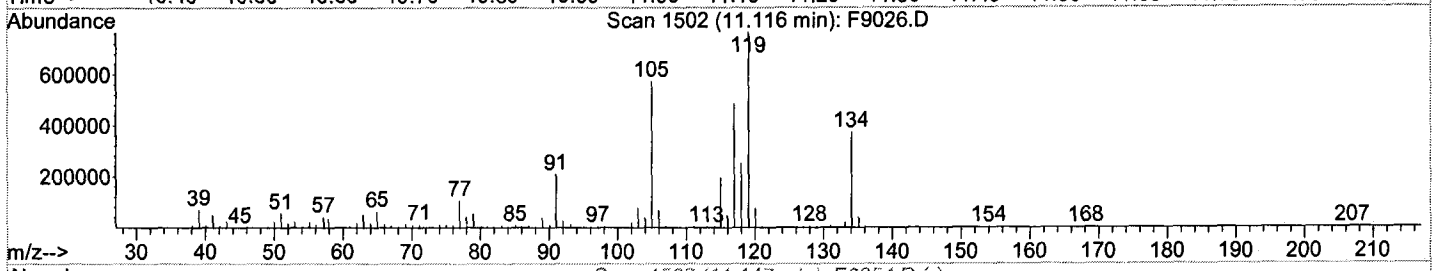
Quantitation Report (Qedit)

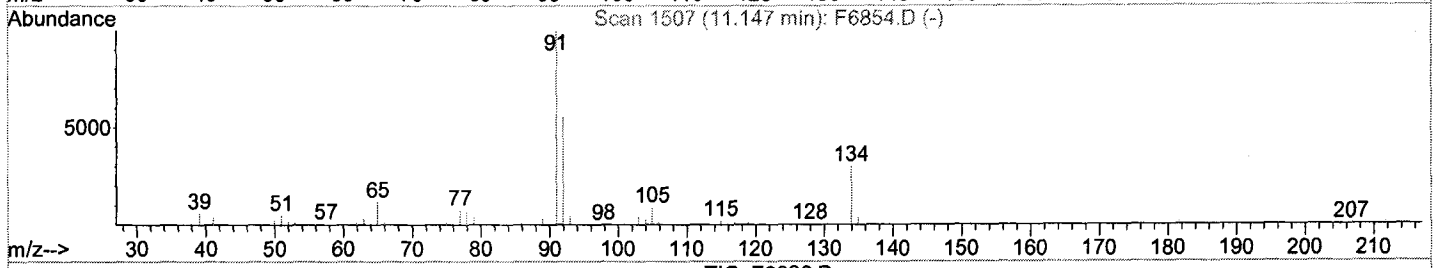
Data File : H:\GCMS_VOA\F\120810\F9026.D
Acq On : 9 Dec 2010 00:02
Sample : RTL0572-02
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 9 13:27 2010

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Dec 09 10:29:33 2010
Response via : Multiple Level Calibration







TIC: F9026.D

(79) C310 n-Butylbenzene (T)

11.12min 28.65ug/L

response 676927

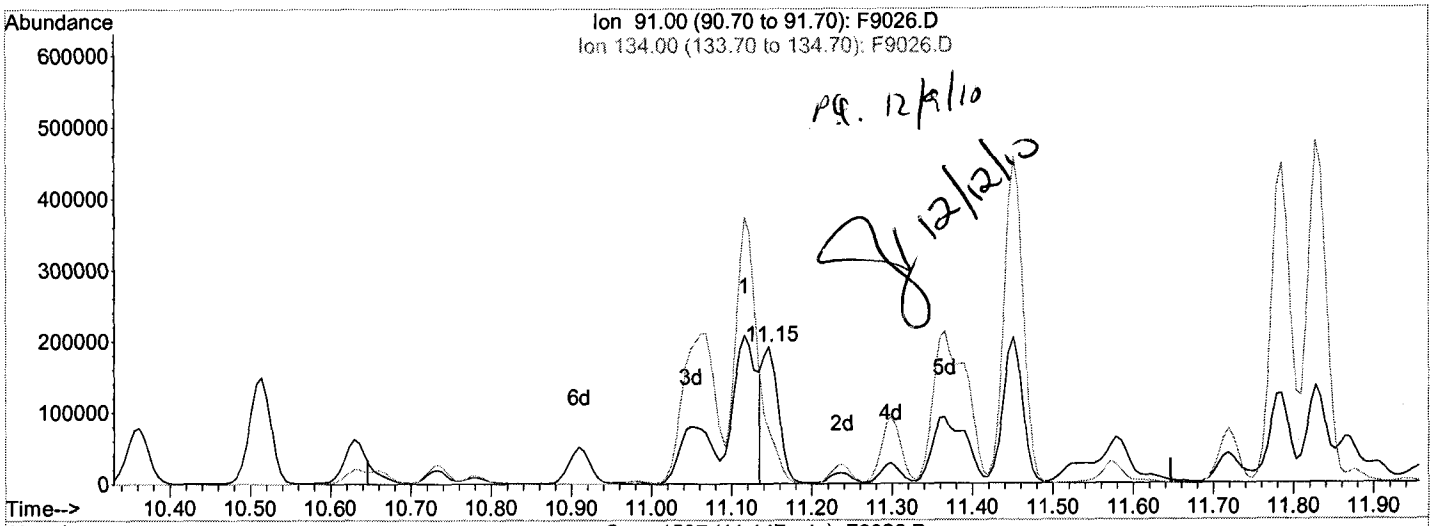
Ion	Exp%	Act%
91.00	100	100
134.00	26.10	179.29#
0.00	0.00	0.00
0.00	0.00	0.00

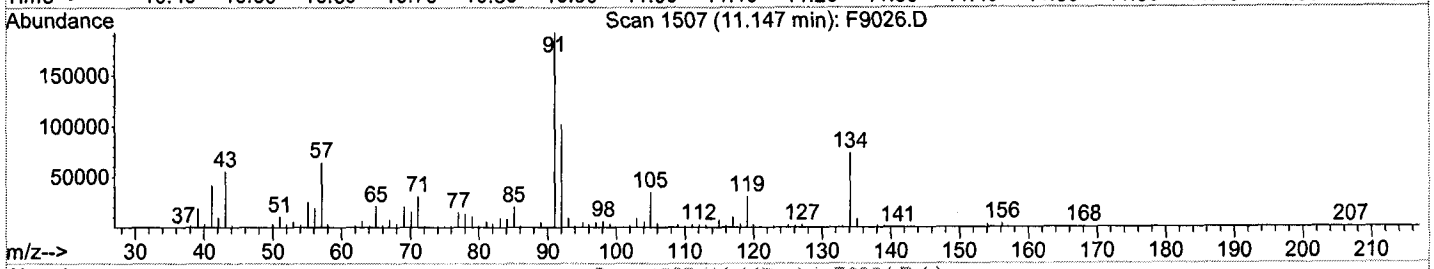
Quantitation Report (Qedit)

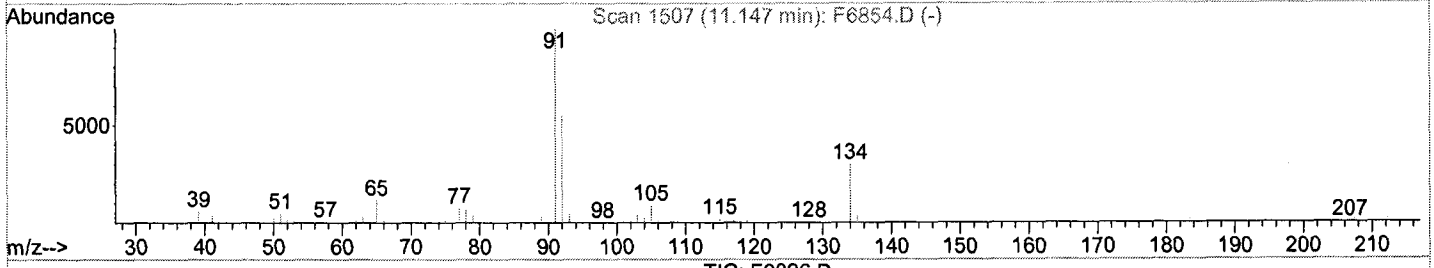
Data File : H:\GCMS_VOA\F\120810\F9026.D
Acq On : 9 Dec 2010 00:02
Sample : RTL0572-02
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 9 13:28 2010

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Dec 09 10:29:33 2010
Response via : Multiple Level Calibration







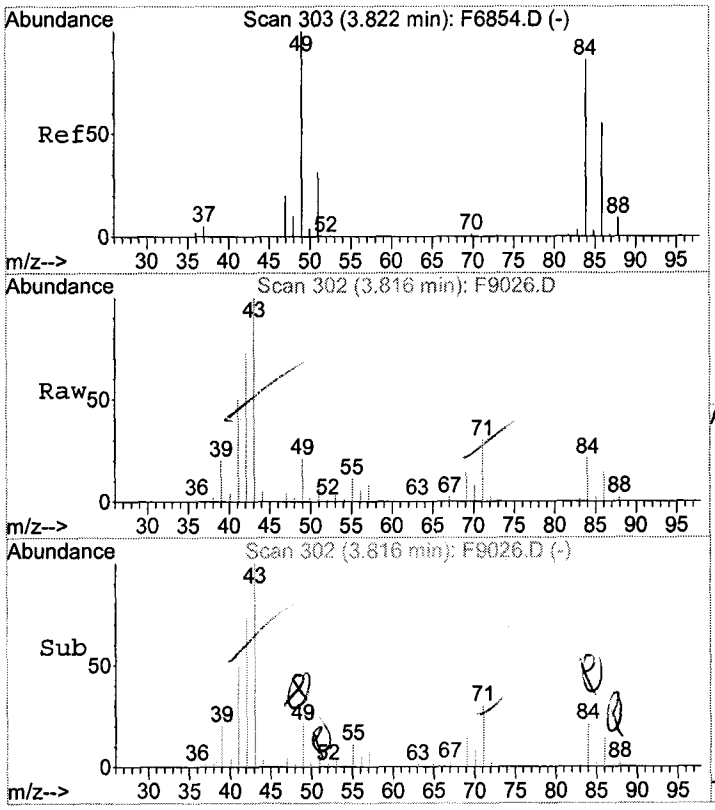
TIC: F9026.D

(79) C310 n-Butylbenzene (T)

11.15min 11.06ug/L m

response 261429

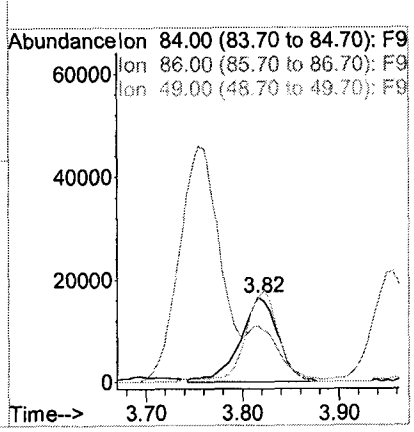
Ion	Exp%	Act%
91.00	100	100
134.00	26.10	38.24
0.00	0.00	0.00
0.00	0.00	0.00

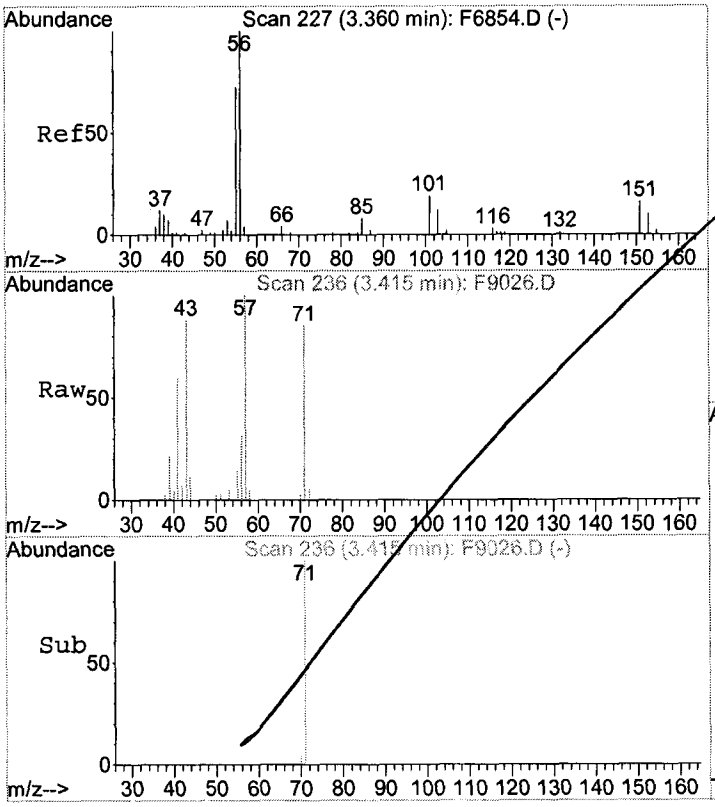


#10
C030 Methylene chloride
Concen: 9.97 ug/L
RT: 3.82 min Scan# 302
Delta R.T. -0.00 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion: 84 Resp: 44753

Ion	Ratio	Lower	Upper
84	100		
86	66.1	40.0	100.0
49	98.5	95.0	155.0

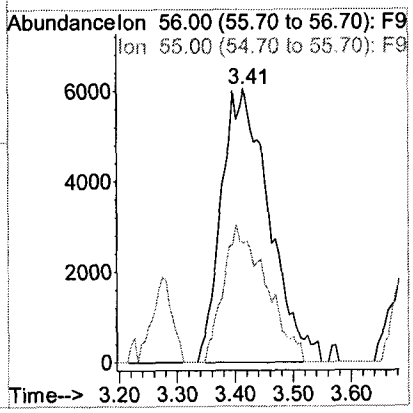


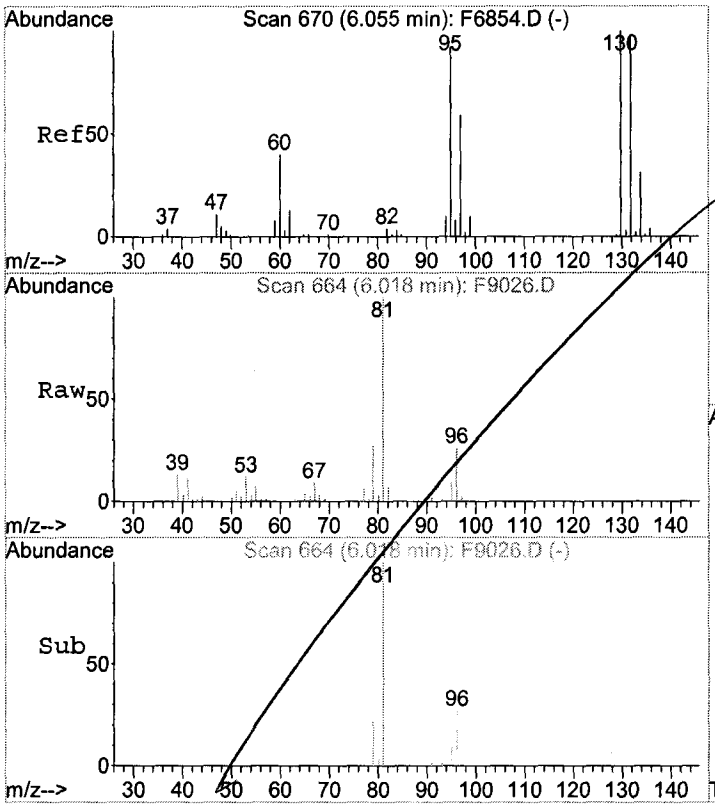


#12
C036 Acrolein
Concen: 79.81 ug/L
RT: 3.41 min Scan# 236
Delta R.T. 0.06 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion: 56 Resp: 34401

Ion	Ratio	Lower	Upper
56	100		
55	44.8	43.0	103.0

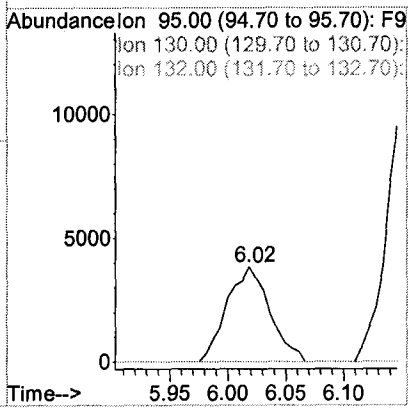


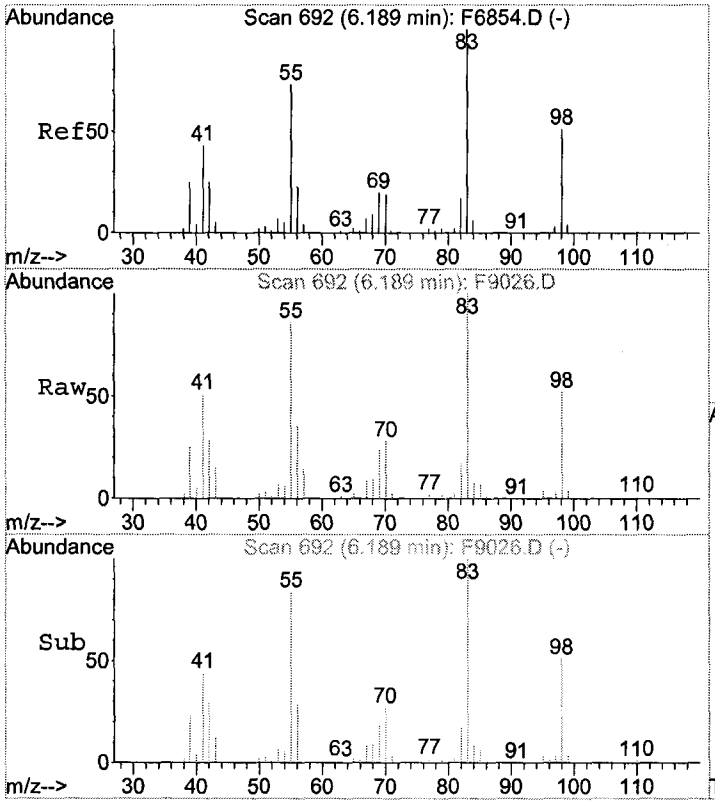


#35
C150 Trichloroethene
Concen: 1.89 ug/L
RT: 6.02 min Scan# 664
Delta R.T. -0.03 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion: 95 Resp: 9757

Ion	Ratio	Lower	Upper
95	100		
130	0.0	64.7	124.7#
132	0.0	67.5	127.5#

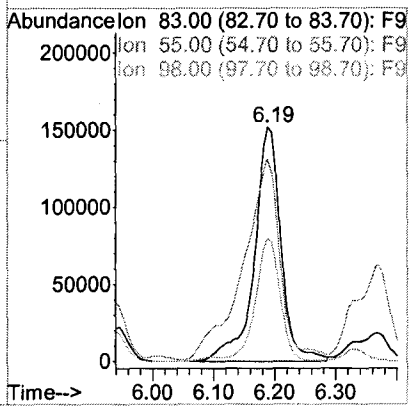


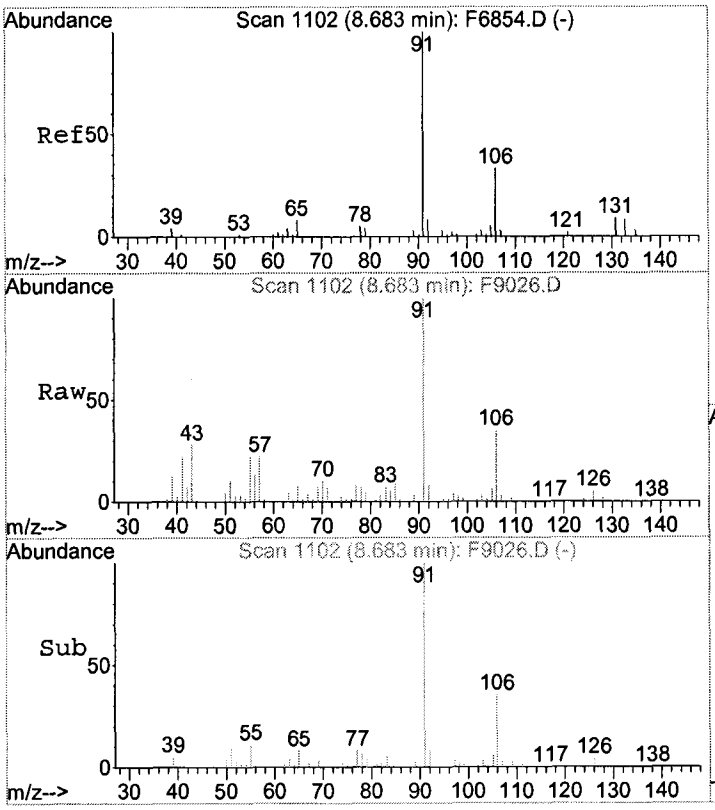


#37
C012 Methylcyclohexane
Concen: 54.89 ug/L
RT: 6.19 min Scan# 692
Delta R.T. -0.00 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion: 83 Resp: 459285

Ion	Ratio	Lower	Upper
83	100		
55	86.4	45.9	85.9#
98	52.4	20.2	60.2

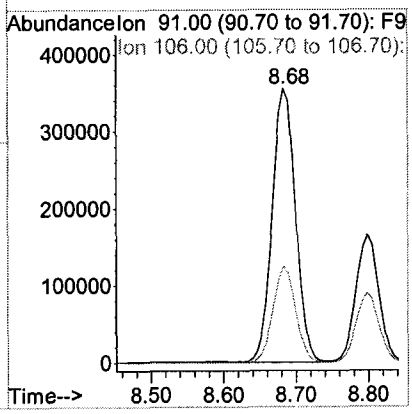


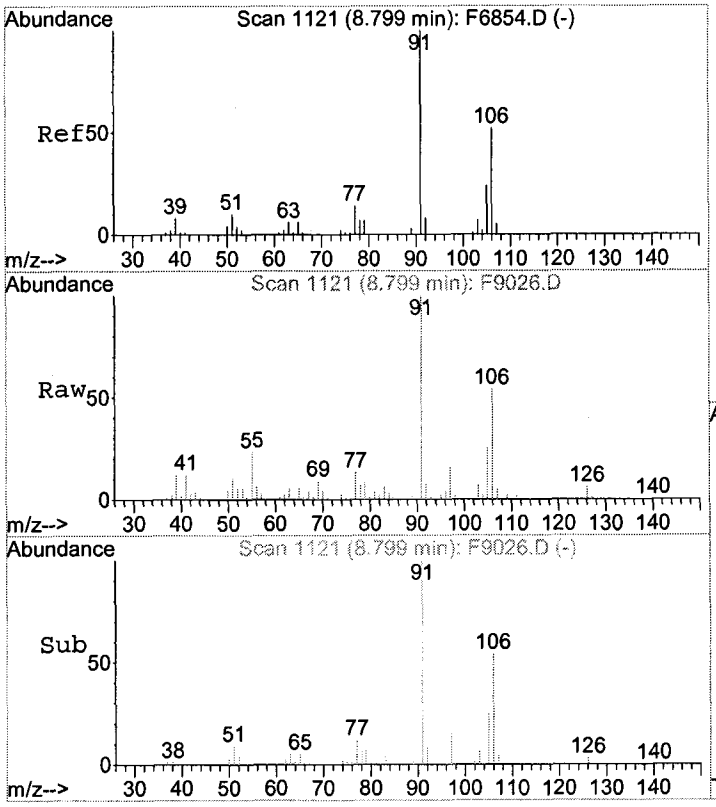


#56
C240 Ethylbenzene
Concen: 25.32 ug/L
RT: 8.68 min Scan# 1102
Delta R.T. -0.00 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion: 91 Resp: 794570

Ion	Ratio	Lower	Upper
91	100		
106	35.1	0.0	60.0

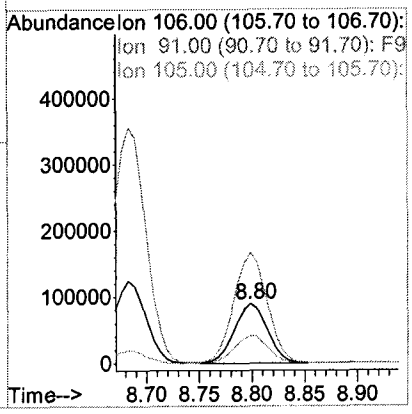


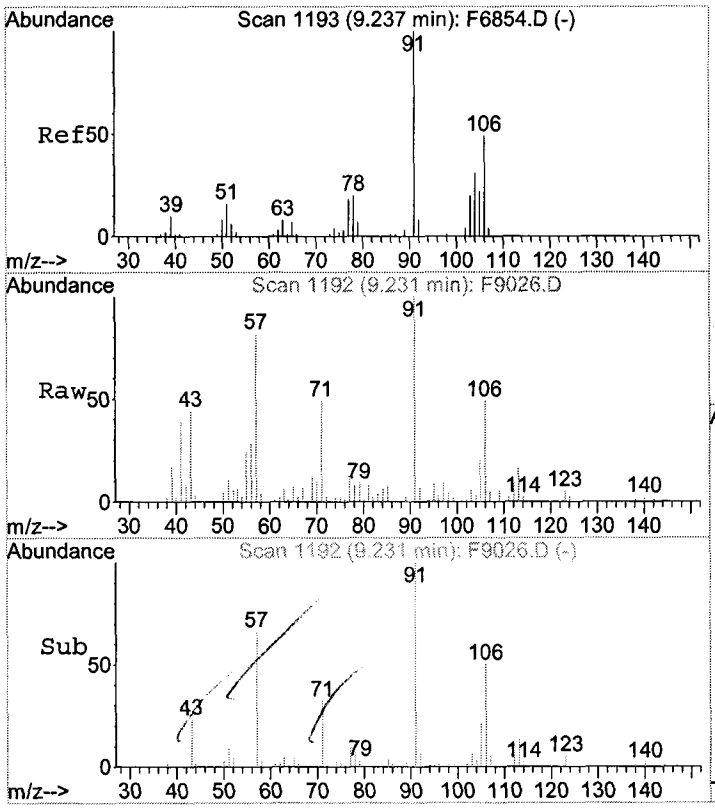


#57
C246 m,p-Xylene
Concen: 14.72 ug/L
RT: 8.80 min Scan# 1121
Delta R.T. -0.00 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion:106 Resp: 194348

Ion	Ratio	Lower	Upper
106	100		
91	184.7	164.6	224.6
105	45.8	12.6	72.6

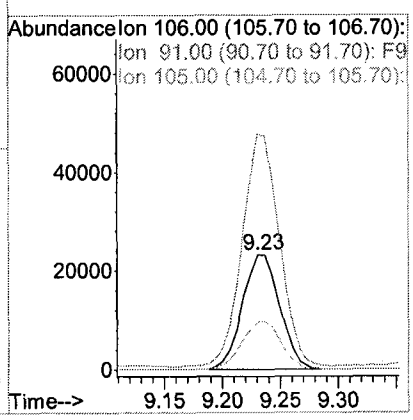


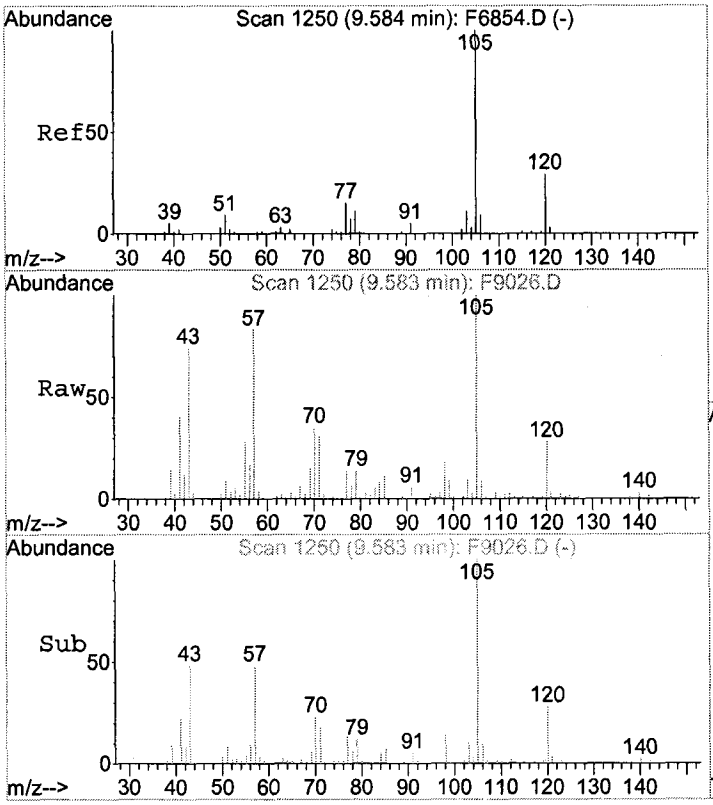


#58
C247 o-Xylene
Concen: 4.05 ug/L
RT: 9.23 min Scan# 1192
Delta R.T. -0.00 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion:106 Resp: 51500

Ion	Ratio	Lower	Upper
106	100		
91	205.6	183.0	243.0
105	41.4	73.4	133.4#

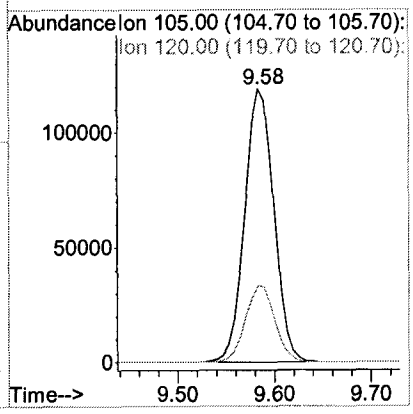


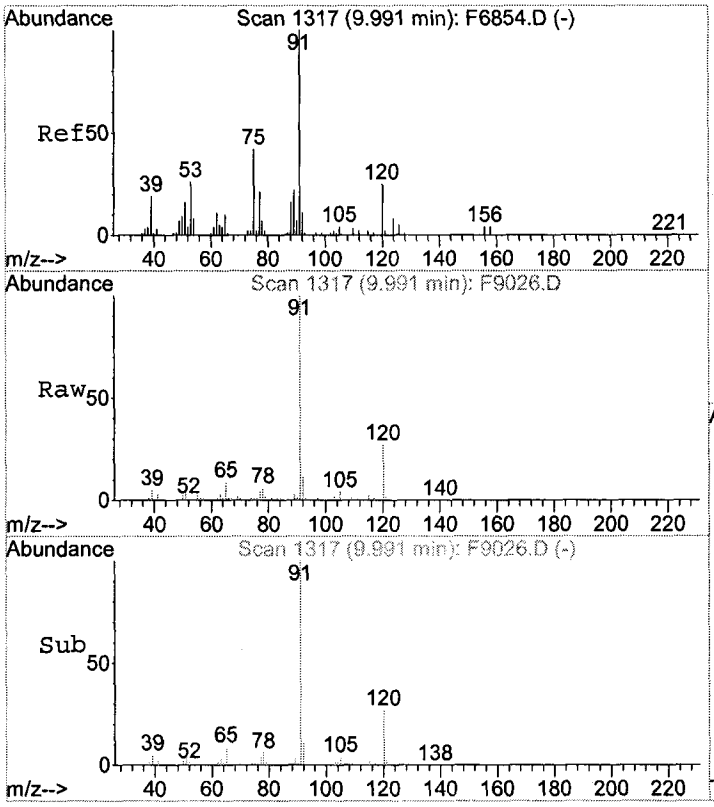


#63
C966 Isopropylbenzene
Concen: 8.54 ug/L
RT: 9.58 min Scan# 1250
Delta R.T. -0.00 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion:105 Resp: 248628

Ion	Ratio	Lower	Upper
105	100		
120	28.2	0.0	54.4

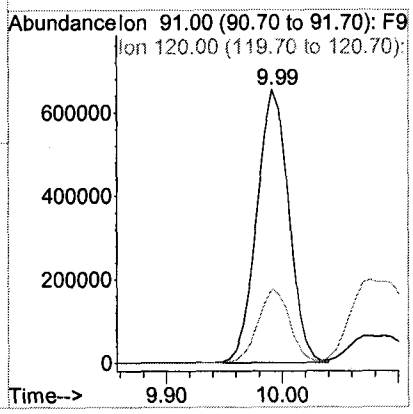


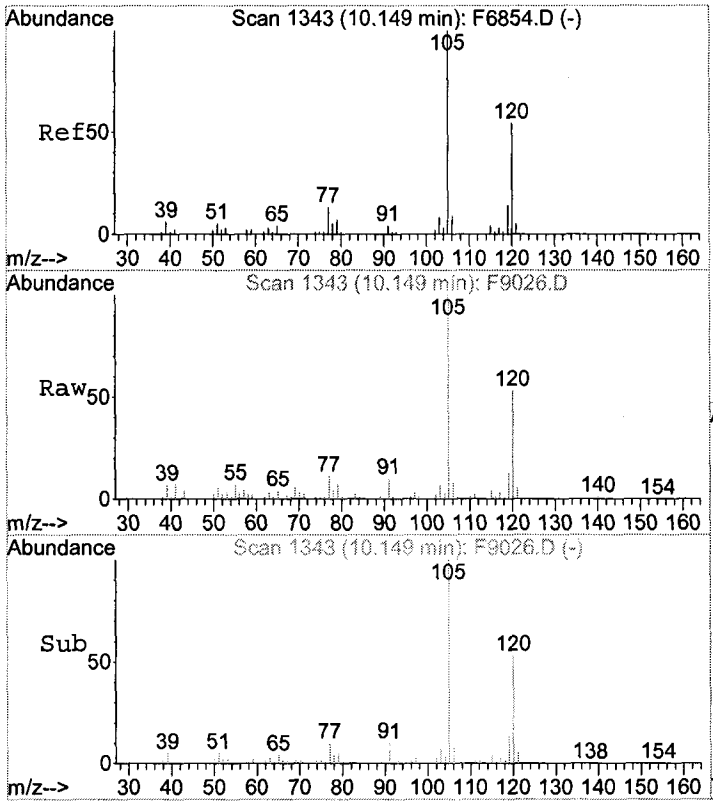


#68
C302 n-Propylbenzene
Concen: 35.00 ug/L
RT: 9.99 min Scan# 1317
Delta R.T. -0.00 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion: 91 Resp: 1251126

Ion	Ratio	Lower	Upper
91	100		
120	27.0	0.0	54.8

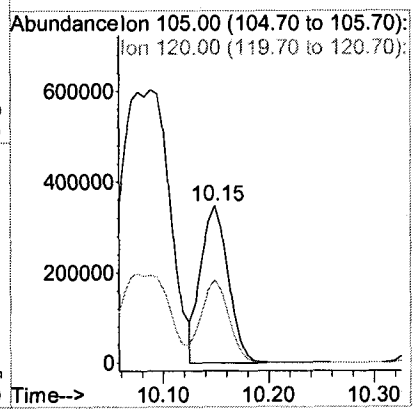


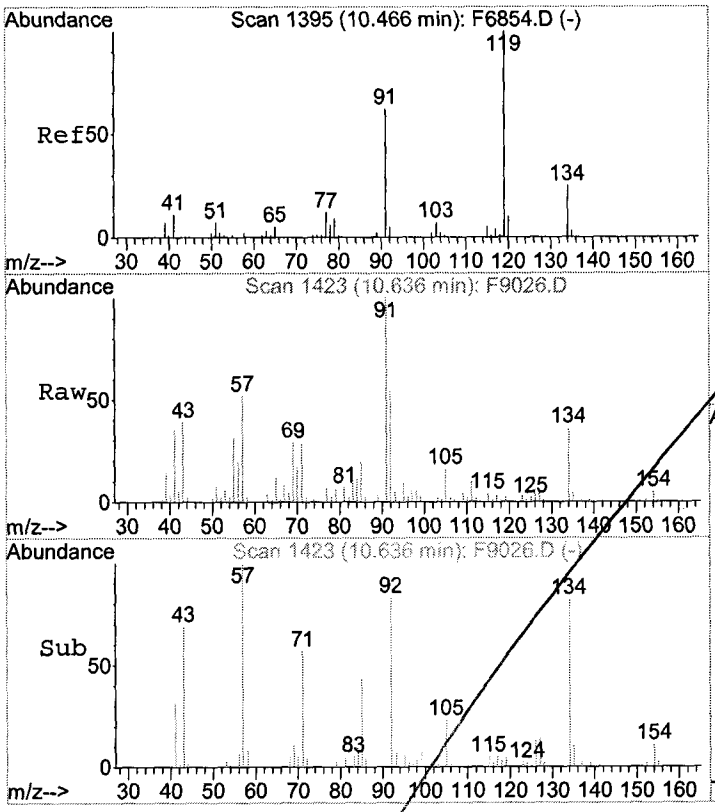


#71
C304 1,3,5-Trimethylbenzene
Concen: 24.12 ug/L
RT: 10.15 min Scan# 1343
Delta R.T. -0.00 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion:105 Resp: 625748

Ion	Ratio	Lower	Upper
105	100		
120	53.1	34.0	94.0

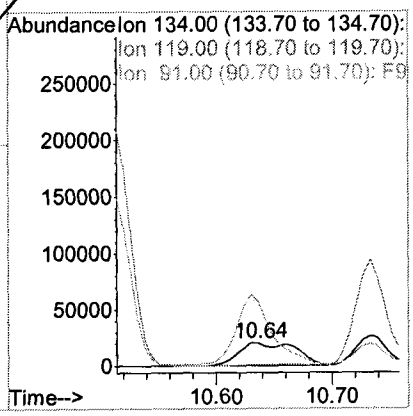


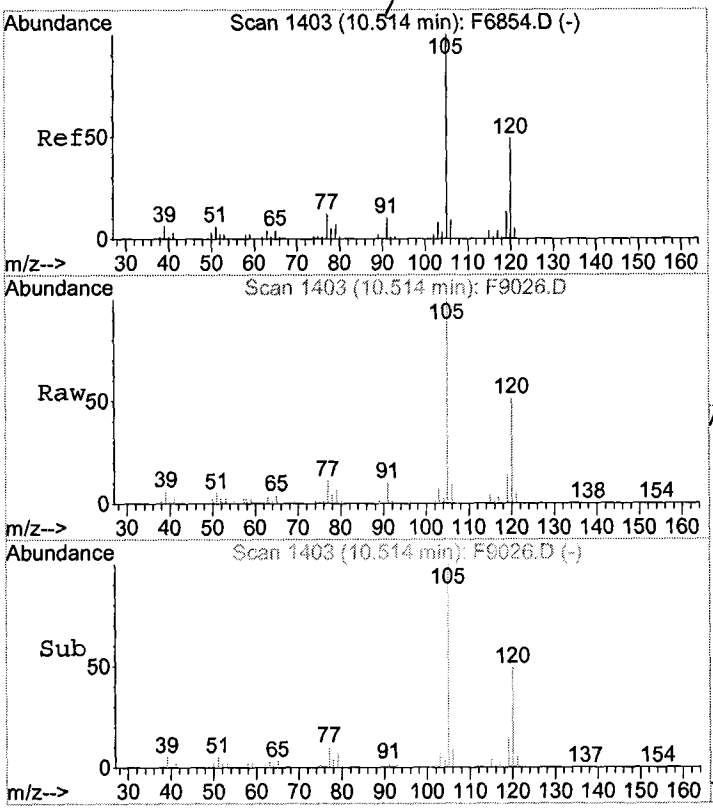


#72
C306 tert-Butylbenzene
Concen: 11.08 ug/L
RT: 10.64 min Scan# 1423
Delta R.T. 0.17 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion:134 Resp: 68800

Ion	Ratio	Lower	Upper
134	100		
119	4.3	335.0	395.0#
91	280.8	220.0	280.0#

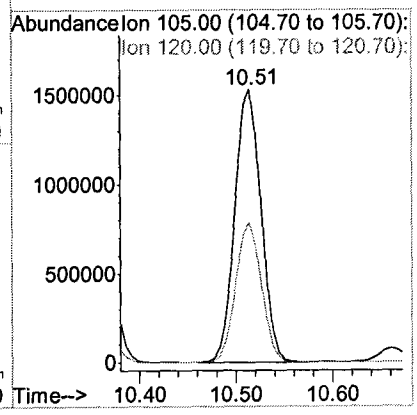


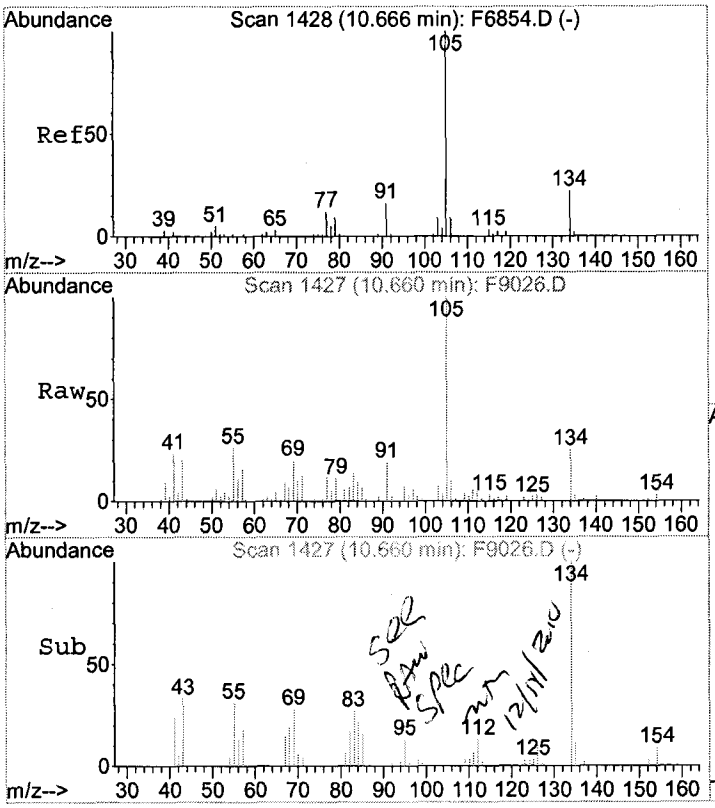


#73
C307 1,2,4-Trimethylbenzene
Concen: 108.67 ug/L
RT: 10.51 min Scan# 1403
Delta R.T. -0.00 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion:105 Resp: 2871580

Ion	Ratio	Lower	Upper
105	100		
120	51.4	22.5	82.5

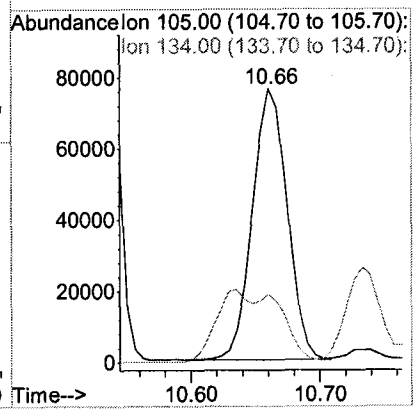


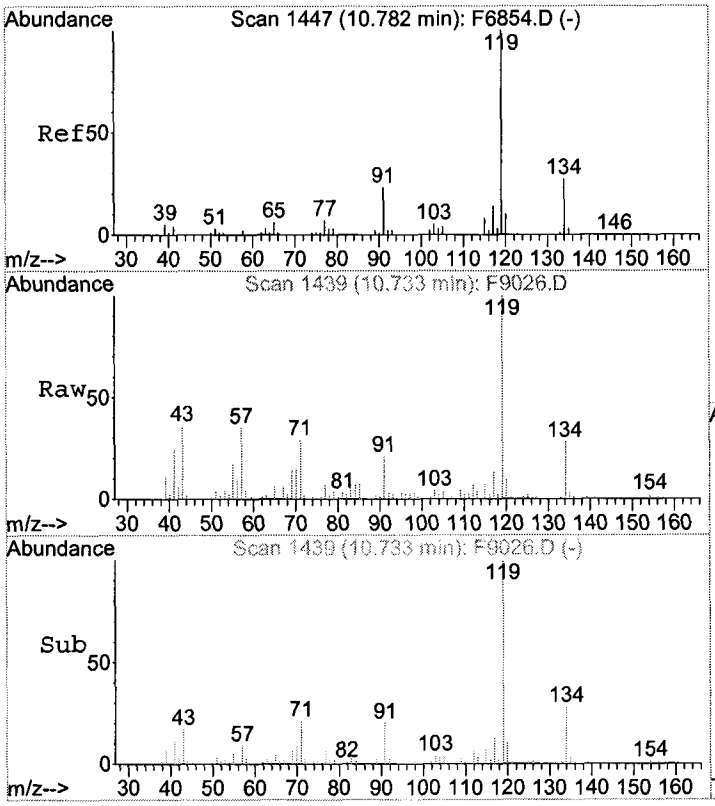


#74
C308 sec-Butylbenzene
Concen: 4.36 ug/L
RT: 10.66 min Scan# 1427
Delta R.T. -0.00 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion:105 Resp: 142878

Ion	Ratio	Lower	Upper
105	100		
134	24.7	0.0	54.0

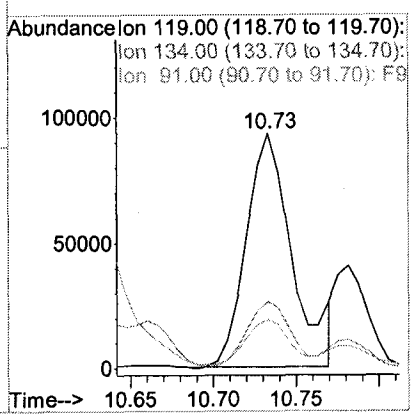


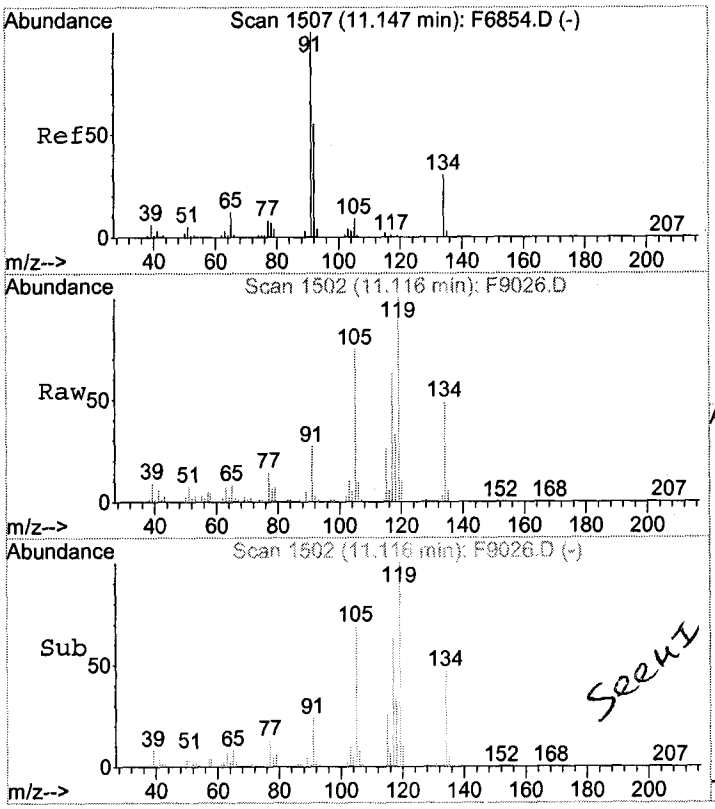


#76
C309 p-Cymene (4-Isopropyltoluene)
Concen: 6.23 ug/L
RT: 10.73 min Scan# 1439
Delta R.T. -0.05 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion:119 Resp: 178402

Ion	Ratio	Lower	Upper
119	100		
134	28.4	0.0	56.2
91	20.7	0.0	56.0

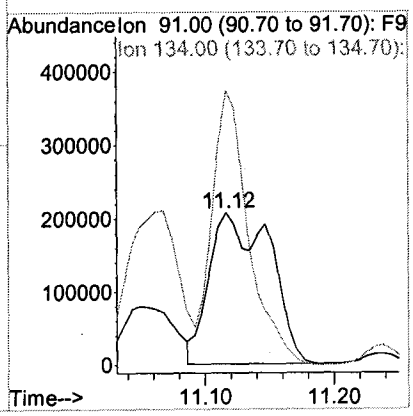


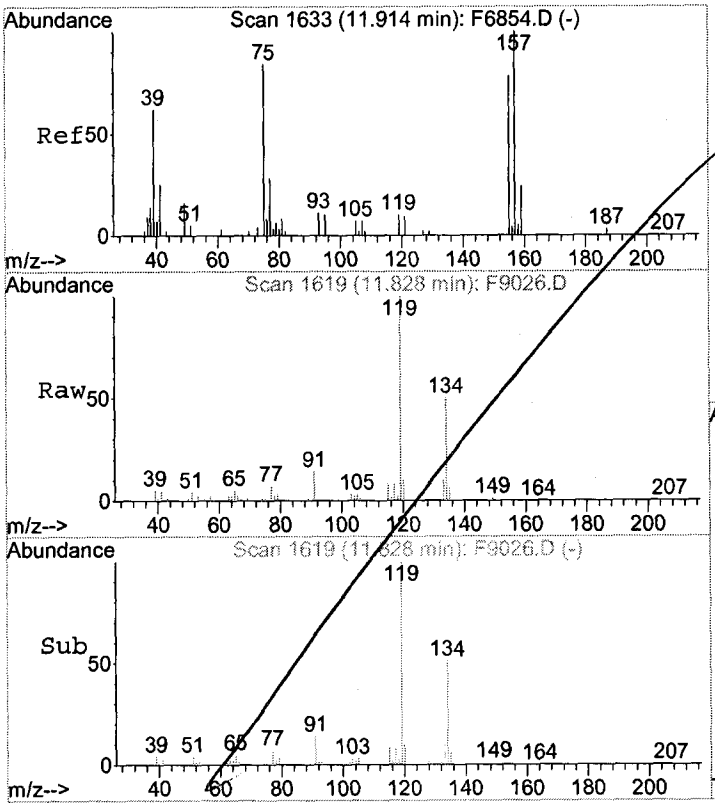


#79
C310 n-Butylbenzene
Concen: 28.65 ug/L
RT: 11.12 min Scan# 1502
Delta R.T. -0.03 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion: 91 Resp: 676927

Ion	Ratio	Lower	Upper
91	100		
134	179.3	0.0	56.1#

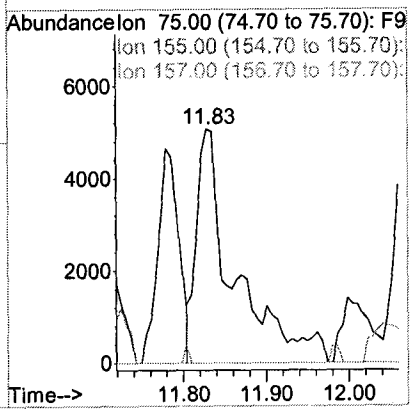


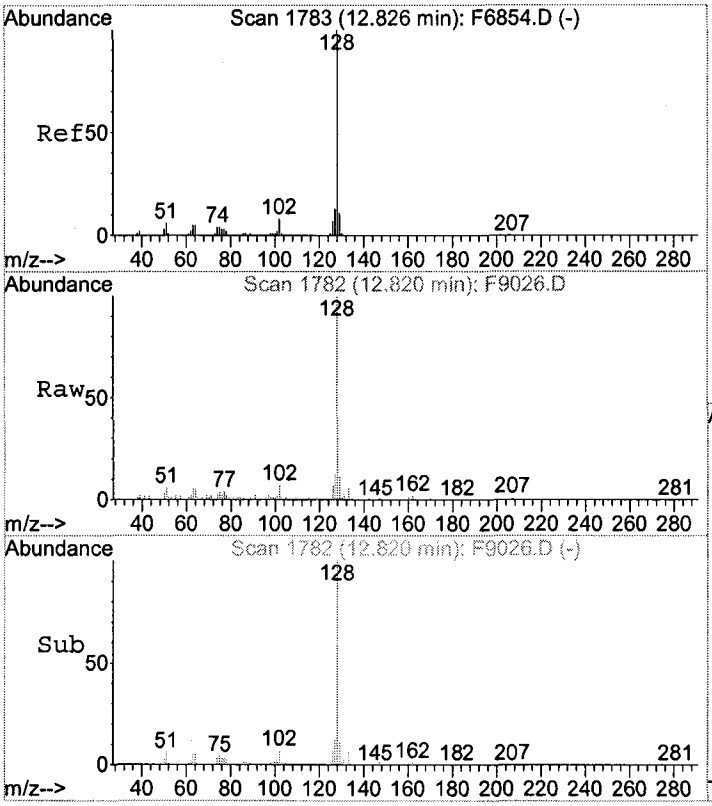


#80
C286 1,2-Dibromo-3-Chloropropane
Concen: 16.06 ug/L
RT: 11.83 min Scan# 1619
Delta R.T. -0.09 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion: 75 Resp: 15926

Ion	Ratio	Lower	Upper
75	100		
155	0.0	62.7	122.7#
157	0.0	87.9	147.9#

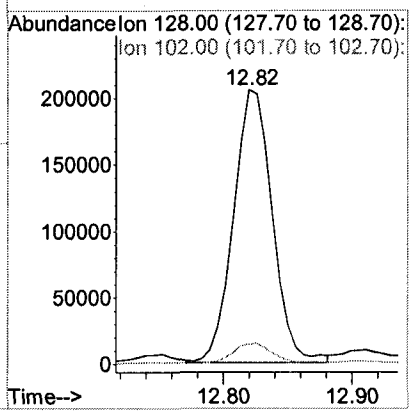




#83
C314 Naphthalene
Concen: 19.65 ug/L
RT: 12.82 min Scan# 1782
Delta R.T. -0.00 min
Lab File: F9026.D
Acq: 9 Dec 2010 00:02

Tgt Ion:128 Resp: 429473

Ion	Ratio	Lower	Upper
128	100		
102	7.1	0.0	39.4



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9026.D
Acq On : 9 Dec 2010 00:02
Sample : RTL0572-02
Misc :
MS Integration Params: Lscint.p

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

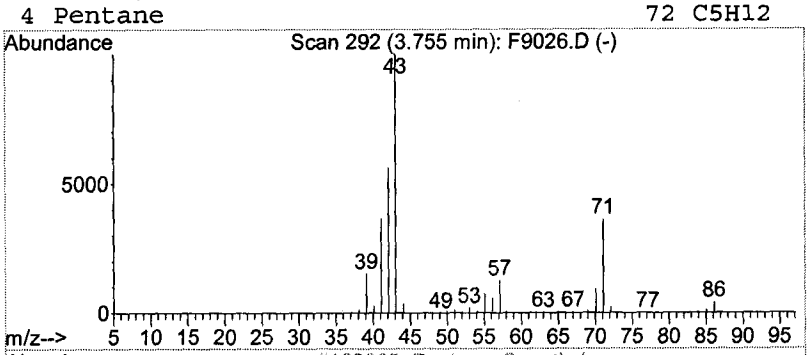
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

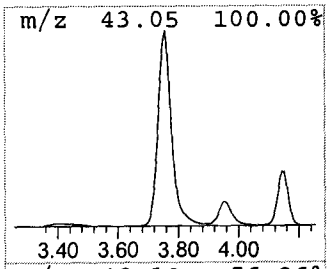
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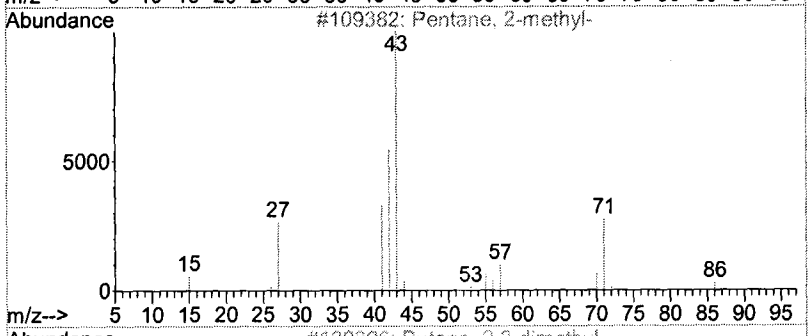
Peak Number 1 Pentane, 2-methyl- Concentration Rank 1

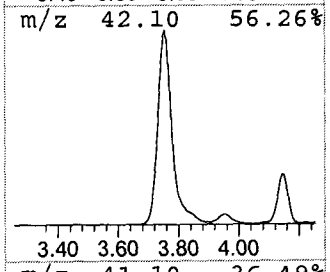
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
3.76	323.56 ug/L	10967700	CI10 1,4-Difluor	1694830	5.80

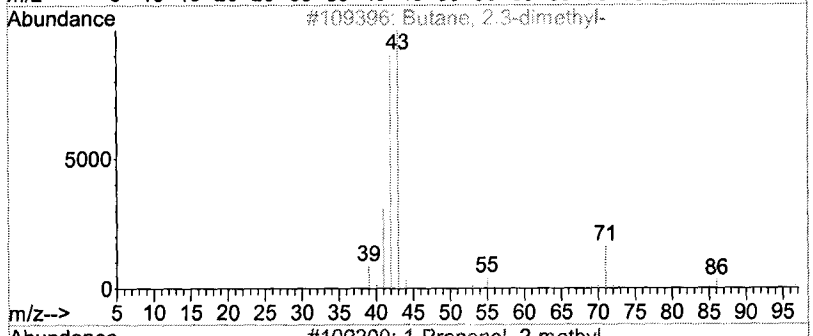
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	53
3	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	38
4	Pentane	72	C5H12	000109-66-0	28

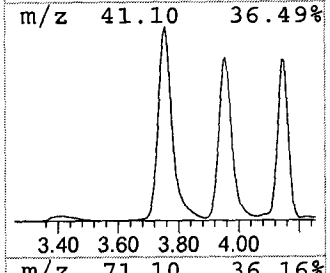


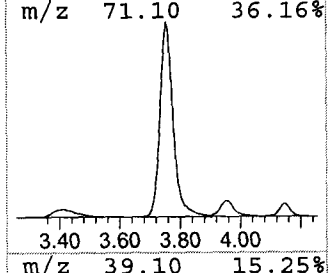


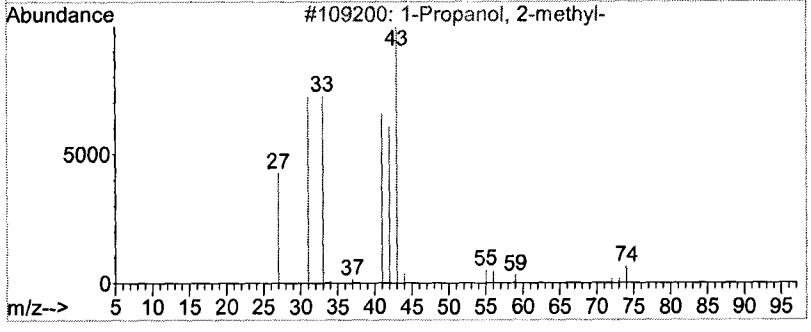


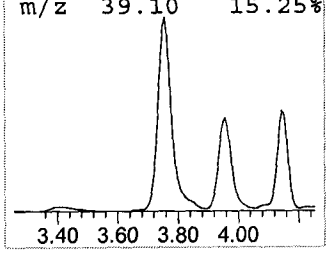












Data File : H:\GCMS_VOA\F\120810\F9026.D
Acq On : 9 Dec 2010 00:02
Sample : RTL0572-02
Misc :
MS Integration Params: Lscint.p

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

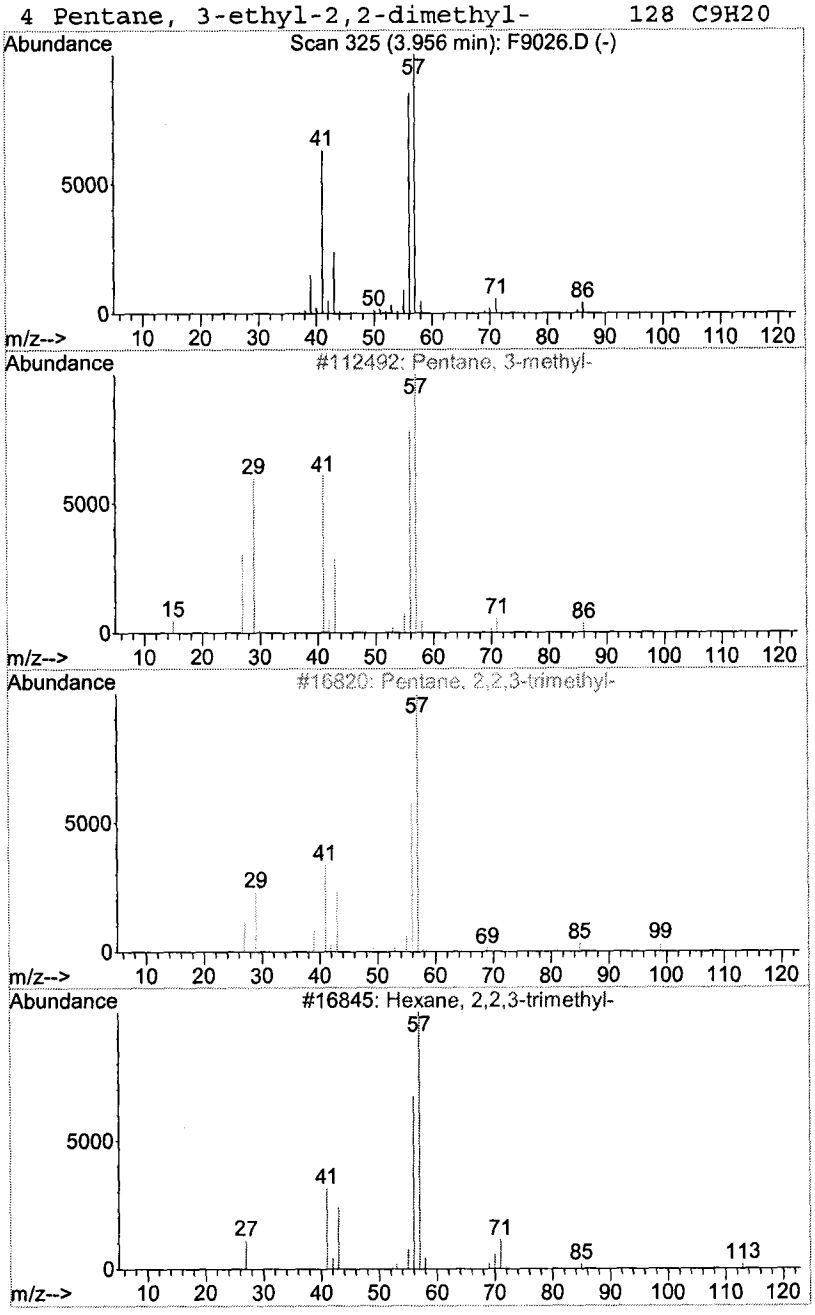
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

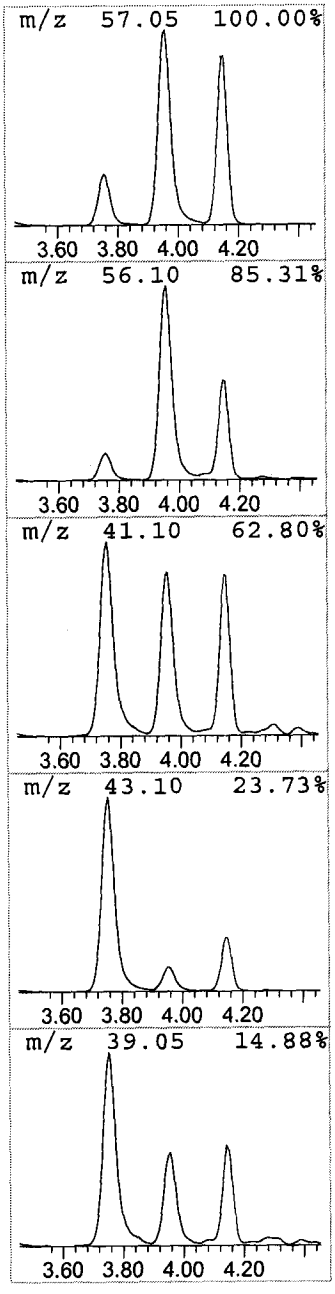
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Peak Number 2 Pentane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
3.96	162.56 ug/L	5510310	CI10 1,4-Difluor	1694830	5.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	56
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	43
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	40





Data File : H:\GCMS_VOA\F\120810\F9026.D
Acq On : 9 Dec 2010 00:02
Sample : RTL0572-02
Misc :
MS Integration Params: Lscint.p

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

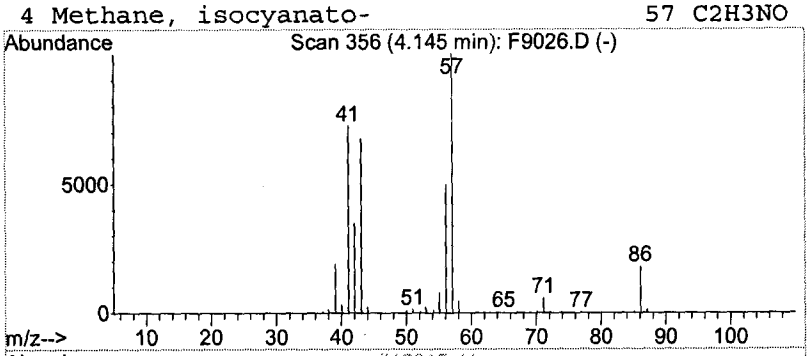
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

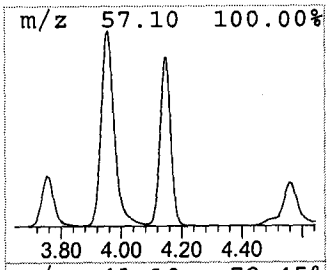
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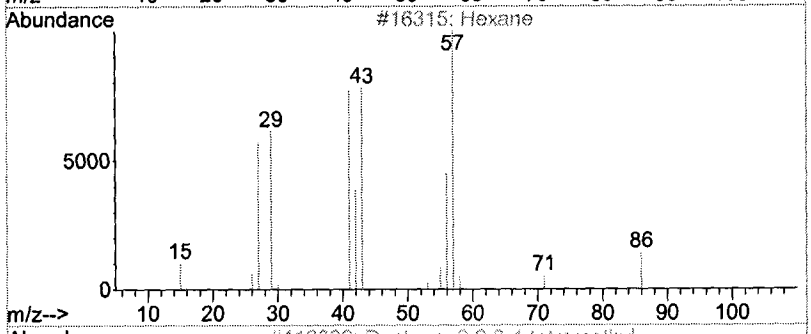
Peak Number 3 Hexane Concentration Rank 7

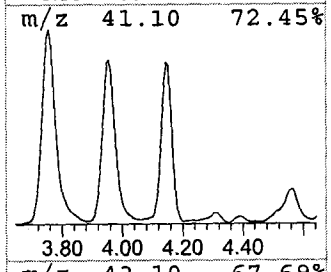
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.14	134.35 ug/L	4553970	CI10 1,4-Difluor	1694830	5.80

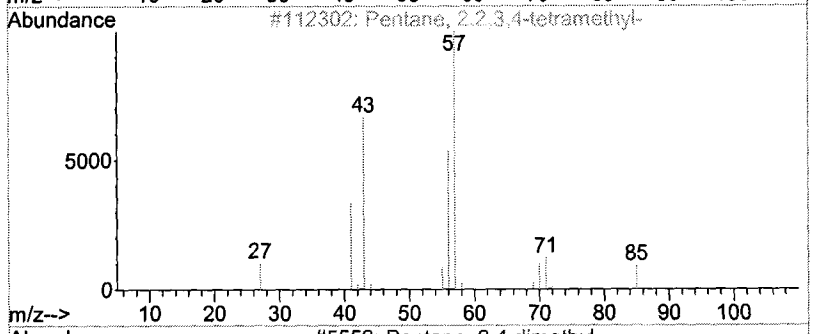
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	42
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	39
4	Methane, isocyanato-	57	C2H3NO	000624-83-9	37

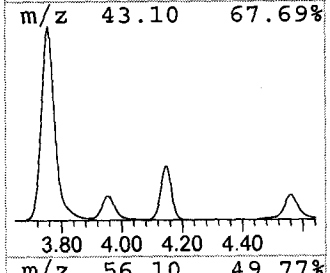


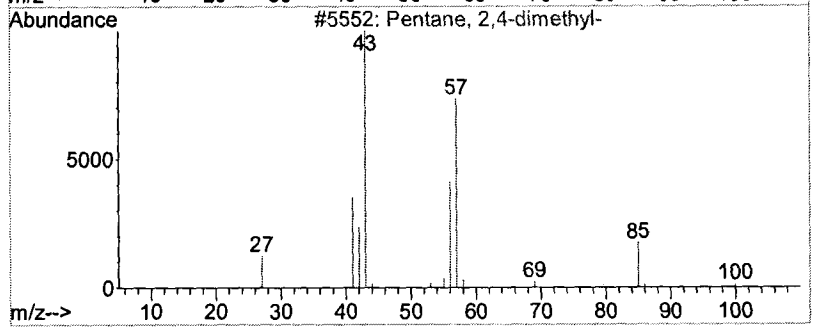


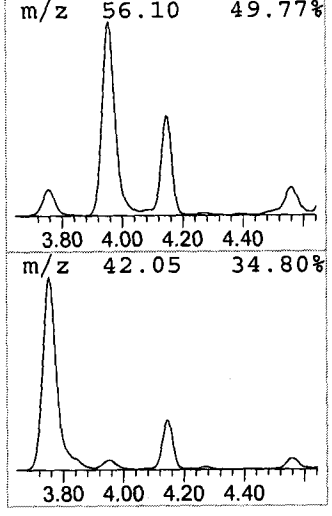












Data File : H:\GCMS_VOA\F\120810\F9026.D
Acq On : 9 Dec 2010 00:02
Sample : RTL0572-02
Misc :
MS Integration Params: Lscint.p

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

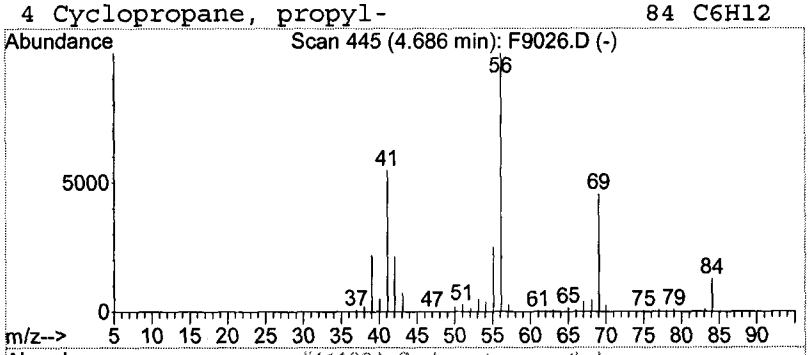
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

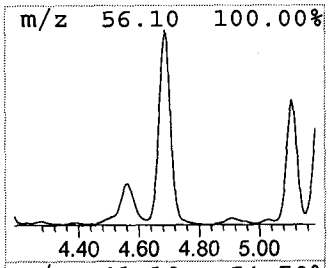
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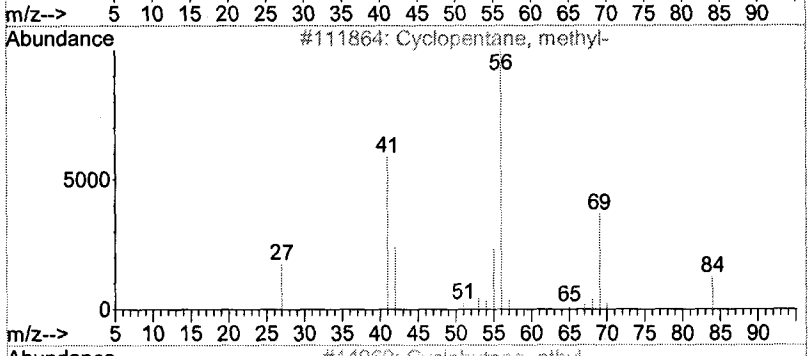
Peak Number 4 Cyclopentane, methyl- Concentration Rank 10

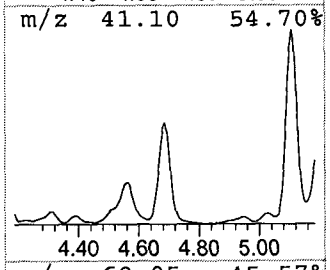
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.69	87.70 ug/L	2972870	CI10 1,4-Difluor	1694830	5.80

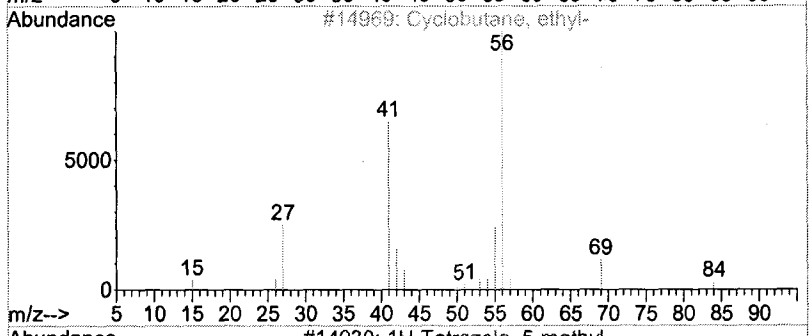
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4	Cyclopropane, propyl-	84	C6H12	002415-72-7	64

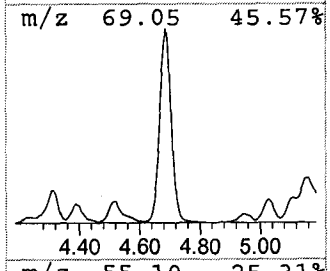


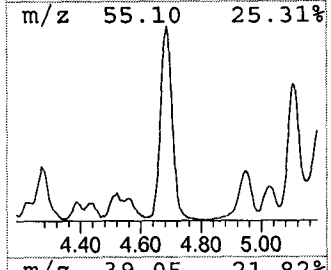


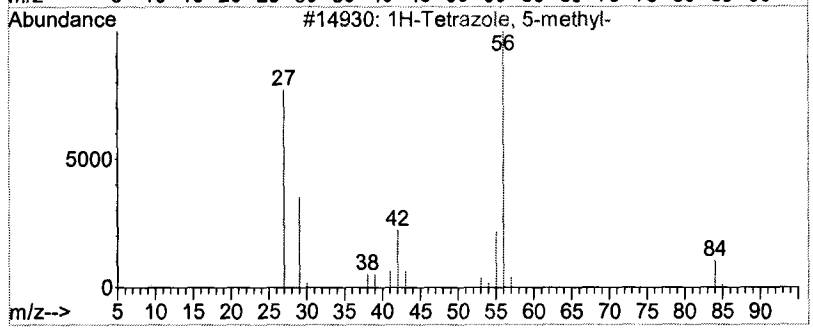


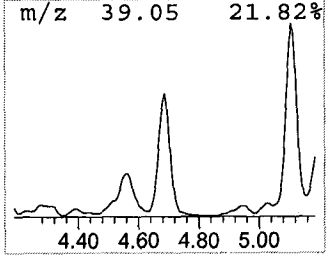












Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9026.D
Acq On : 9 Dec 2010 00:02
Sample : RTL0572-02
Misc :
MS Integration Params: Lscint.p

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

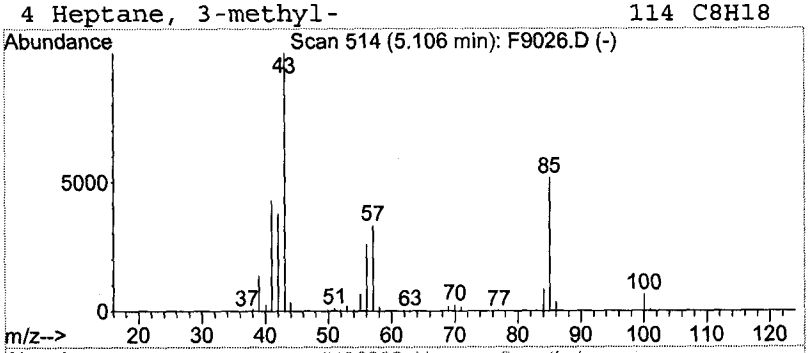
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

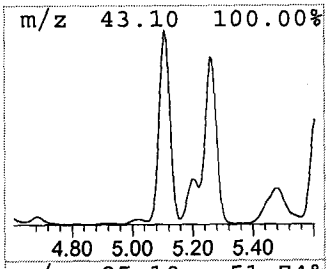
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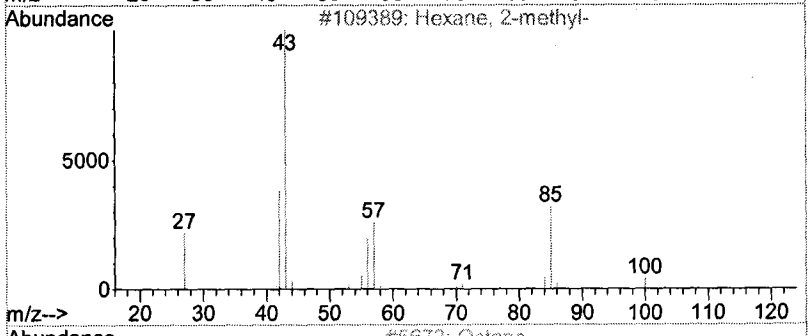
Peak Number 5 Hexane, 2-methyl- Concentration Rank 4

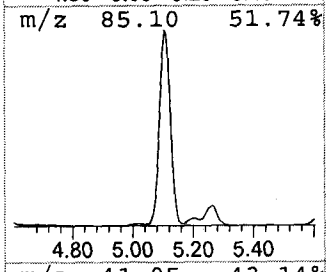
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
5.11	201.61 ug/L	6833880	CI10 1,4-Difluor	1694830	5.80

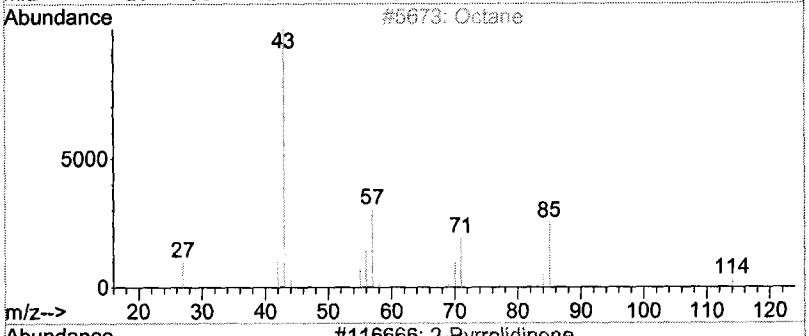
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	90
2	Octane	114	C8H18	000111-65-9	53
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	50
4	Heptane, 3-methyl-	114	C8H18	000589-81-1	50

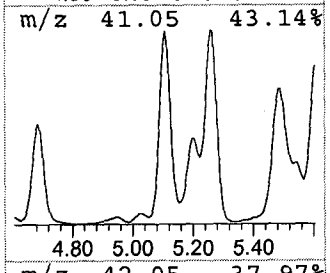


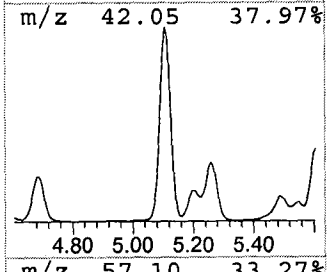


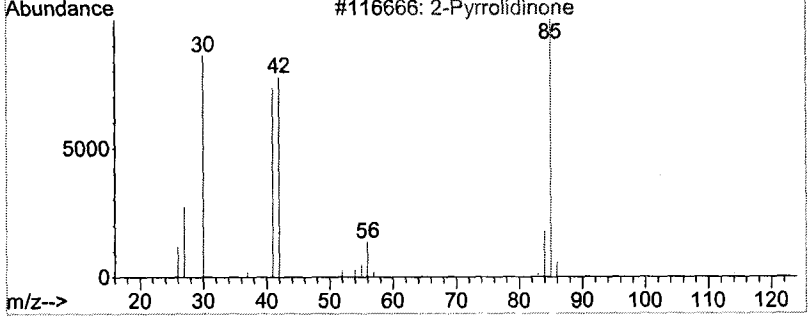


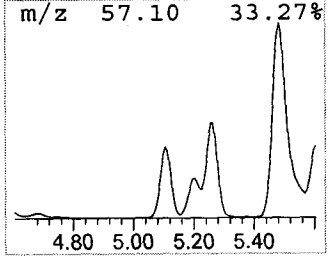












Data File : H:\GCMS_VOA\F\120810\F9026.D
Acq On : 9 Dec 2010 00:02
Sample : RTL0572-02
Misc :
MS Integration Params: Lscint.p

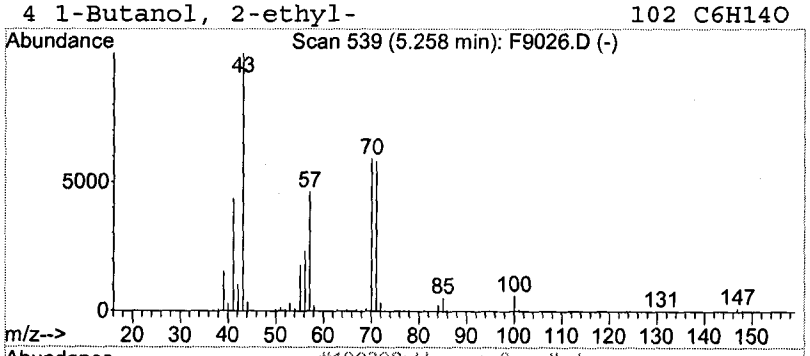
Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

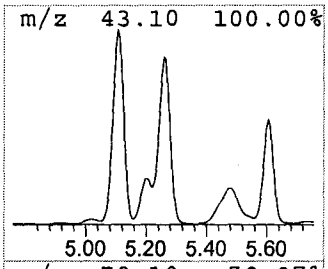
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

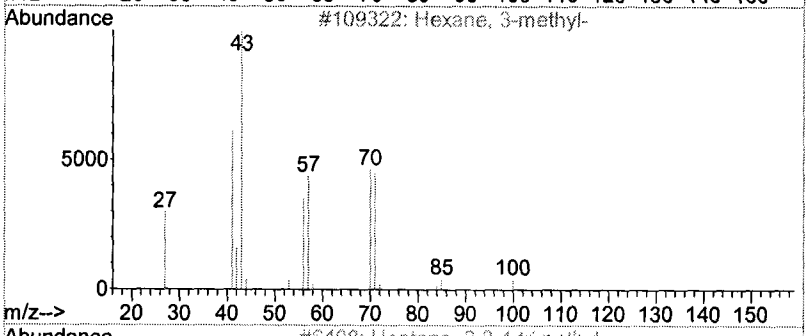
Peak Number 6 Hexane, 3-methyl- Concentration Rank 3

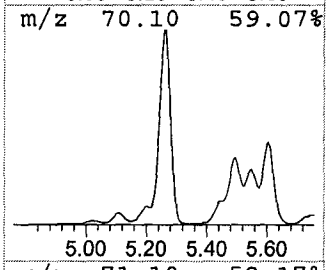
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
5.26	232.26 ug/L	7872970	CI10 1,4-Difluor	1694830	5.80

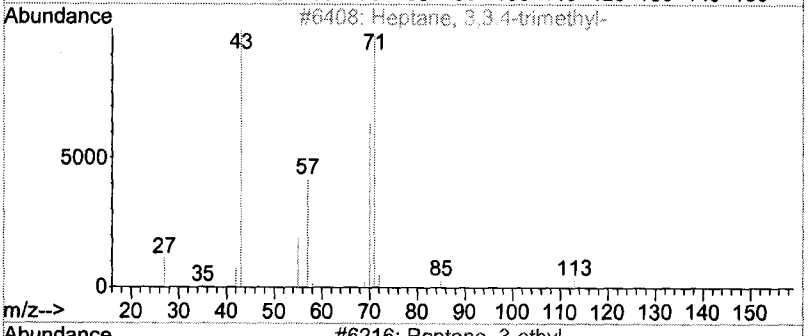
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	72
2	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	64
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
4	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	56

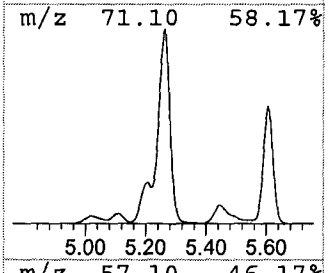


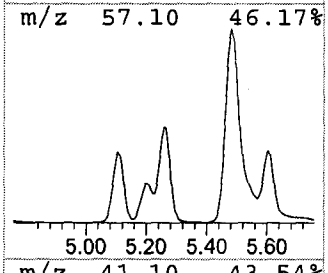


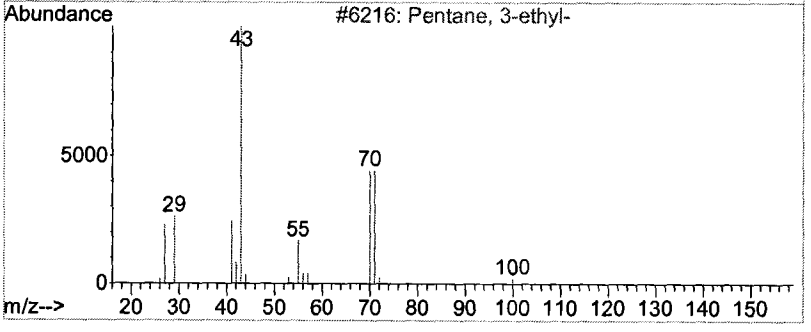


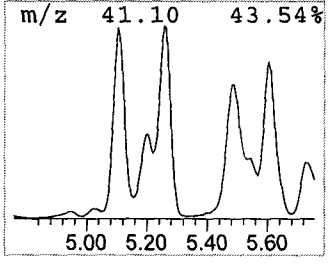












Data File : H:\GCMS_VOA\F\120810\F9026.D
Acq On : 9 Dec 2010 00:02
Sample : RTL0572-02
Misc :
MS Integration Params: Lscint.p

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

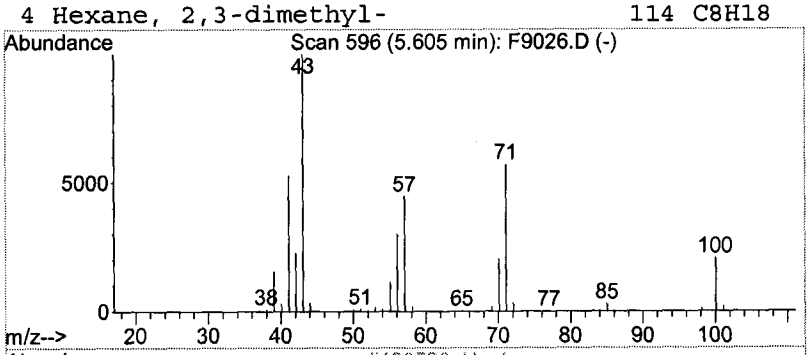
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

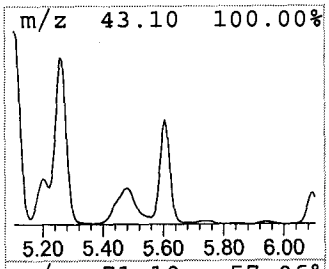
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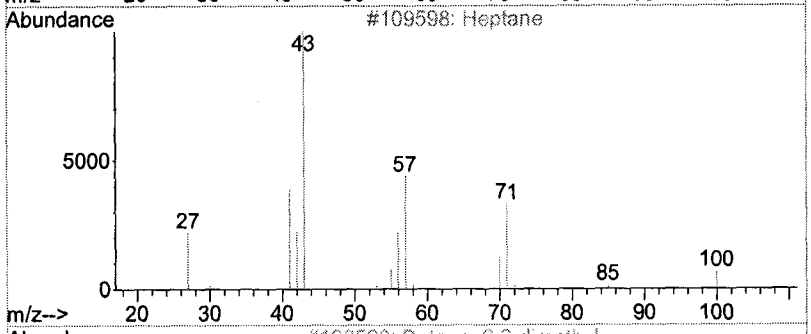
Peak Number 7 Heptane — Concentration Rank 6

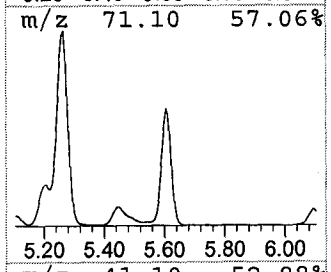
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
5.60	162.15 ug/L	5496280	CI10 1,4-Difluor	1694830	5.80

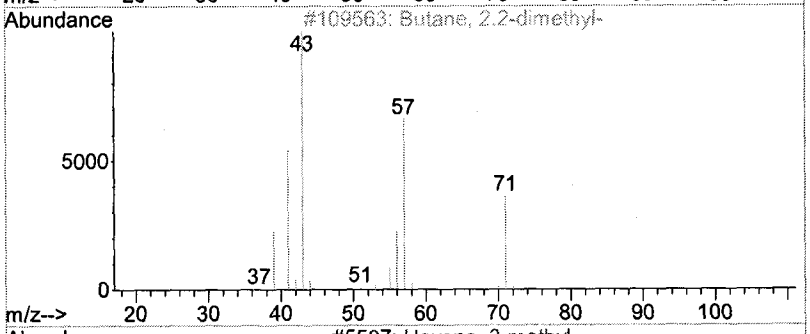
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	87
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	38
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38

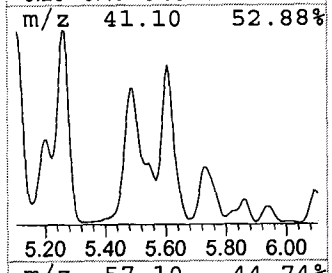


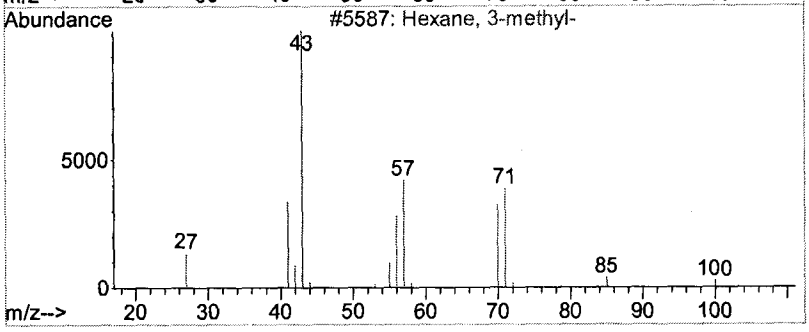


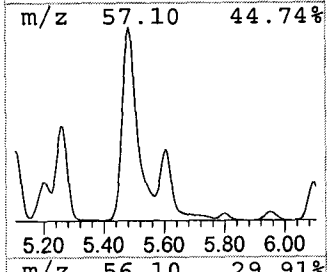


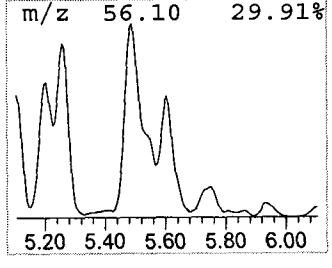












Data File : H:\GCMS_VOA\F\120810\F9026.D
Acq On : 9 Dec 2010 00:02
Sample : RTL0572-02
Misc :
MS Integration Params: Lscint.p

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

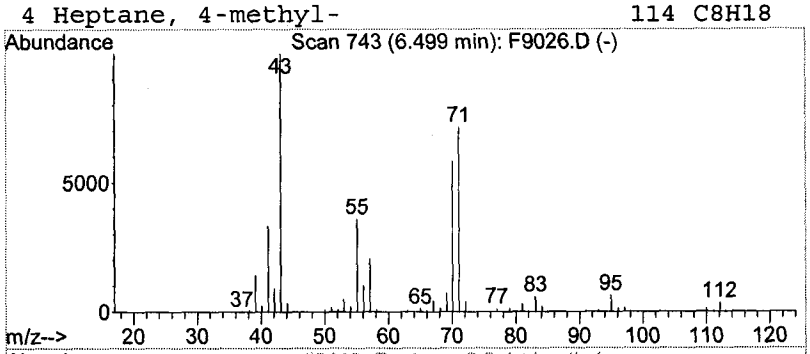
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

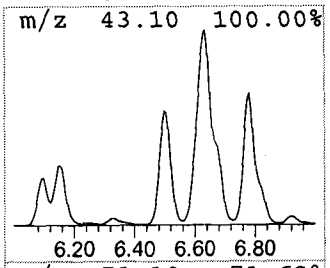
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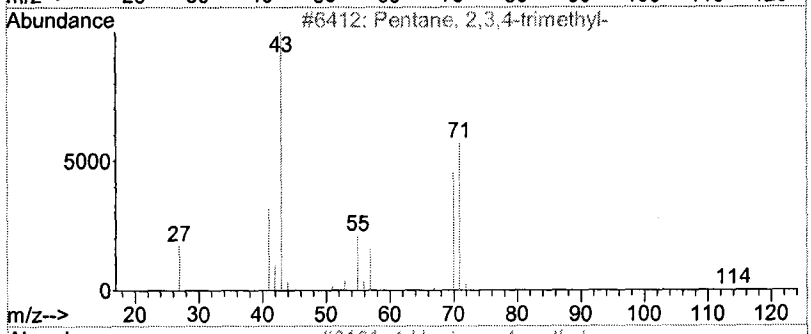
Peak Number 8 Pentane, 2,3,4-trimethyl- Concentration Rank 9

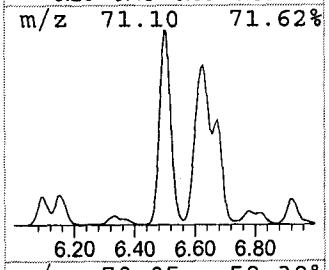
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
6.50	99.25 ug/L	3364270	CI10 1,4-Difluor	1694830	5.80

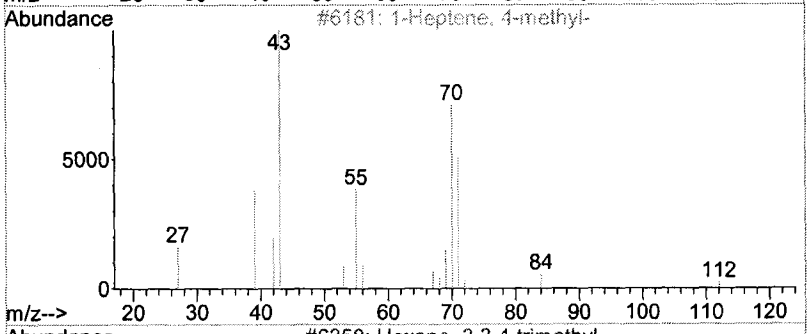
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	87
2	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	78
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	72
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	64

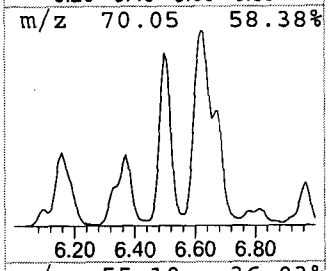


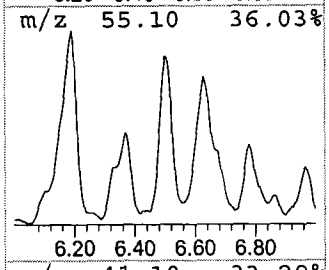


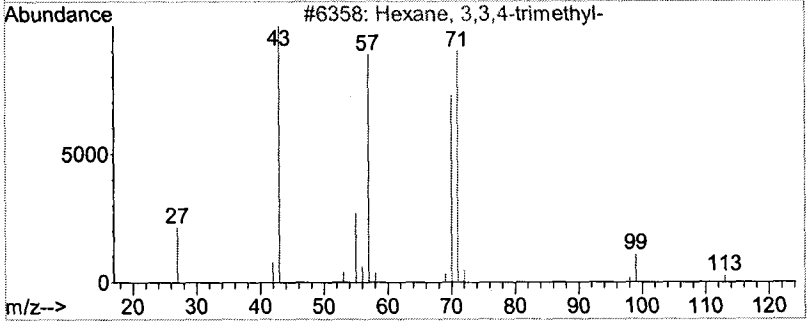


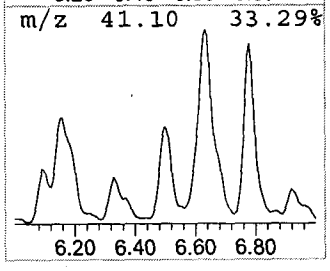












Data File : H:\GCMS_VOA\F\120810\F9026.D
Acq On : 9 Dec 2010 00:02
Sample : RTL0572-02
Misc :
MS Integration Params: Lscint.p

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

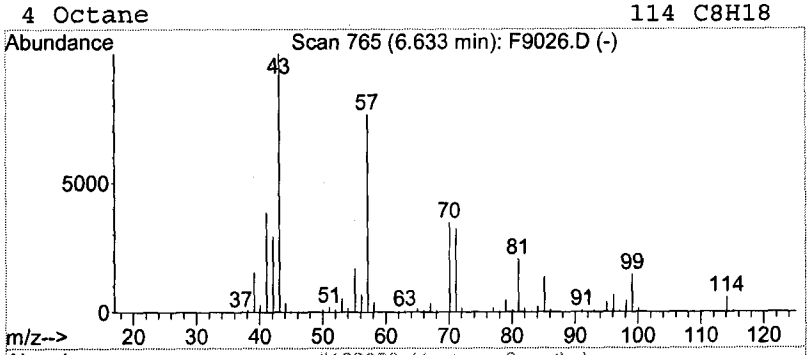
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Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

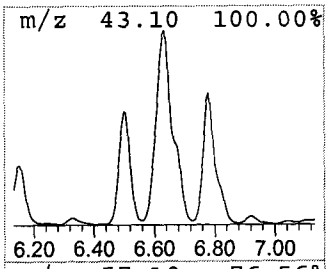
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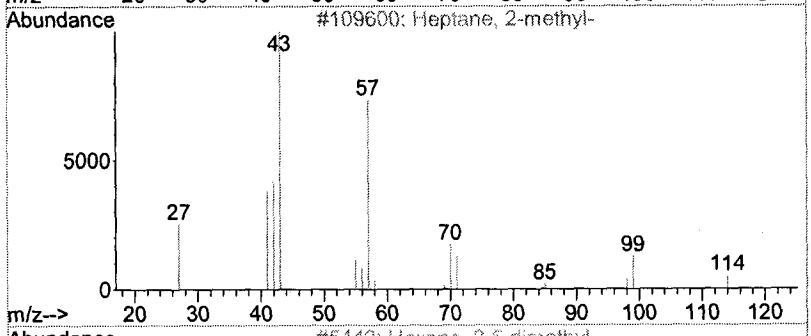
Peak Number 9 Heptane, 2-methyl- Concentration Rank 2

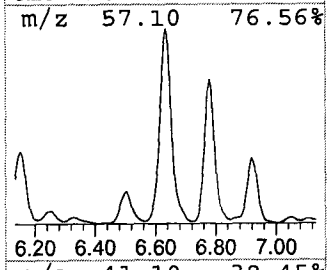
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
6.63	244.78 ug/L	8297290	CI10 1,4-Difluor	1694830	5.80

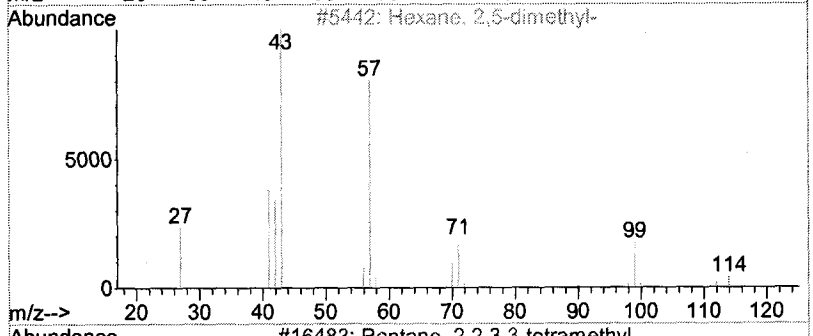
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	58
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	53
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	47
4	Octane	114	C8H18	000111-65-9	47

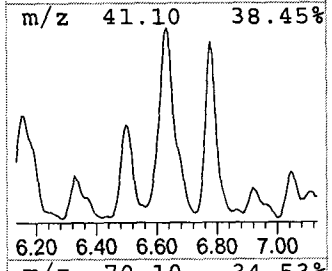


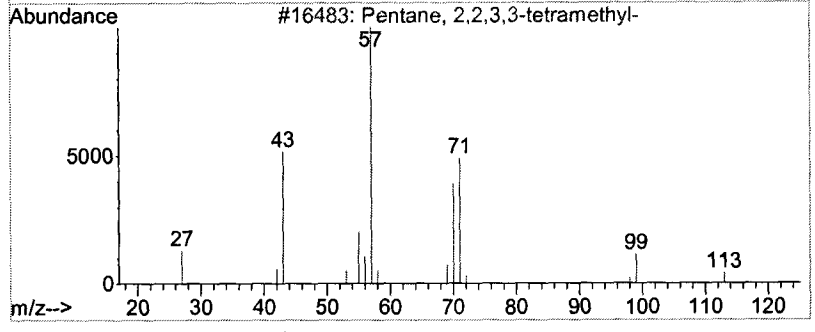


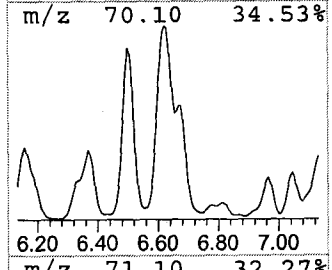


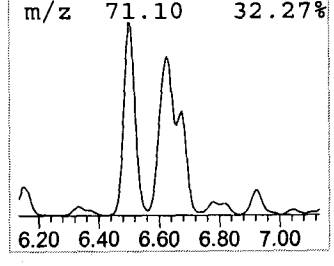












Data File : H:\GCMS_VOA\F\120810\F9026.D Vial: 1
Acq On : 9 Dec 2010 00:02 Operator: CDC
Sample : RTL0572-02 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: Lscint.p

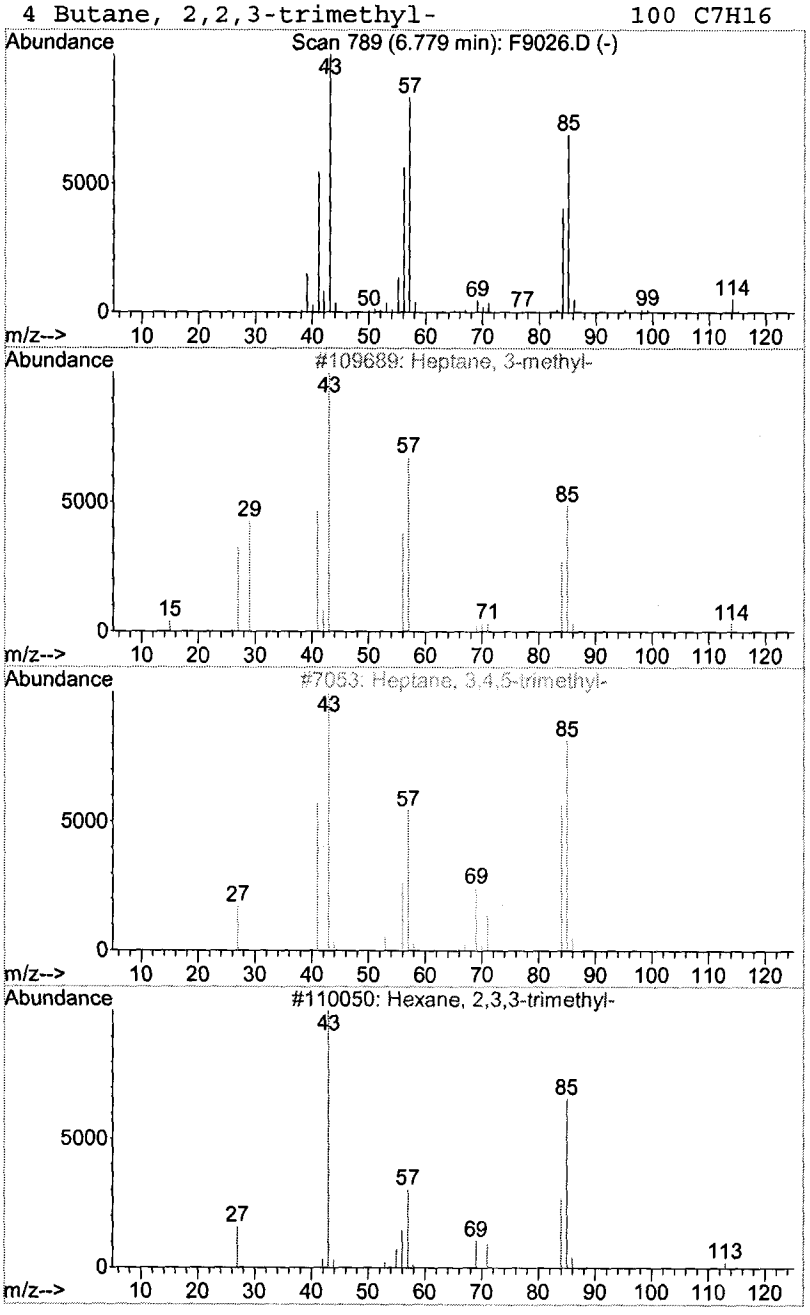
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

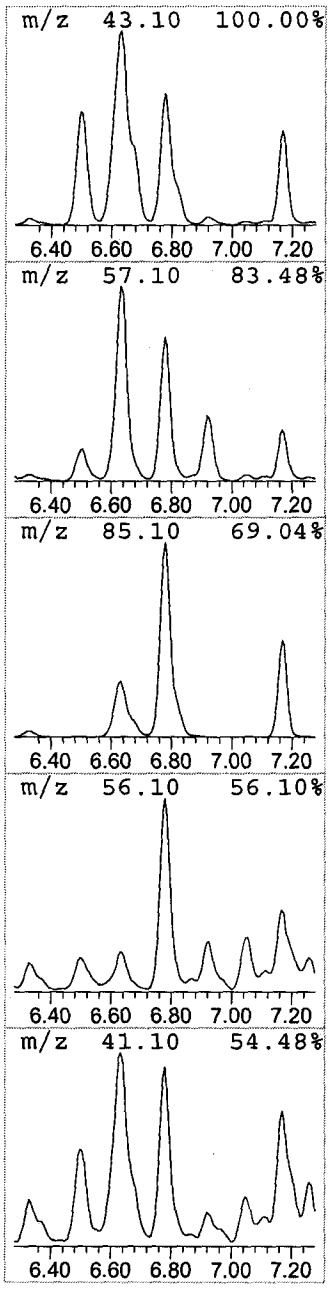
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Peak Number 10 Heptane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
6.78	122.80 ug/L	4162610	CI10 1,4-Difluor	1694830	5.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	53
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	50





Tentatively Identified Compound (LSC) summary

Operator ID: CDC Date Acquired: 9 Dec 2010 00:02
Data File: H:\GCMS_VOA\F\120810\F9026.D
Name: RTL0572-02
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 2-methyl-	3.76	323.6	ug/L	10967700	1	5.80	1694830	50.0
Pentane, 3-methyl-	3.96	162.6	ug/L	5510310	1	5.80	1694830	50.0
Hexane	4.14	134.3	ug/L	4553970	1	5.80	1694830	50.0
Cyclopentane, met...	4.69	87.7	ug/L	2972870	1	5.80	1694830	50.0
Hexane, 2-methyl-	5.11	201.6	ug/L	6833880	1	5.80	1694830	50.0
Hexane, 3-methyl-	5.26	232.3	ug/L	7872970	1	5.80	1694830	50.0
Heptane	5.60	162.1	ug/L	5496280	1	5.80	1694830	50.0
Pentane, 2,3,4-tr...	6.50	99.3	ug/L	3364270	1	5.80	1694830	50.0
Heptane, 2-methyl-	6.63	244.8	ug/L	8297290	1	5.80	1694830	50.0
Heptane, 3-methyl-	6.78	122.8	ug/L	4162610	1	5.80	1694830	50.0

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-3-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-03	File ID:	F9005.D
Sampled:	12/06/10 10:10	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 14:35
Solids:	75.17	Preparation:	5030B MS	Initial/Final:	5.05 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.6	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	6.6	U
79-00-5	1,1,2-Trichloroethane	1	6.6	U
75-34-3	1,1-Dichloroethane	1	6.6	U
75-35-4	1,1-Dichloroethene	1	6.6	U
120-82-1	1,2,4-Trichlorobenzene	1	6.6	U
95-63-6	1,2,4-Trimethylbenzene	1	6.6	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.6	U
106-93-4	1,2-Dibromoethane (EDB)	1	6.6	U
95-50-1	1,2-Dichlorobenzene	1	6.6	U
107-06-2	1,2-Dichloroethane	1	6.6	U
78-87-5	1,2-Dichloropropane	1	6.6	U
108-67-8	1,3,5-Trimethylbenzene	1	6.6	U
541-73-1	1,3-Dichlorobenzene	1	6.6	U
106-46-7	1,4-Dichlorobenzene	1	6.6	U
78-93-3	2-Butanone (MEK)	1	33	U
591-78-6	2-Hexanone	1	33	U
99-87-6	4-Isopropyltoluene	1	6.6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	33	U
67-64-1	Acetone	1	31	J
71-43-2	Benzene	1	6.6	U
75-27-4	Bromodichloromethane	1	6.6	U
75-25-2	Bromoform	1	6.6	U
74-83-9	Bromomethane	1	6.6	U
75-15-0	Carbon disulfide	1	6.6	U
56-23-5	Carbon Tetrachloride	1	6.6	U
108-90-7	Chlorobenzene	1	6.6	U
124-48-1	Chlorodibromomethane	1	6.6	U
75-00-3	Chloroethane	1	6.6	U
67-66-3	Chloroform	1	6.6	U
74-87-3	Chloromethane	1	6.6	U
156-59-2	cis-1,2-Dichloroethene	1	6.6	U
10061-01-5	cis-1,3-Dichloropropene	1	6.6	U
110-82-7	Cyclohexane	1	6.6	U
75-71-8	Dichlorodifluoromethane	1	6.6	U
100-41-4	Ethylbenzene	1	6.6	U
98-82-8	Isopropylbenzene	1	6.6	U
79-20-9	Methyl Acetate	1	6.6	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SP-3-4-6

Laboratory:	TestAmerica Buffalo		SDG:	RTL0572	
Client:	PARS Environmental, Inc.		Project:	NF Armed Forces Reserve Center Solids Testing	
Matrix:	Solid	Laboratory ID:	RTL0572-03	File ID:	F9005.D
Sampled:	12/06/10 10:10	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 14:35
Solids:	75.17	Preparation:	5030B MS	Initial/Final:	5.05 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	6.6	U
108-87-2	Methylcyclohexane	1	6.6	U
75-09-2	Methylene Chloride	1	32	
91-20-3	Naphthalene	1	6.6	U
104-51-8	n-Butylbenzene	1	6.6	U
103-65-1	n-Propylbenzene	1	6.6	U
135-98-8	sec-Butylbenzene	1	6.6	U
100-42-5	Styrene	1	6.6	U
98-06-6	tert-Butylbenzene	1	6.6	U
127-18-4	Tetrachloroethene	1	6.6	U
108-88-3	Toluene	1	6.6	U
156-60-5	trans-1,2-Dichloroethene	1	6.6	U
10061-02-6	trans-1,3-Dichloropropene	1	6.6	U
79-01-6	Trichloroethene	1	6.6	U
75-69-4	Trichlorofluoromethane	1	6.6	U
75-01-4	Vinyl chloride	1	6.6	U
1330-20-7	Xylenes, total	1	3.2	J

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
110-54-3	Hexane	4.145	14	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	57.2	114	64 - 126	
4-Bromofluorobenzene	50.0	52.6	105	72 - 126	
Toluene-d8	50.0	53.9	108	71 - 125	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	360059	10.88	390973	10.88	
1,4-Difluorobenzene	680443	5.8	707306	5.8	
Chlorobenzene-d5	331844	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9005.D Vial: 11
Acq On : 8 Dec 2010 14:35 Operator: PJQ
Sample : RTL0572-03 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:28:35 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	680443	50.00	ug/L	0.00 96.20%
42) CI20	Chlorobenzene-D5	8.59	82	331844	50.00	ug/L	0.00 96.40%
62) CI30	1,4-Dichlorobenzene-	10.88	152	360059	50.00	ug/L	0.00 92.09%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	250816	57.21	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	114.42%		
43) CS05	Toluene-D8	7.14	98	1017387	53.91	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	107.82%		
61) CS10	p-Bromofluorobenzene	9.80	174	315376	52.60	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	105.20%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	3.82	84	95262	24.11	ug/L	94
11) C040	Carbon disulfide	3.64	76	322	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	3.48	43	26586	23.68	ug/L	94
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	5.06	42	4826	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C256	Cyclohexane	0.00	56	0	N.D.		
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	0.00	78	0	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	4.81	43	3939	N.D.		

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9005.D
Acq On : 8 Dec 2010 14:35
Sample : RTL0572-03
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:28:35 2010

Vial: 11
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	0.00	83	0	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	8811	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	7.14	43	4409	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	7.90	43	4912	N.D.	
54)	C235	Chlorobenzene	0.00	112	0	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.68	91	22650	N.D.	
57)	C246	m,p-Xylene	8.80	106	24038	2.40 ug/L	97
58)	C247	o-Xylene	9.23	106	8504	N.D.	
59)	C245	Styrene	0.00	104	0	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	9.57	105	419	N.D.	
64)	C301	Bromobenzene	10.05	156	149	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	9.99	91	612	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.16	105	292	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	3216	N.D.	
74)	C308	sec-Butylbenzene	10.51	105	3216	N.D.	
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
79)	C310	n-Butylbenzene	11.15	91	146	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.83	128	5312	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

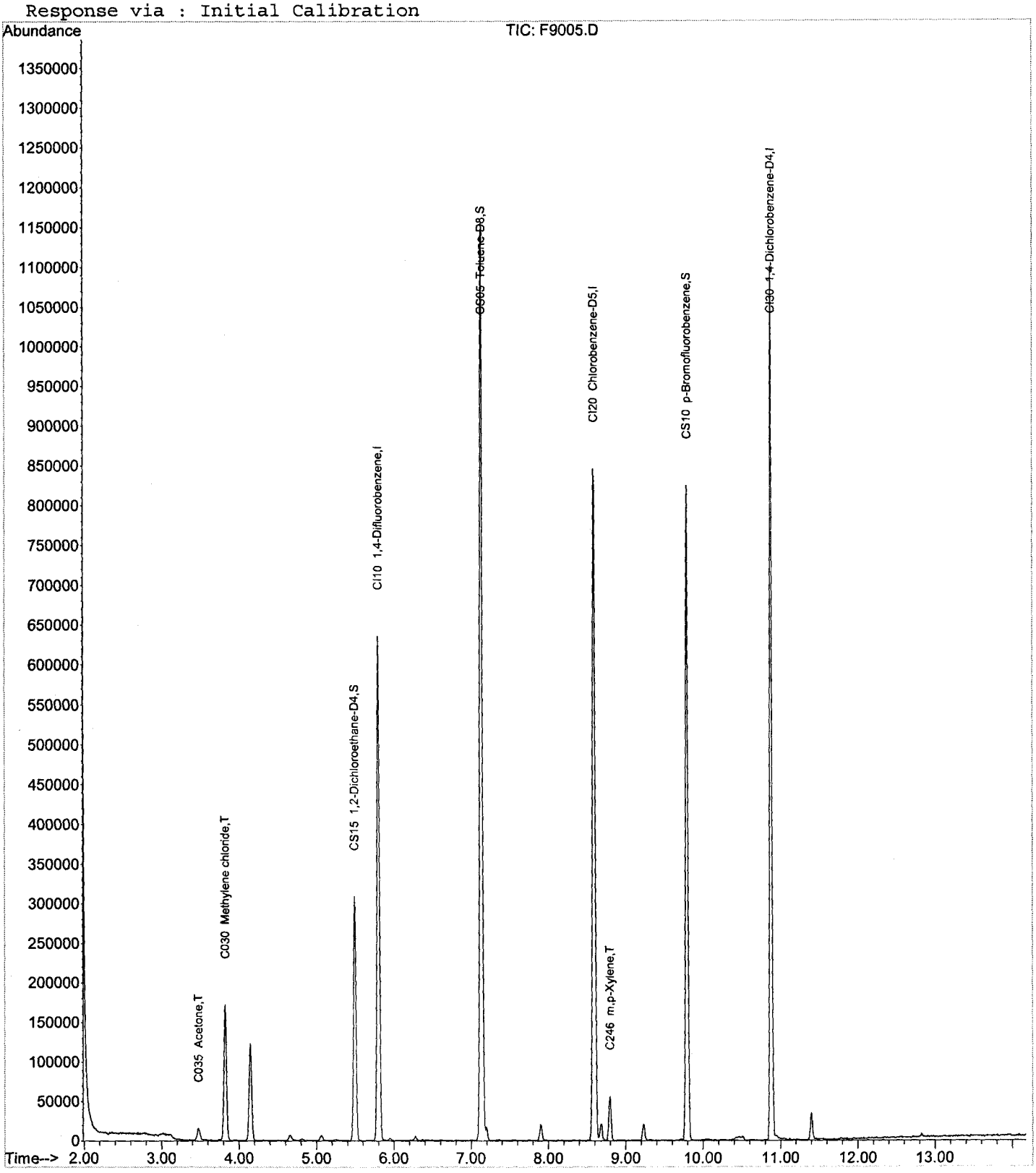
(#) = qualifier out of range (m) = manual integration

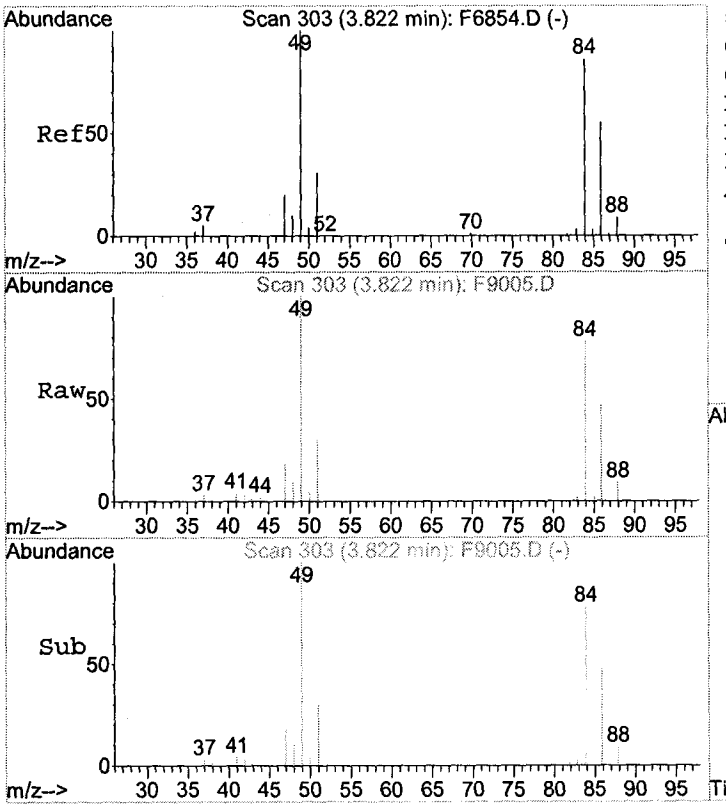
12/14/2010

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9005.D Vial: 11
Acq On : 8 Dec 2010 14:35 Operator: PJQ
Sample : RTL0572-03 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:25 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration

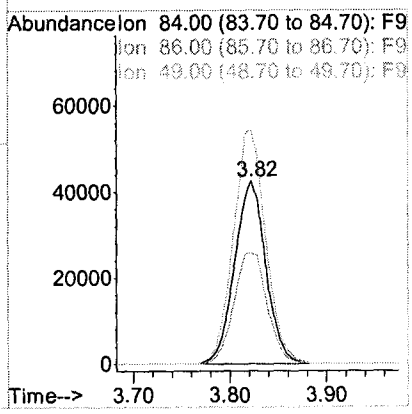


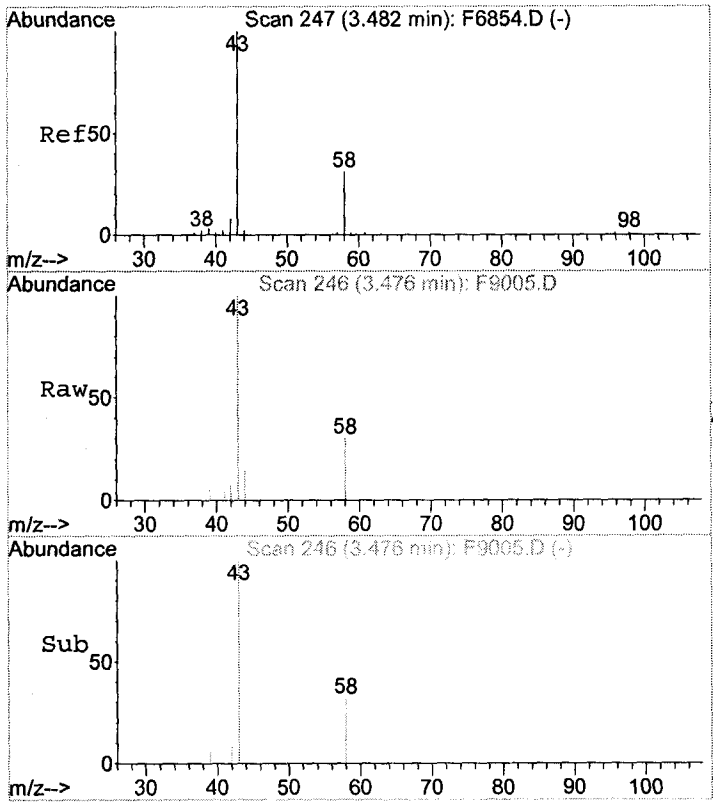


#10
C030 Methylene chloride
Concen: 24.11 ug/L
RT: 3.82 min Scan# 303
Delta R.T. 0.01 min
Lab File: F9005.D
Acq: 8 Dec 2010 14:35

Tgt Ion: 84 Resp: 95262

Ion	Ratio	Lower	Upper
84	100		
86	60.4	40.0	100.0
49	128.3	95.0	155.0

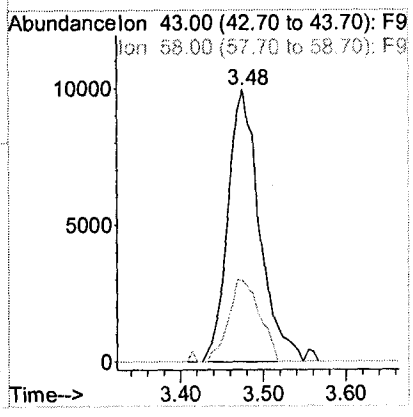


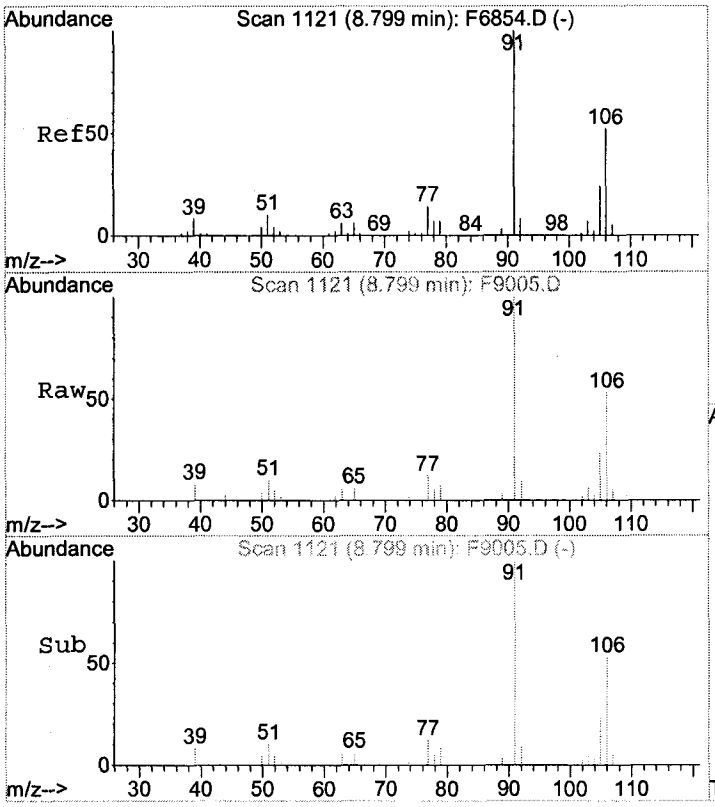


#14
C035 Acetone
Concen: 23.68 ug/L
RT: 3.48 min Scan# 246
Delta R.T. 0.01 min
Lab File: F9005.D
Acq: 8 Dec 2010 14:35

Tgt Ion: 43 Resp: 26586

Ion	Ratio	Lower	Upper
43	100		
58	29.8	3.0	63.0

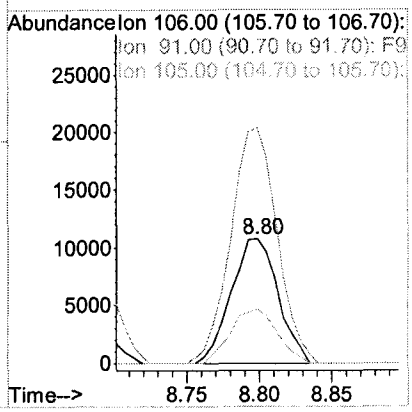




#57
C246 m,p-Xylene
Concen: 2.40 ug/L
RT: 8.80 min Scan# 1121
Delta R.T. 0.00 min
Lab File: F9005.D
Acq: 8 Dec 2010 14:35

Tgt Ion:106 Resp: 24038

Ion	Ratio	Lower	Upper
106	100		
91	189.2	164.6	224.6
105	42.8	12.6	72.6



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9005.D
Acq On : 8 Dec 2010 14:35
Sample : RTL0572-03
Misc :
MS Integration Params: Lscint.p

Vial: 11
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

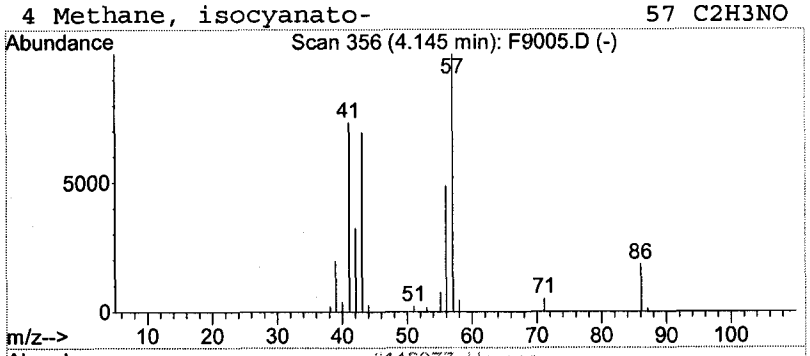
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

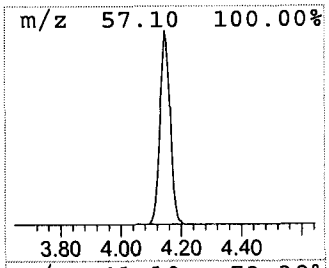
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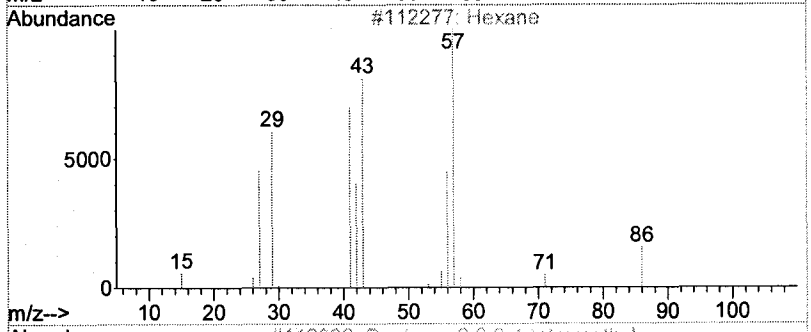
Peak Number 1 Hexane — Concentration Rank 1

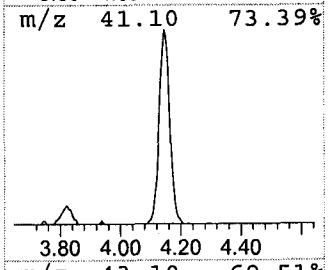
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.14	10.35 ug/L	290507	CI10 1,4-Difluor	1402920	5.80

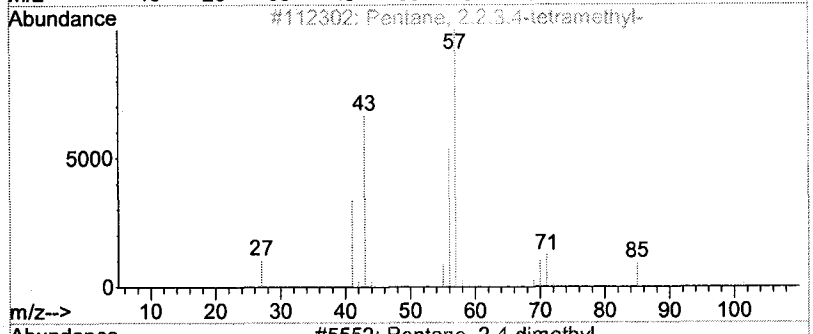
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	38
4	Methane, isocyanato-	57	C2H3NO	000624-83-9	32

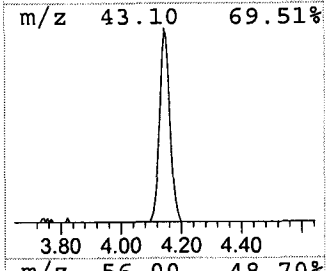


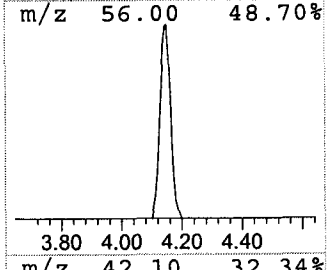


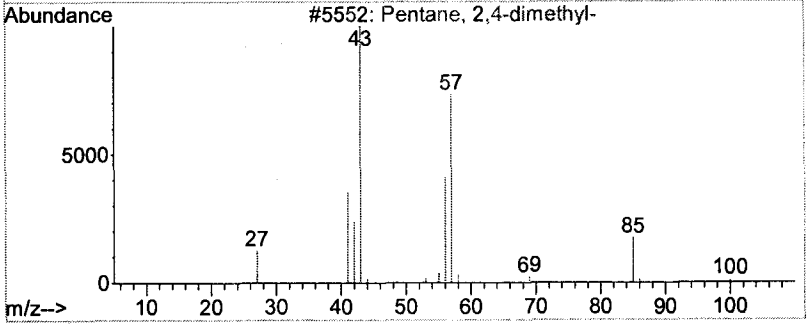


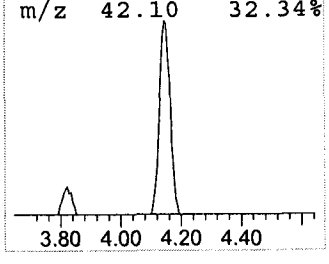












Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 14:35
Data File: H:\GCMS_VOA\F\120810\F9005.D
Name: RTL0572-03
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane	4.14	10.4	ug/L	290507	1	5.80	1402920	50.0

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-4-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-04	File ID:	F9006.D
Sampled:	12/06/10 10:40	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 15:00
Solids:	78.21	Preparation:	5030B MS	Initial/Final:	5.08 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	6.3	U
79-00-5	1,1,2-Trichloroethane	1	6.3	U
75-34-3	1,1-Dichloroethane	1	6.3	U
75-35-4	1,1-Dichloroethene	1	6.3	U
120-82-1	1,2,4-Trichlorobenzene	1	6.3	U
95-63-6	1,2,4-Trimethylbenzene	1	6.3	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.3	U
106-93-4	1,2-Dibromoethane (EDB)	1	6.3	U
95-50-1	1,2-Dichlorobenzene	1	6.3	U
107-06-2	1,2-Dichloroethane	1	6.3	U
78-87-5	1,2-Dichloropropane	1	6.3	U
108-67-8	1,3,5-Trimethylbenzene	1	6.3	U
541-73-1	1,3-Dichlorobenzene	1	6.3	U
106-46-7	1,4-Dichlorobenzene	1	6.3	U
78-93-3	2-Butanone (MEK)	1	31	U
591-78-6	2-Hexanone	1	31	U
99-87-6	4-Isopropyltoluene	1	6.3	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	31	U
67-64-1	Acetone	1	38	
71-43-2	Benzene	1	6.3	U
75-27-4	Bromodichloromethane	1	6.3	U
75-25-2	Bromoform	1	6.3	U
74-83-9	Bromomethane	1	6.3	U
75-15-0	Carbon disulfide	1	6.3	U
56-23-5	Carbon Tetrachloride	1	6.3	U
108-90-7	Chlorobenzene	1	6.3	U
124-48-1	Chlorodibromomethane	1	6.3	U
75-00-3	Chloroethane	1	6.3	U
67-66-3	Chloroform	1	6.3	U
74-87-3	Chloromethane	1	6.3	U
156-59-2	cis-1,2-Dichloroethene	1	6.3	U
10061-01-5	cis-1,3-Dichloropropene	1	6.3	U
110-82-7	Cyclohexane	1	6.3	U
75-71-8	Dichlorodifluoromethane	1	6.3	U
100-41-4	Ethylbenzene	1	6.3	U
98-82-8	Isopropylbenzene	1	6.3	U
79-20-9	Methyl Acetate	1	6.3	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-4-2-4

Laboratory:	TestAmerica Buffalo		SDG:	RTL0572	
Client:	PARS Environmental, Inc.		Project:	NF Armed Forces Reserve Center Solids Testing	
Matrix:	Solid	Laboratory ID:	RTL0572-04	File ID:	F9006.D
Sampled:	12/06/10 10:40	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 15:00
Solids:	78.21	Preparation:	5030B MS	Initial/Final:	5.08 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	6.3	U
108-87-2	Methylcyclohexane	1	6.3	U
75-09-2	Methylene Chloride	1	29	
91-20-3	Naphthalene	1	6.3	U
104-51-8	n-Butylbenzene	1	6.3	U
103-65-1	n-Propylbenzene	1	6.3	U
135-98-8	sec-Butylbenzene	1	6.3	U
100-42-5	Styrene	1	6.3	U
98-06-6	tert-Butylbenzene	1	6.3	U
127-18-4	Tetrachloroethene	1	6.3	U
108-88-3	Toluene	1	6.3	U
156-60-5	trans-1,2-Dichloroethene	1	6.3	U
10061-02-6	trans-1,3-Dichloropropene	1	6.3	U
79-01-6	Trichloroethene	1	6.3	U
75-69-4	Trichlorofluoromethane	1	6.3	U
75-01-4	Vinyl chloride	1	6.3	U
1330-20-7	Xylenes, total	1	13	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
110-54-3	Hexane	4.145	11	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	56.9	114	64 - 126	
4-Bromofluorobenzene	50.0	50.4	101	72 - 126	
Toluene-d8	50.0	51.1	102	71 - 125	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	389147	10.88	390973	10.88	
1,4-Difluorobenzene	722301	5.8	707306	5.8	
Chlorobenzene-d5	355316	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9006.D Vial: 12
Acq On : 8 Dec 2010 15:00 Operator: PJQ
Sample : RTL0572-04 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:28:40 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	722301	50.00	ug/L	0.00 102.12%
42) CI20	Chlorobenzene-D5	8.59	82	355316	50.00	ug/L	0.00 103.21%
62) CI30	1,4-Dichlorobenzene-	10.88	152	389147	50.00	ug/L	0.00 99.53%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	264914	56.92	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	113.84%		
43) CS05	Toluene-D8	7.14	98	1032420	51.09	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	102.18%		
61) CS10	p-Bromofluorobenzene	9.80	174	323421	50.38	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	100.76%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	3.82	84	96362	22.97	ug/L	94
11) C040	Carbon disulfide	3.65	76	9709	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	3.48	43	35561	29.84	ug/L	93
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	3.74	43	1257	N.D.		
18) C962	T-butyl Methyl Ether	3.98	73	946	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C256	Cyclohexane	0.00	56	0	N.D.		
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	5.53	78	1625	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	4.81	43	8500	N.D.		

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9006.D Vial: 12
Acq On : 8 Dec 2010 15:00 Operator: PJQ
Sample : RTL0572-04 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:28:40 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	0.00	83	0	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	2002	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	7.14	43	4626	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	0.00	43	0	N.D.	
54)	C235	Chlorobenzene	0.00	112	0	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.70	91	1547	N.D.	
57)	C246	m,p-Xylene	8.79	106	1876	N.D.	
58)	C247	o-Xylene	9.23	106	947	N.D.	
59)	C245	Styrene	0.00	104	0	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	9.59	105	737	N.D.	
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	9.99	91	519	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.16	105	481	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.52	105	2734	N.D.	
74)	C308	sec-Butylbenzene	10.52	105	2734	N.D.	
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
79)	C310	n-Butylbenzene	11.12	91	290	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.82	128	5756	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

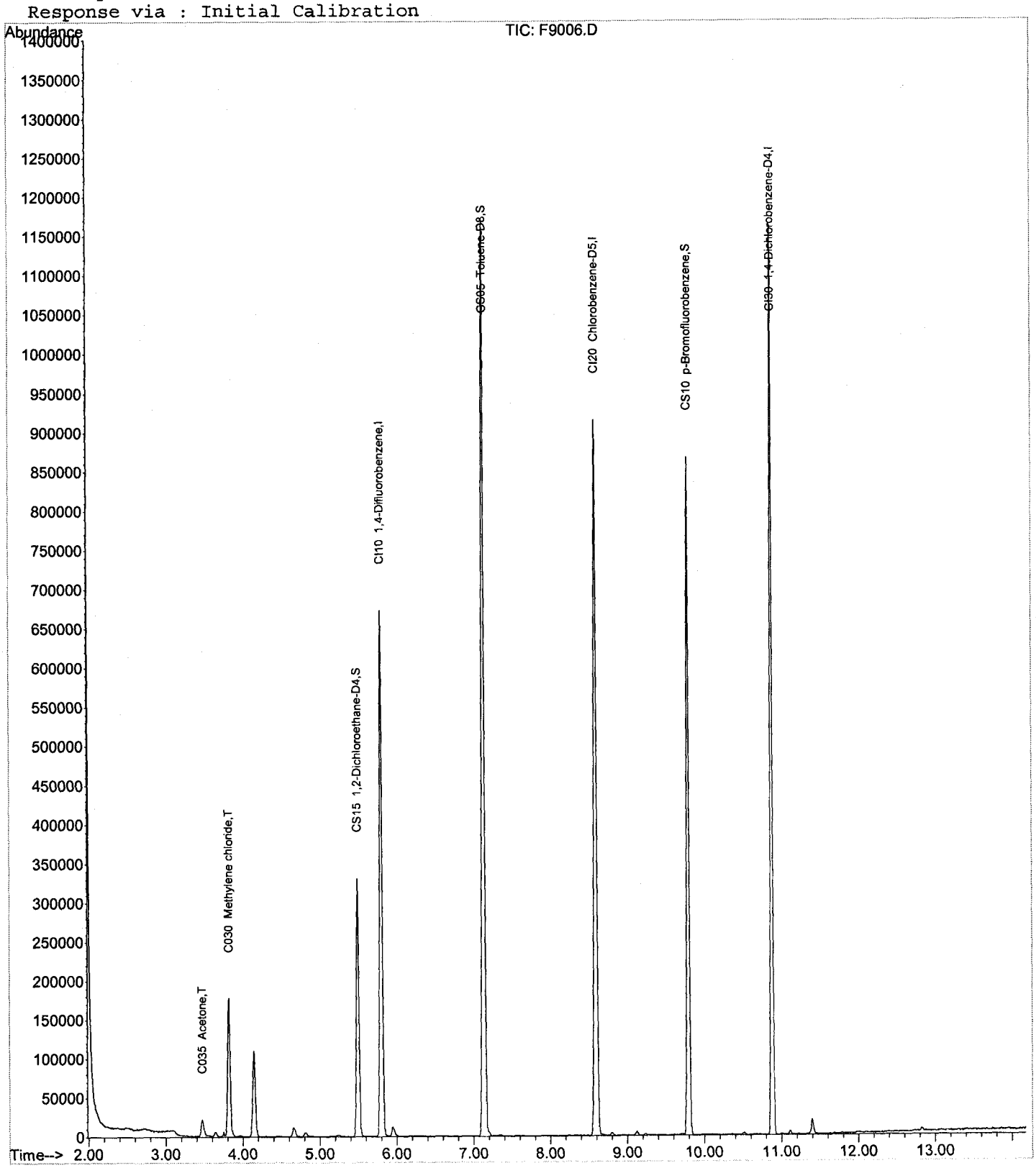
(#) = qualifier out of range (m) = manual integration

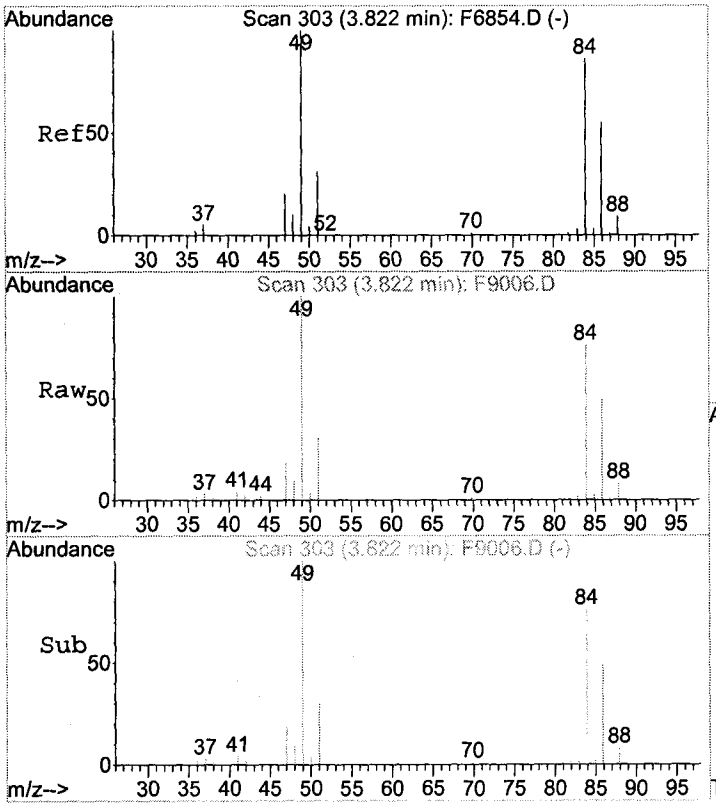
12/14/2010

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9006.D Vial: 12
Acq On : 8 Dec 2010 15:00 Operator: PJQ
Sample : RTL0572-04 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:25 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration

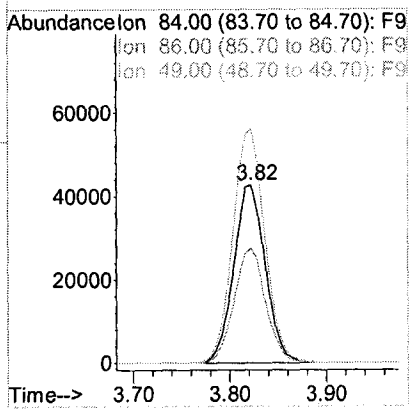


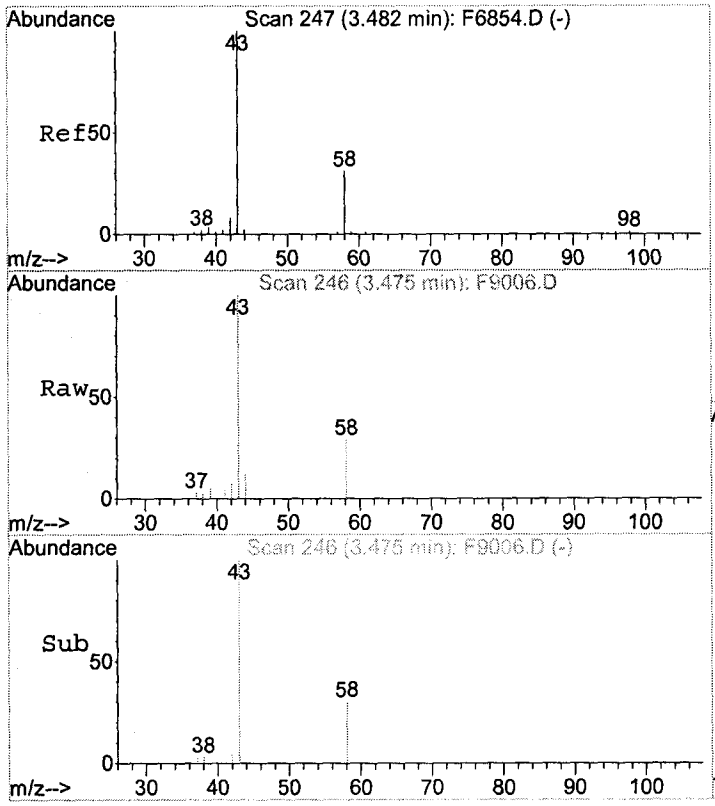


#10
C030 Methylene chloride
Concen: 22.97 ug/L
RT: 3.82 min Scan# 303
Delta R.T. 0.01 min
Lab File: F9006.D
Acq: 8 Dec 2010 15:00

Tgt Ion: 84 Resp: 96362

Ion	Ratio	Lower	Upper
84	100		
86	64.3	40.0	100.0
49	131.9	95.0	155.0

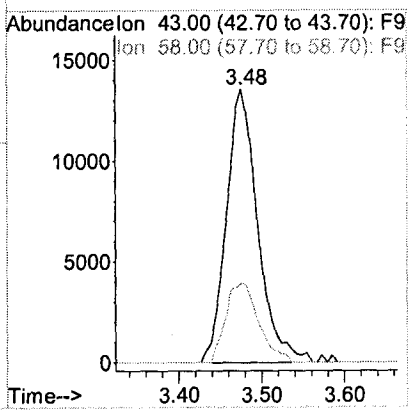




#14
C035 Acetone
Concen: 29.84 ug/L
RT: 3.48 min Scan# 246
Delta R.T. 0.01 min
Lab File: F9006.D
Acq: 8 Dec 2010 15:00

Tgt Ion: 43 Resp: 35561

Ion	Ratio	Lower	Upper
43	100		
58	28.9	3.0	63.0



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9006.D
Acq On : 8 Dec 2010 15:00
Sample : RTL0572-04
Misc :
MS Integration Params: Lscint.p

Vial: 12
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

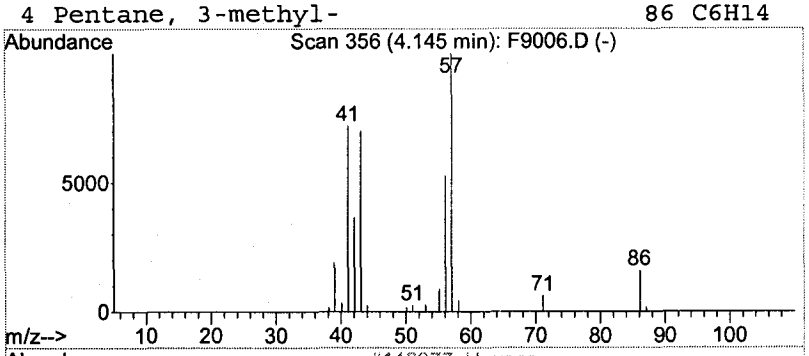
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

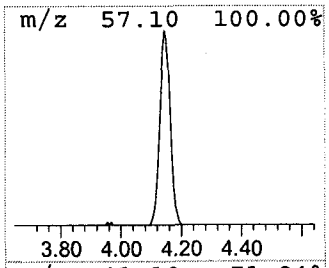
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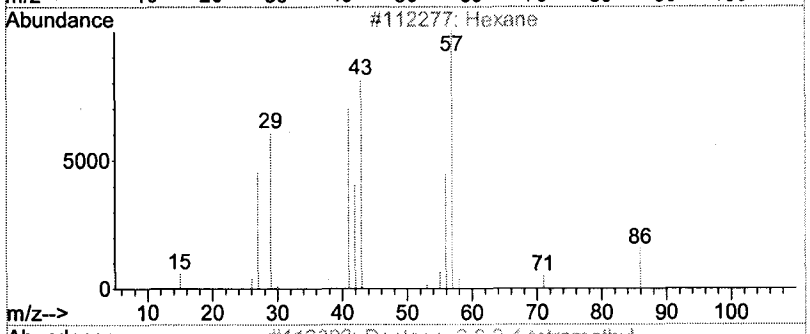
Peak Number 1 Hexane — Concentration Rank 1

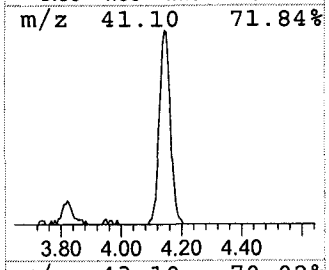
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.14	8.72 ug/L	258712	CI10 1,4-Difluor	1483500	5.80

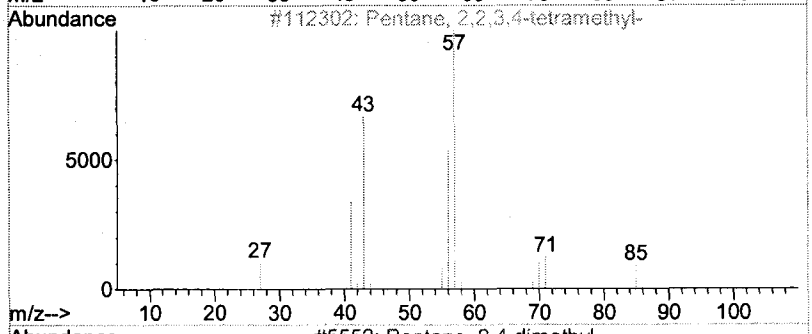
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	42
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	39
4	Pentane, 3-methyl-	86	C6H14	000096-14-0	38

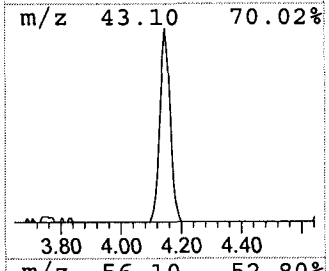


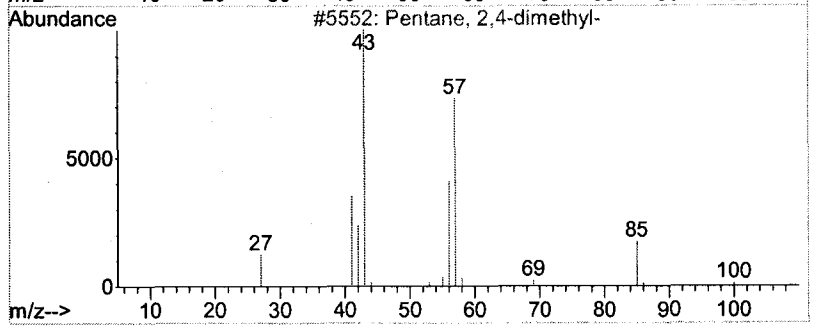


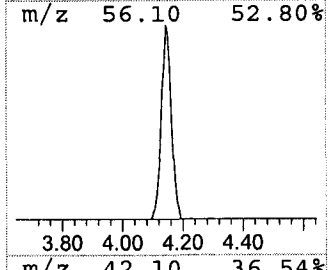


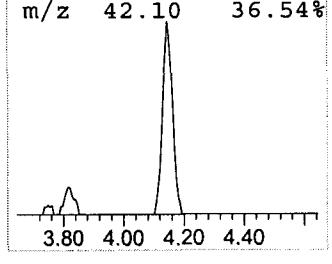












Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 15:00
Data File: H:\GCMS_VOA\F\120810\F9006.D
Name: RTL0572-04
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane	4.14	8.7	ug/L	258712	1	5.80	1483500	50.0

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-5-2-4

Laboratory: TestAmerica Buffalo | SDG: RTL0572

Client: PARS Environmental, Inc. | Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid | Laboratory ID: RTL0572-05 | File ID: F9007.D

Sampled: 12/06/10 11:50 | Prepared: 12/08/10 10:55 | Analyzed: 12/08/10 15:26

Solids: 59.79 | Preparation: 5030B MS | Initial/Final: 5 g / 5 mL

Batch: 10L0624 | Sequence: T005584 | Calibration: R10L016 | Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	8.4	U
79-34-5	1,1,2,2-Tetrachloroethane	1	8.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	8.4	U
79-00-5	1,1,2-Trichloroethane	1	8.4	U
75-34-3	1,1-Dichloroethane	1	8.4	U
75-35-4	1,1-Dichloroethene	1	8.4	U
120-82-1	1,2,4-Trichlorobenzene	1	8.4	U
95-63-6	1,2,4-Trimethylbenzene	1	8.4	U
96-12-8	1,2-Dibromo-3-chloropropane	1	8.4	U
106-93-4	1,2-Dibromoethane (EDB)	1	8.4	U
95-50-1	1,2-Dichlorobenzene	1	8.4	U
107-06-2	1,2-Dichloroethane	1	8.4	U
78-87-5	1,2-Dichloropropane	1	8.4	U
108-67-8	1,3,5-Trimethylbenzene	1	8.4	U
541-73-1	1,3-Dichlorobenzene	1	8.4	U
106-46-7	1,4-Dichlorobenzene	1	8.4	U
78-93-3	2-Butanone (MEK)	1	16	J
591-78-6	2-Hexanone	1	42	U
99-87-6	4-Isopropyltoluene	1	8.4	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	42	U
67-64-1	Acetone	1	70	
71-43-2	Benzene	1	8.4	U
75-27-4	Bromodichloromethane	1	8.4	U
75-25-2	Bromoform	1	8.4	U
74-83-9	Bromomethane	1	8.4	U
75-15-0	Carbon disulfide	1	8.4	U
56-23-5	Carbon Tetrachloride	1	8.4	U
108-90-7	Chlorobenzene	1	8.4	U
124-48-1	Chlorodibromomethane	1	8.4	U
75-00-3	Chloroethane	1	8.4	U
67-66-3	Chloroform	1	8.4	U
74-87-3	Chloromethane	1	8.4	U
156-59-2	cis-1,2-Dichloroethene	1	8.4	U
10061-01-5	cis-1,3-Dichloropropene	1	8.4	U
110-82-7	Cyclohexane	1	8.4	U
75-71-8	Dichlorodifluoromethane	1	8.4	U
100-41-4	Ethylbenzene	1	8.4	U
98-82-8	Isopropylbenzene	1	8.4	U
79-20-9	Methyl Acetate	1	8.4	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SP-5-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-05	File ID:	F9007.D
Sampled:	12/06/10 11:50	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 15:26
Solids:	59.79	Preparation:	5030B MS	Initial/Final:	5 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	8.4	U
108-87-2	Methylcyclohexane	1	8.4	U
75-09-2	Methylene Chloride	1	35	
91-20-3	Naphthalene	1	8.4	U
104-51-8	n-Butylbenzene	1	8.4	U
103-65-1	n-Propylbenzene	1	8.4	U
135-98-8	sec-Butylbenzene	1	8.4	U
100-42-5	Styrene	1	8.4	U
98-06-6	tert-Butylbenzene	1	8.4	U
127-18-4	Tetrachloroethene	1	8.4	U
108-88-3	Toluene	1	8.4	U
156-60-5	trans-1,2-Dichloroethene	1	8.4	U
10061-02-6	trans-1,3-Dichloropropene	1	8.4	U
79-01-6	Trichloroethene	1	8.4	U
75-69-4	Trichlorofluoromethane	1	8.4	U
75-01-4	Vinyl chloride	1	8.4	U
1330-20-7	Xylenes, total	1	17	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
110-54-3	Hexane	4.145	17	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	57.9	116	64 - 126	
4-Bromofluorobenzene	50.0	51.0	102	72 - 126	
Toluene-d8	50.0	49.9	100	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	442369	10.88	390973	10.88	
1,4-Difluorobenzene	774066	5.8	707306	5.8	
Chlorobenzene-d5	388522	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9007.D
Acq On : 8 Dec 2010 15:26
Sample : RTL0572-05
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:28:45 2010

Vial: 13
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	774066	50.00 ug/L	0.00 109.44%
42) CI20	Chlorobenzene-D5	8.59	82	388522	50.00 ug/L	0.00 112.86%
62) CI30	1,4-Dichlorobenzene-	10.88	152	442369	50.00 ug/L	0.00 113.15%
System Monitoring Compounds						
31) CS15	1,2-Dichloroethane-D	5.50	65	288724	57.89 ug/L	0.00
Spiked Amount	50.000	Range 64 - 126		Recovery = 115.78%		
43) CS05	Toluene-D8	7.13	98	1103486	49.94 ug/L	0.00
Spiked Amount	50.000	Range 71 - 125		Recovery = 99.88%		
61) CS10	p-Bromofluorobenzene	9.80	174	358215	51.03 ug/L	0.00
Spiked Amount	50.000	Range 72 - 126		Recovery = 102.06%		
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.	
3) C010	Chloromethane	0.00	50	0	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	2.69	94	131	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluorometha	0.00	101	0	N.D.	
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
10) C030	Methylene chloride	3.82	84	94929	21.12 ug/L	97
11) C040	Carbon disulfide	3.65	76	903	N.D.	
12) C036	Acrolein	0.00	56	0	N.D.	
13) C038	Acrylonitrile	0.00	53	0	N.D.	
14) C035	Acetone	3.47	43	53310	41.74 ug/L	98
15) C300	Acetonitrile	3.82	41	5503	N.D.	
16) C276	Iodomethane	0.00	142	0	N.D.	
17) C255	Methyl Acetate	0.00	43	0	N.D.	
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.	
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.	
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.	
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.	
24) C272	Tetrahydrofuran	5.07	42	501	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	0.00	83	0	N.D.	
27) C256	Cyclohexane	0.00	56	0	N.D.	
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.	
29) C120	Carbon tetrachloride	0.00	117	0	N.D.	
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.	
32) C165	Benzene	0.00	78	0	N.D.	
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34) C110	2-Butanone	4.81	43	20758	9.36 ug/L	93

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9007.D Vial: 13
Acq On : 8 Dec 2010 15:26 Operator: PJQ
Sample : RTL0572-05 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:28:45 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	0.00	83	0	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	0.00	92	0	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	7.13	43	4846	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	0.00	43	0	N.D.	
54)	C235	Chlorobenzene	0.00	112	0	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.68	91	443	N.D.	
57)	C246	m,p-Xylene	0.00	106	0	N.D.	
58)	C247	o-Xylene	0.00	106	0	N.D.	
59)	C245	Styrene	0.00	104	0	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	9.58	105	1734	N.D.	
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	9.99	91	269	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.09	105	924	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	2275	N.D.	
74)	C308	sec-Butylbenzene	10.51	105	2275	N.D.	
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
79)	C310	n-Butylbenzene	10.89	91	879	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.82	128	3407	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

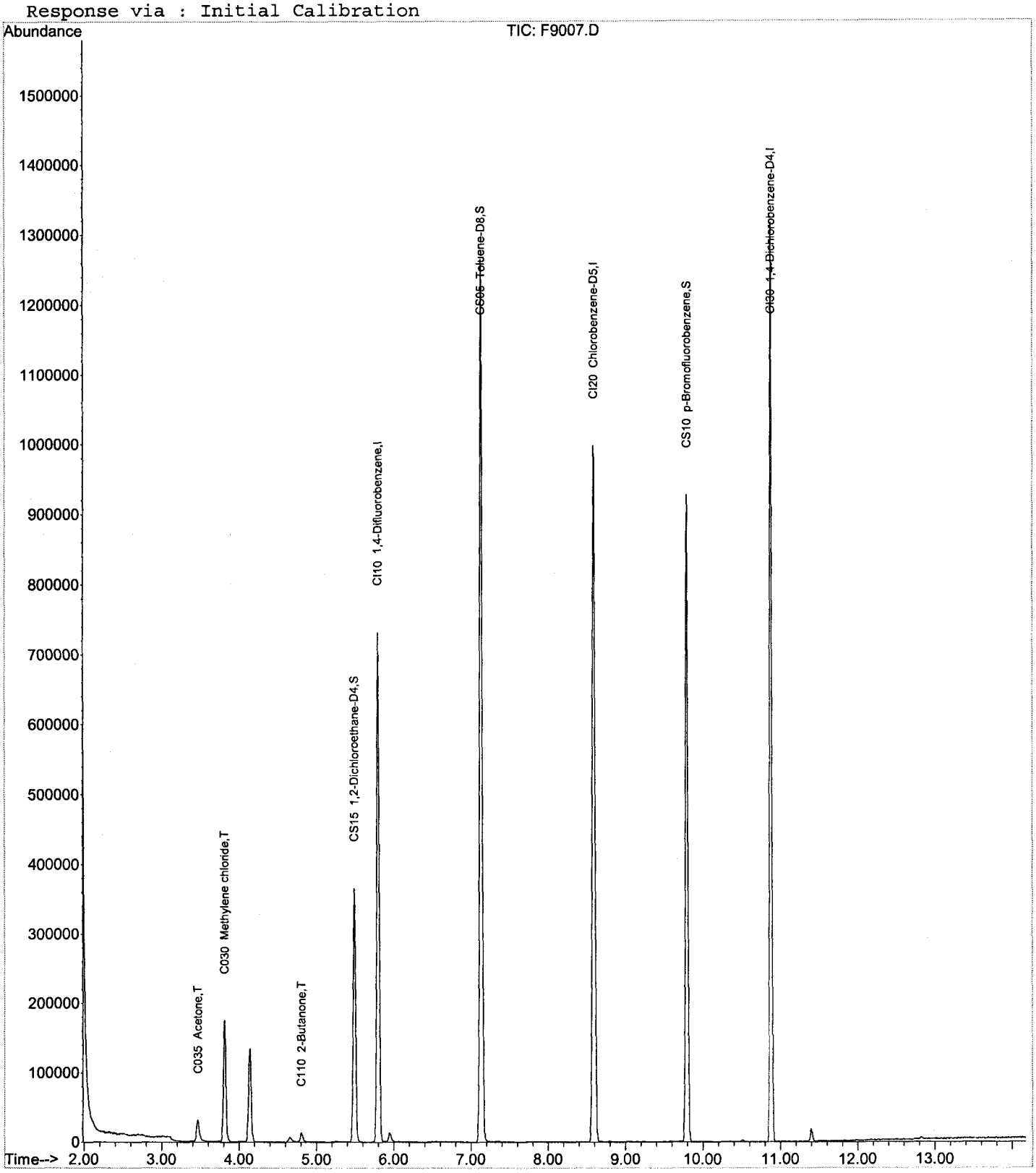
(#) = qualifier out of range (m) = manual integration

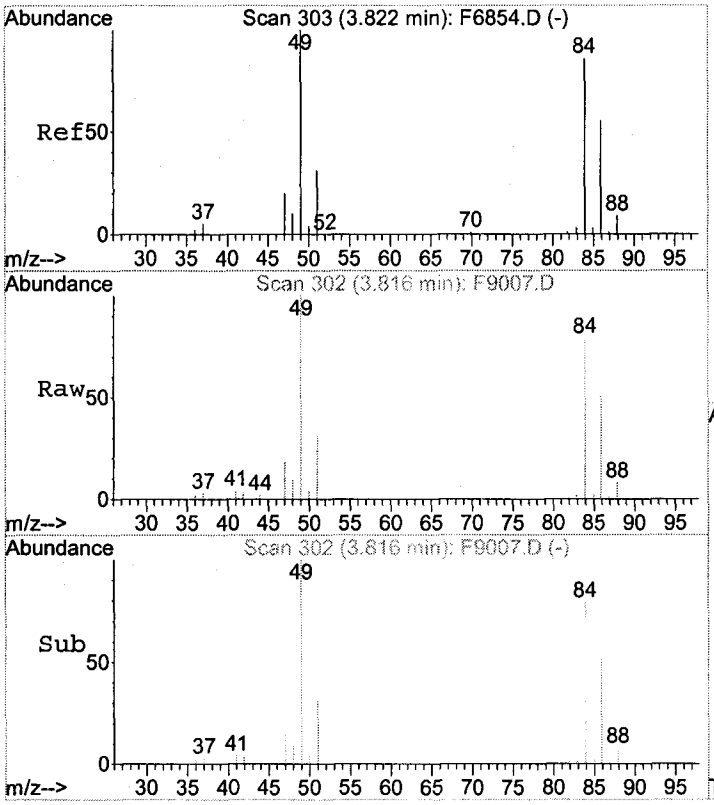
12/14/2010

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9007.D Vial: 13
Acq On : 8 Dec 2010 15:26 Operator: PJQ
Sample : RTL0572-05 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:25 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration

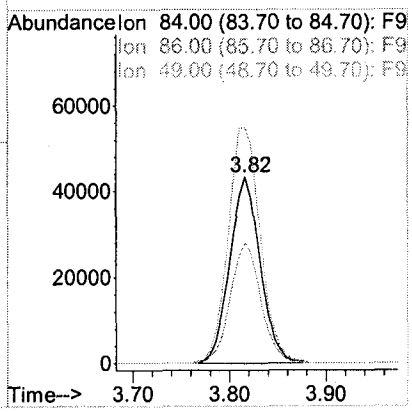


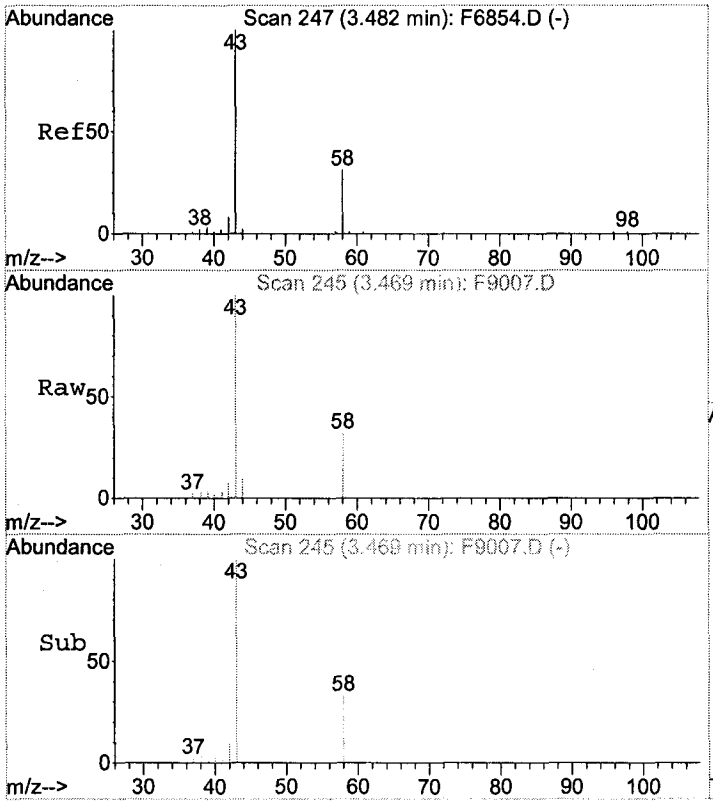


#10
C030 Methylene chloride
Concen: 21.12 ug/L
RT: 3.82 min Scan# 302
Delta R.T. 0.00 min
Lab File: F9007.D
Acq: 8 Dec 2010 15:26

Tgt Ion: 84 Resp: 94929

Ion	Ratio	Lower	Upper
84	100		
86	65.0	40.0	100.0
49	126.6	95.0	155.0

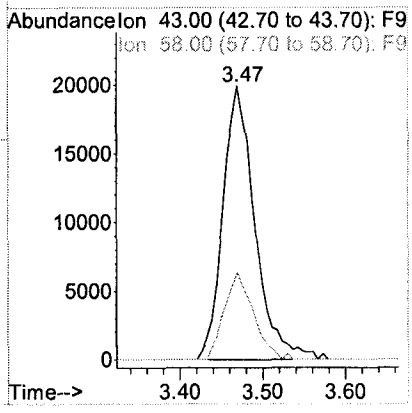


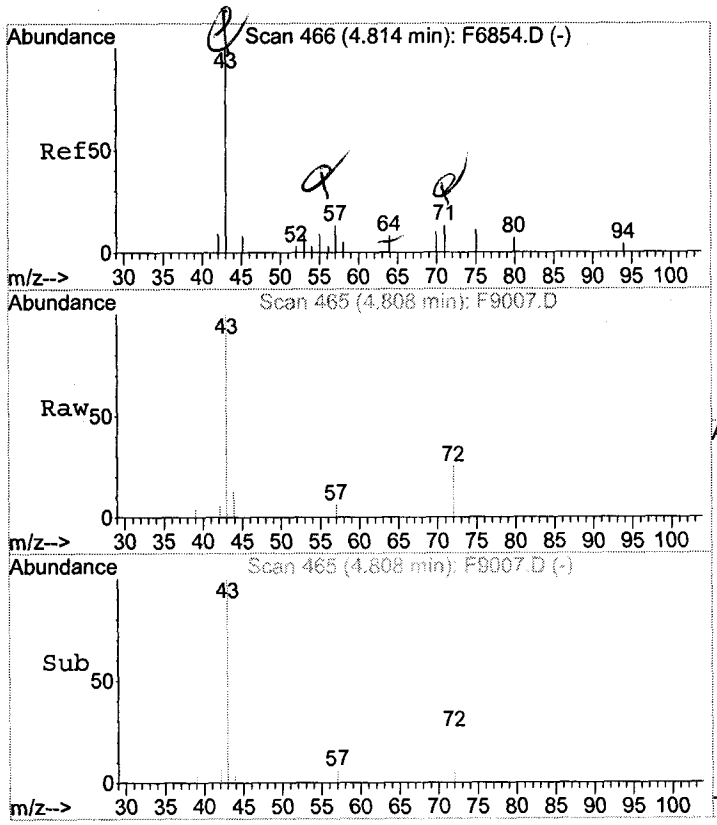


#14
C035 Acetone
Concen: 41.74 ug/L
RT: 3.47 min Scan# 245
Delta R.T. 0.00 min
Lab File: F9007.D
Acq: 8 Dec 2010 15:26

Tgt Ion: 43 Resp: 53310

Ion	Ratio	Lower	Upper
43	100		
58	32.0	3.0	63.0

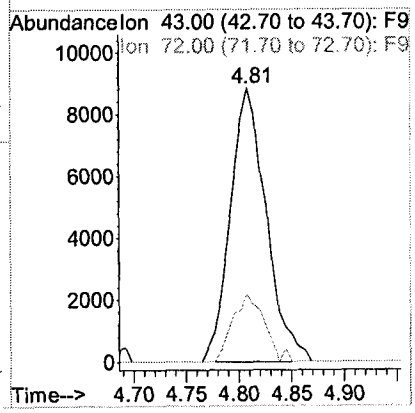




#34
C110 2-Butanone
Concen: 9.36 ug/L
RT: 4.81 min Scan# 465
Delta R.T. 0.01 min
Lab File: F9007.D
Acq: 8 Dec 2010 15:26

Tgt Ion: 43 Resp: 20758

Ion	Ratio	Lower	Upper
43	100		
72	24.7	0.0	58.5



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9007.D
Acq On : 8 Dec 2010 15:26
Sample : RTL0572-05
Misc :
MS Integration Params: Lscint.p

Vial: 13
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

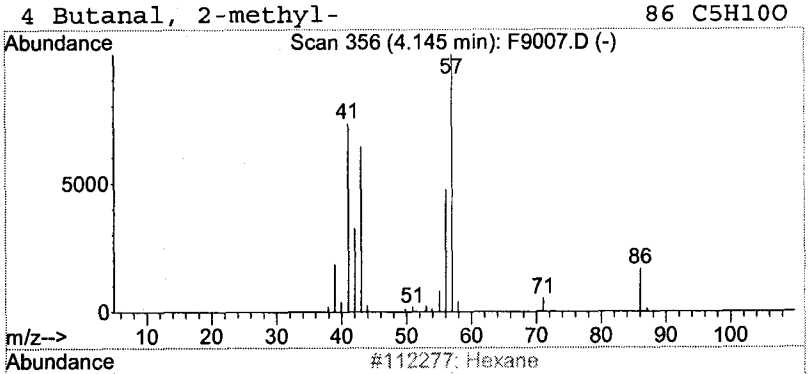
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

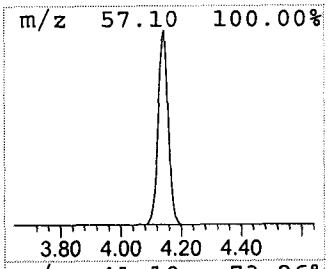
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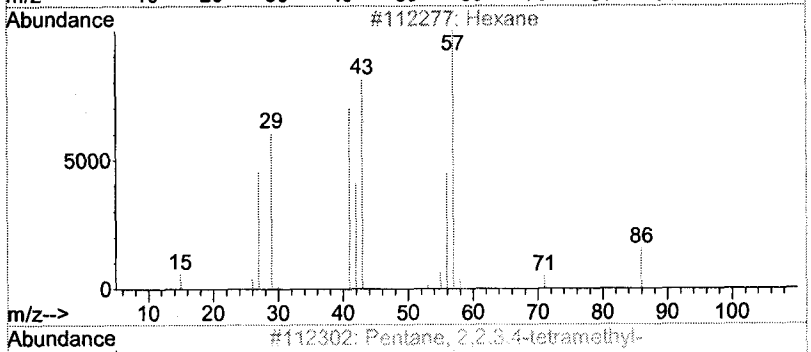
Peak Number 1 Hexane Concentration Rank 1

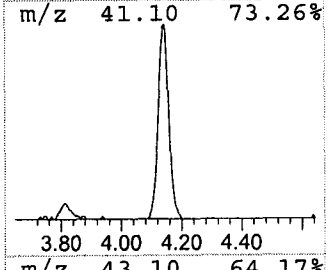
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.14	10.07 ug/L	321882	CI10 1,4-Difluor	1598950	5.80

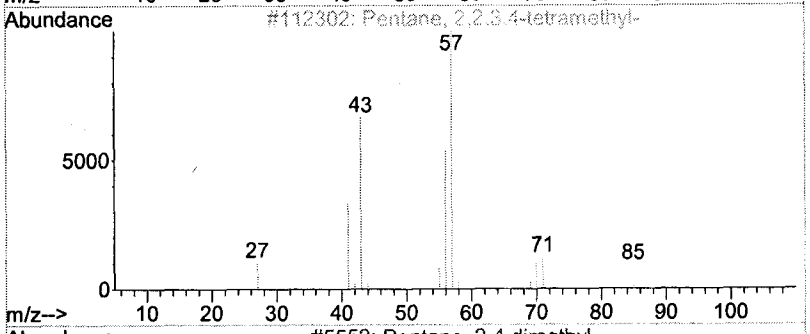
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	38
4	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38

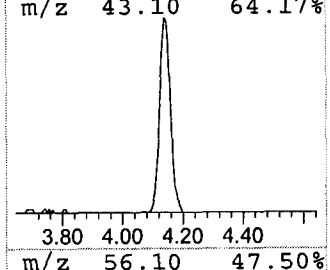


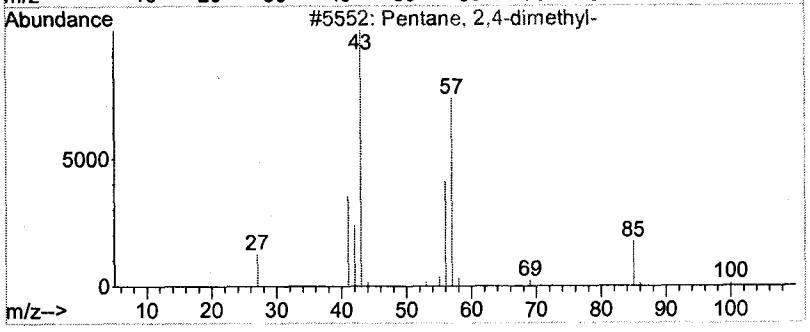


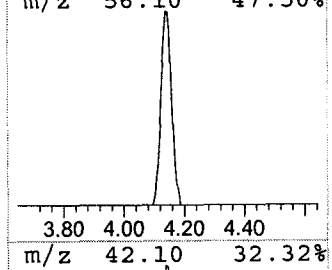


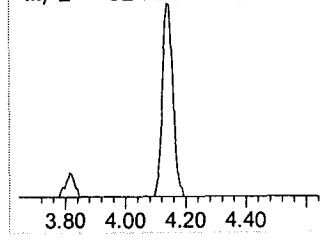












Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 15:26
Data File: H:\GCMS_VOA\F\120810\F9007.D
Name: RTL0572-05
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane	4.14	10.1	ug/L	321882	1	5.80	1598950	50.0

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-6-2-4

Laboratory: TestAmerica Buffalo | SDG: RTL0572

Client: PARS Environmental, Inc. | Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid | Laboratory ID: RTL0572-06 | File ID: F9008.D

Sampled: 12/06/10 12:20 | Prepared: 12/08/10 10:55 | Analyzed: 12/08/10 15:51

Solids: 72.48 | Preparation: 5030B MS | Initial/Final: 5.02 g / 5 mL

Batch: 10L0624 | Sequence: T005584 | Calibration: R10L016 | Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.9	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	6.9	U
79-00-5	1,1,2-Trichloroethane	1	6.9	U
75-34-3	1,1-Dichloroethane	1	6.9	U
75-35-4	1,1-Dichloroethene	1	6.9	U
120-82-1	1,2,4-Trichlorobenzene	1	6.9	U
95-63-6	1,2,4-Trimethylbenzene	1	6.9	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.9	U
106-93-4	1,2-Dibromoethane (EDB)	1	6.9	U
95-50-1	1,2-Dichlorobenzene	1	6.9	U
107-06-2	1,2-Dichloroethane	1	6.9	U
78-87-5	1,2-Dichloropropane	1	6.9	U
108-67-8	1,3,5-Trimethylbenzene	1	6.9	U
541-73-1	1,3-Dichlorobenzene	1	6.9	U
106-46-7	1,4-Dichlorobenzene	1	6.9	U
78-93-3	2-Butanone (MEK)	1	28	J
591-78-6	2-Hexanone	1	34	U
99-87-6	4-Isopropyltoluene	1	6.9	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	34	U
67-64-1	Acetone	1	120	
71-43-2	Benzene	1	6.9	U
75-27-4	Bromodichloromethane	1	6.9	U
75-25-2	Bromoform	1	6.9	U
74-83-9	Bromomethane	1	6.9	U
75-15-0	Carbon disulfide	1	6.9	U
56-23-5	Carbon Tetrachloride	1	6.9	U
108-90-7	Chlorobenzene	1	6.9	U
124-48-1	Chlorodibromomethane	1	6.9	U
75-00-3	Chloroethane	1	6.9	U
67-66-3	Chloroform	1	6.9	U
74-87-3	Chloromethane	1	6.9	U
156-59-2	cis-1,2-Dichloroethene	1	6.9	U
10061-01-5	cis-1,3-Dichloropropene	1	6.9	U
110-82-7	Cyclohexane	1	6.9	U
75-71-8	Dichlorodifluoromethane	1	6.9	U
100-41-4	Ethylbenzene	1	6.9	U
98-82-8	Isopropylbenzene	1	6.9	U
79-20-9	Methyl Acetate	1	6.9	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-6-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-06	File ID:	F9008.D
Sampled:	12/06/10 12:20	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 15:51
Solids:	72.48	Preparation:	5030B MS	Initial/Final:	5.02 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	6.9	U
108-87-2	Methylcyclohexane	1	6.9	U
75-09-2	Methylene Chloride	1	31	
91-20-3	Naphthalene	1	6.9	U
104-51-8	n-Butylbenzene	1	6.9	U
103-65-1	n-Propylbenzene	1	6.9	U
135-98-8	sec-Butylbenzene	1	6.9	U
100-42-5	Styrene	1	6.9	U
98-06-6	tert-Butylbenzene	1	6.9	U
127-18-4	Tetrachloroethene	1	6.9	U
108-88-3	Toluene	1	6.9	U
156-60-5	trans-1,2-Dichloroethene	1	6.9	U
10061-02-6	trans-1,3-Dichloropropene	1	6.9	U
79-01-6	Trichloroethene	1	6.9	U
75-69-4	Trichlorofluoromethane	1	6.9	U
75-01-4	Vinyl chloride	1	6.9	U
1330-20-7	Xylenes, total	1	14	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
110-54-3	Hexane	4.151	14	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	61.2	122	64 - 126	
4-Bromofluorobenzene	50.0	52.6	105	72 - 126	
Toluene-d8	50.0	52.4	105	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	403522	10.88	390973	10.88	
1,4-Difluorobenzene	718069	5.81	707306	5.8	
Chlorobenzene-d5	358373	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9008.D Vial: 14
Acq On : 8 Dec 2010 15:51 Operator: PJQ
Sample : RTL0572-06 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:28:50 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.81	114	718069	50.00	ug/L	0.00 101.52%
42) CI20	Chlorobenzene-D5	8.59	82	358373	50.00	ug/L	0.00 104.10%
62) CI30	1,4-Dichlorobenzene-	10.88	152	403522	50.00	ug/L	0.00 103.21%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	283007	61.17	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	122.34%		
43) CS05	Toluene-D8	7.14	98	1068458	52.43	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	104.86%		
61) CS10	p-Bromofluorobenzene	9.80	174	340928	52.65	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	105.30%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	3.82	84	94923	22.76	ug/L	92
11) C040	Carbon disulfide	3.65	76	4953	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	3.48	43	106843	90.17	ug/L	94
15) C300	Acetonitrile	3.76	41	713	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C256	Cyclohexane	0.00	56	0	N.D.		
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	5.52	78	1014	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	4.81	43	41784	20.30	ug/L	90

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9008.D
Acq On : 8 Dec 2010 15:51
Sample : RTL0572-06
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:28:50 2010

Vial: 14
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	0.00	83	0	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	734	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	7.14	43	5093	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	0.00	43	0	N.D.	
54)	C235	Chlorobenzene	0.00	112	0	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.69	91	512	N.D.	
57)	C246	m,p-Xylene	8.80	106	675	N.D.	
58)	C247	o-Xylene	0.00	106	0	N.D.	
59)	C245	Styrene	0.00	104	0	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	0.00	105	0	N.D.	
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	9.99	91	141	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.15	105	316	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	2583	N.D.	
74)	C308	sec-Butylbenzene	10.51	105	2583	N.D.	
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	10.78	119	138	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
79)	C310	n-Butylbenzene	10.88	91	684	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.82	128	4948	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

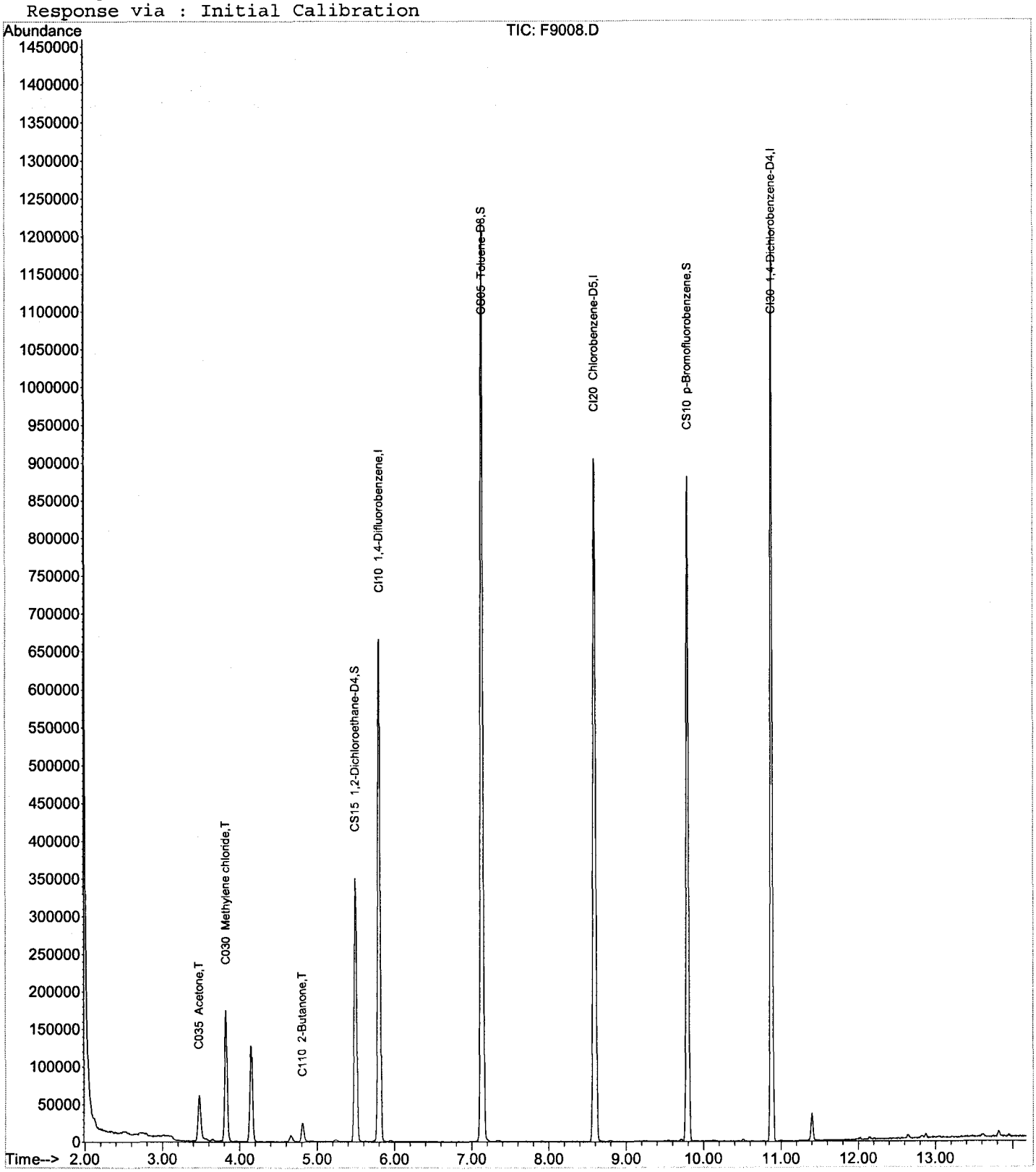
(#) = qualifier out of range (m) = manual integration

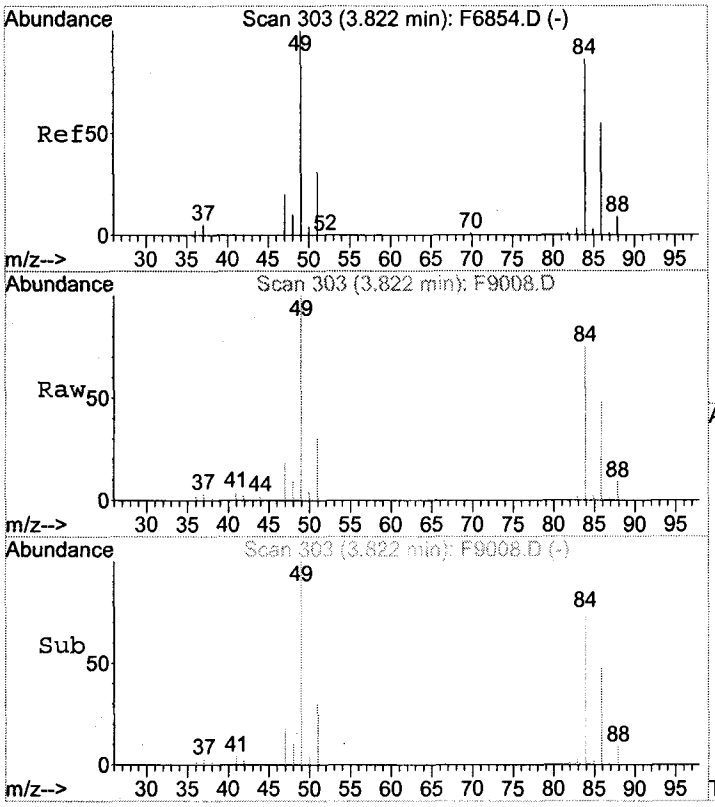
12/14/2010

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9008.D Vial: 14
Acq On : 8 Dec 2010 15:51 Operator: PJQ
Sample : RTL0572-06 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:25 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration

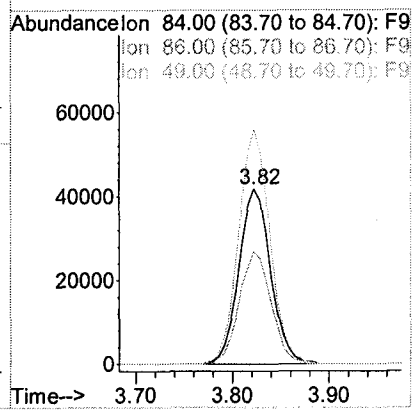


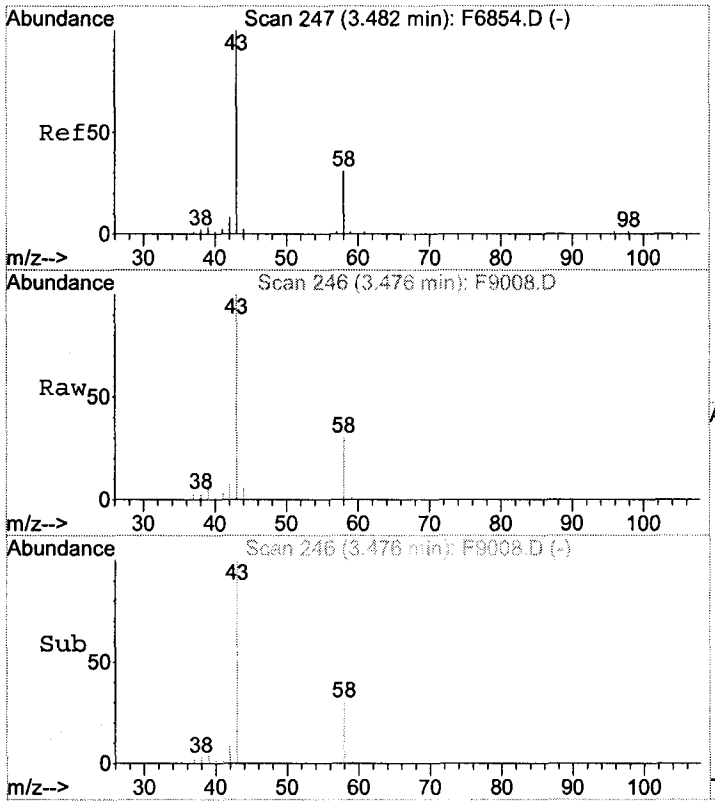


#10
C030 Methylene chloride
Concen: 22.76 ug/L
RT: 3.82 min Scan# 303
Delta R.T. 0.01 min
Lab File: F9008.D
Acq: 8 Dec 2010 15:51

Tgt Ion: 84 Resp: 94923

Ion	Ratio	Lower	Upper
84	100		
86	64.3	40.0	100.0
49	134.1	95.0	155.0

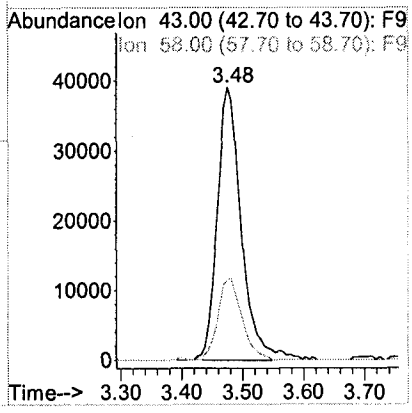


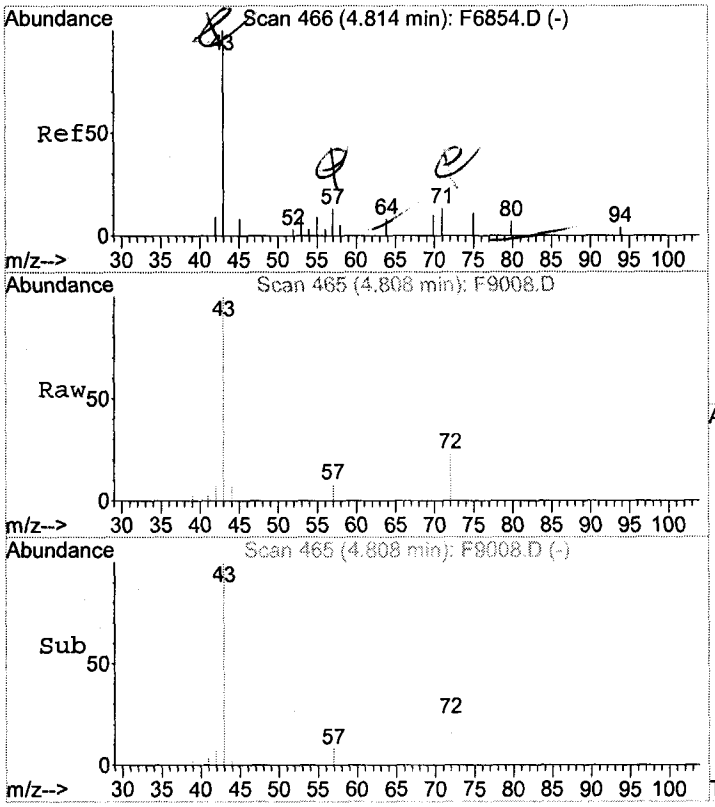


#14
C035 Acetone
Concen: 90.17 ug/L
RT: 3.48 min Scan# 246
Delta R.T. 0.01 min
Lab File: F9008.D
Acq: 8 Dec 2010 15:51

Tgt Ion: 43 Resp: 106843

Ion	Ratio	Lower	Upper
43	100		
58	29.6	3.0	63.0

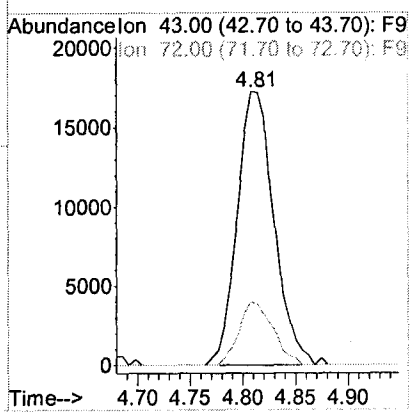




#34
C110 2-Butanone
Concen: 20.30 ug/L
RT: 4.81 min Scan# 465
Delta R.T. 0.01 min
Lab File: F9008.D
Acq: 8 Dec 2010 15:51

Tgt Ion: 43 Resp: 41784

Ion	Ratio	Lower	Upper
43	100		
72	23.2	0.0	58.5



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9008.D
Acq On : 8 Dec 2010 15:51
Sample : RTL0572-06
Misc :
MS Integration Params: Lscint.p

Vial: 14
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

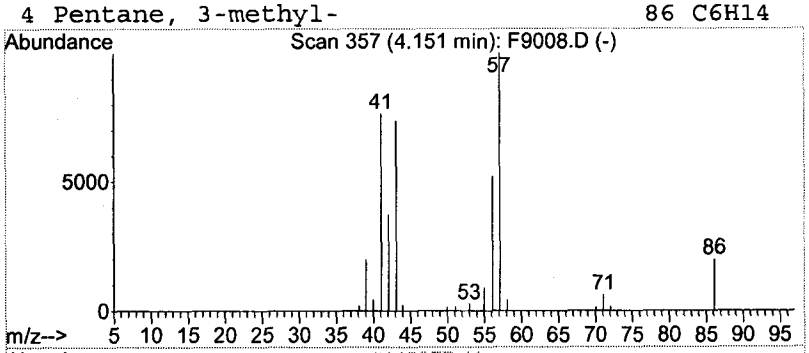
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

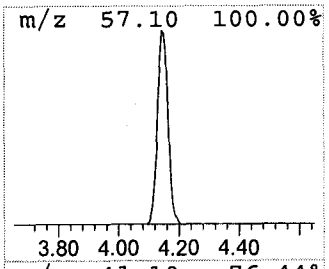
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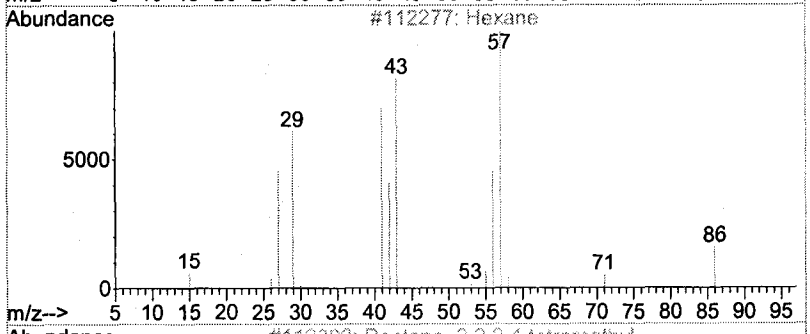
Peak Number 1 Hexane Concentration Rank 1

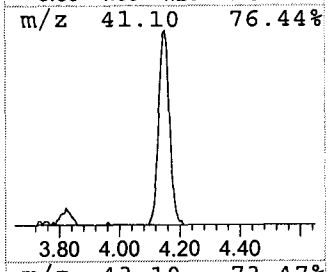
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.15	10.43 ug/L	309331	CI10 1,4-Difluor	1483280	5.81

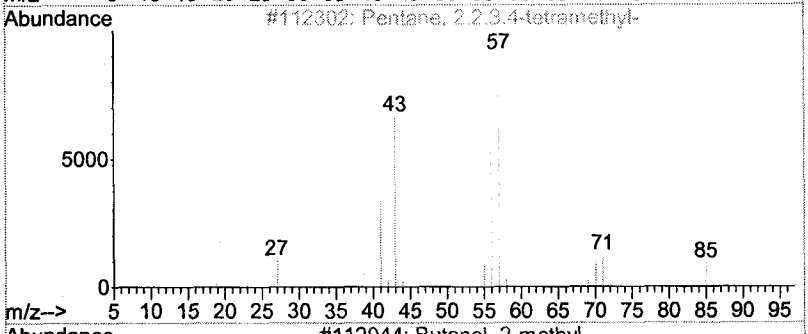
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
3	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38
4	Pentane, 3-methyl-	86	C6H14	000096-14-0	37

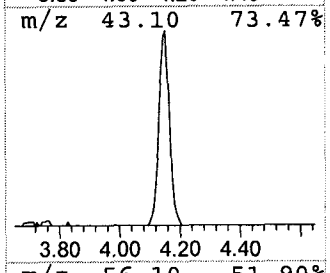


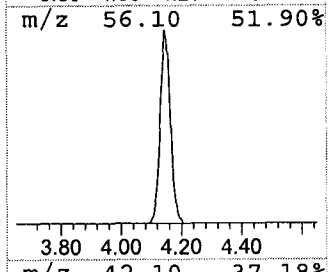


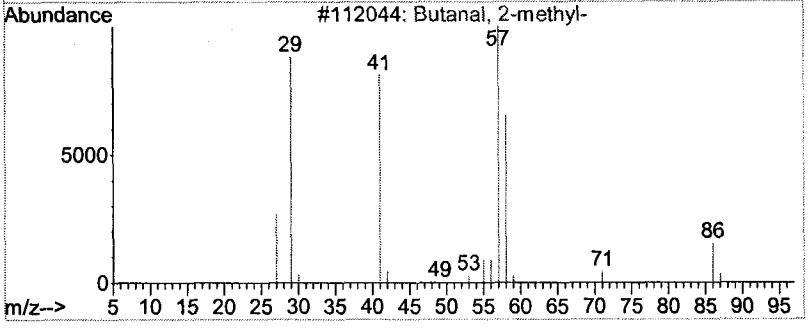


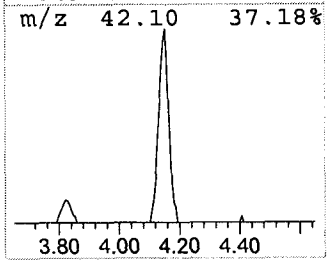












Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 15:51
Data File: H:\GCMS_VOA\F\120810\F9008.D
Name: RTL0572-06
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane	4.15	10.4	ug/L	309331	1	5.81	1483280	50.0

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SP-7-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-07	File ID:	F9009.D
Sampled:	12/06/10 12:40	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 16:17
Solids:	78.89	Preparation:	5030B MS	Initial/Final:	5.14 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	6.2	U
79-00-5	1,1,2-Trichloroethane	1	6.2	U
75-34-3	1,1-Dichloroethane	1	6.2	U
75-35-4	1,1-Dichloroethene	1	6.2	U
120-82-1	1,2,4-Trichlorobenzene	1	6.2	U
95-63-6	1,2,4-Trimethylbenzene	1	6.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.2	U
106-93-4	1,2-Dibromoethane (EDB)	1	6.2	U
95-50-1	1,2-Dichlorobenzene	1	6.2	U
107-06-2	1,2-Dichloroethane	1	6.2	U
78-87-5	1,2-Dichloropropane	1	6.2	U
108-67-8	1,3,5-Trimethylbenzene	1	6.2	U
541-73-1	1,3-Dichlorobenzene	1	6.2	U
106-46-7	1,4-Dichlorobenzene	1	6.2	U
78-93-3	2-Butanone (MEK)	1	31	U
591-78-6	2-Hexanone	1	31	U
99-87-6	4-Isopropyltoluene	1	6.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	31	U
67-64-1	Acetone	1	38	
71-43-2	Benzene	1	6.2	U
75-27-4	Bromodichloromethane	1	6.2	U
75-25-2	Bromoform	1	6.2	U
74-83-9	Bromomethane	1	6.2	U
75-15-0	Carbon disulfide	1	6.2	U
56-23-5	Carbon Tetrachloride	1	6.2	U
108-90-7	Chlorobenzene	1	6.2	U
124-48-1	Chlorodibromomethane	1	6.2	U
75-00-3	Chloroethane	1	6.2	U
67-66-3	Chloroform	1	6.2	U
74-87-3	Chloromethane	1	6.2	U
156-59-2	cis-1,2-Dichloroethene	1	6.2	U
10061-01-5	cis-1,3-Dichloropropene	1	6.2	U
110-82-7	Cyclohexane	1	6.2	U
75-71-8	Dichlorodifluoromethane	1	6.2	U
100-41-4	Ethylbenzene	1	6.2	U
98-82-8	Isopropylbenzene	1	6.2	U
79-20-9	Methyl Acetate	1	6.2	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-7-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-07	File ID:	F9009.D
Sampled:	12/06/10 12:40	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 16:17
Solids:	78.89	Preparation:	5030B MS	Initial/Final:	5.14 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	6.2	U
108-87-2	Methylcyclohexane	1	6.2	U
75-09-2	Methylene Chloride	1	31	
91-20-3	Naphthalene	1	6.2	U
104-51-8	n-Butylbenzene	1	6.2	U
103-65-1	n-Propylbenzene	1	6.2	U
135-98-8	sec-Butylbenzene	1	6.2	U
100-42-5	Styrene	1	6.2	U
98-06-6	tert-Butylbenzene	1	6.2	U
127-18-4	Tetrachloroethene	1	6.2	U
108-88-3	Toluene	1	6.2	U
156-60-5	trans-1,2-Dichloroethene	1	6.2	U
10061-02-6	trans-1,3-Dichloropropene	1	6.2	U
79-01-6	Trichloroethene	1	6.2	U
75-69-4	Trichlorofluoromethane	1	6.2	U
75-01-4	Vinyl chloride	1	6.2	U
1330-20-7	Xylenes, total	1	12	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
110-54-3	Hexane	4.145	12	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	55.2	110	64 - 126	
4-Bromofluorobenzene	50.0	50.5	101	72 - 126	
Toluene-d8	50.0	50.2	100	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	392356	10.88	390973	10.88	
1,4-Difluorobenzene	736013	5.81	707306	5.8	
Chlorobenzene-d5	368214	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9009.D
Acq On : 8 Dec 2010 16:17
Sample : RTL0572-07
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:28:55 2010

Vial: 15
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.81	114	736013	50.00	ug/L	0.00 104.06%
42) CI20	Chlorobenzene-D5	8.59	82	368214	50.00	ug/L	0.00 106.96%
62) CI30	1,4-Dichlorobenzene-	10.88	152	392356	50.00	ug/L	0.00 100.35%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	261929	55.23	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery	=	110.46%	
43) CS05	Toluene-D8	7.14	98	1050289	50.16	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery	=	100.32%	
61) CS10	p-Bromofluorobenzene	9.80	174	335727	50.46	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery	=	100.92%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	3.82	84	106611	24.94	ug/L	95
11) C040	Carbon disulfide	3.65	76	520	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	3.48	43	37434	30.82	ug/L	89
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	4.82	96	304	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C256	Cyclohexane	5.23	56	534	N.D.		
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	5.52	78	965	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	4.81	43	7383	N.D.		

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9009.D Vial: 15
Acq On : 8 Dec 2010 16:17 Operator: PJQ
Sample : RTL0572-07 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:28:55 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	6.19	83	1149	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	1747	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	7.14	43	5065	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	0.00	43	0	N.D.	
54)	C235	Chlorobenzene	0.00	112	0	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.69	91	8206	N.D.	
57)	C246	m,p-Xylene	8.79	106	10474	N.D.	
58)	C247	o-Xylene	9.24	106	3172	N.D.	
59)	C245	Styrene	0.00	104	0	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	9.58	105	186	N.D.	
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	9.79	91	804	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.15	105	367	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	2529	N.D.	
74)	C308	sec-Butylbenzene	10.51	105	2529	N.D.	
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
79)	C310	n-Butylbenzene	10.89	91	696	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.82	128	3851	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

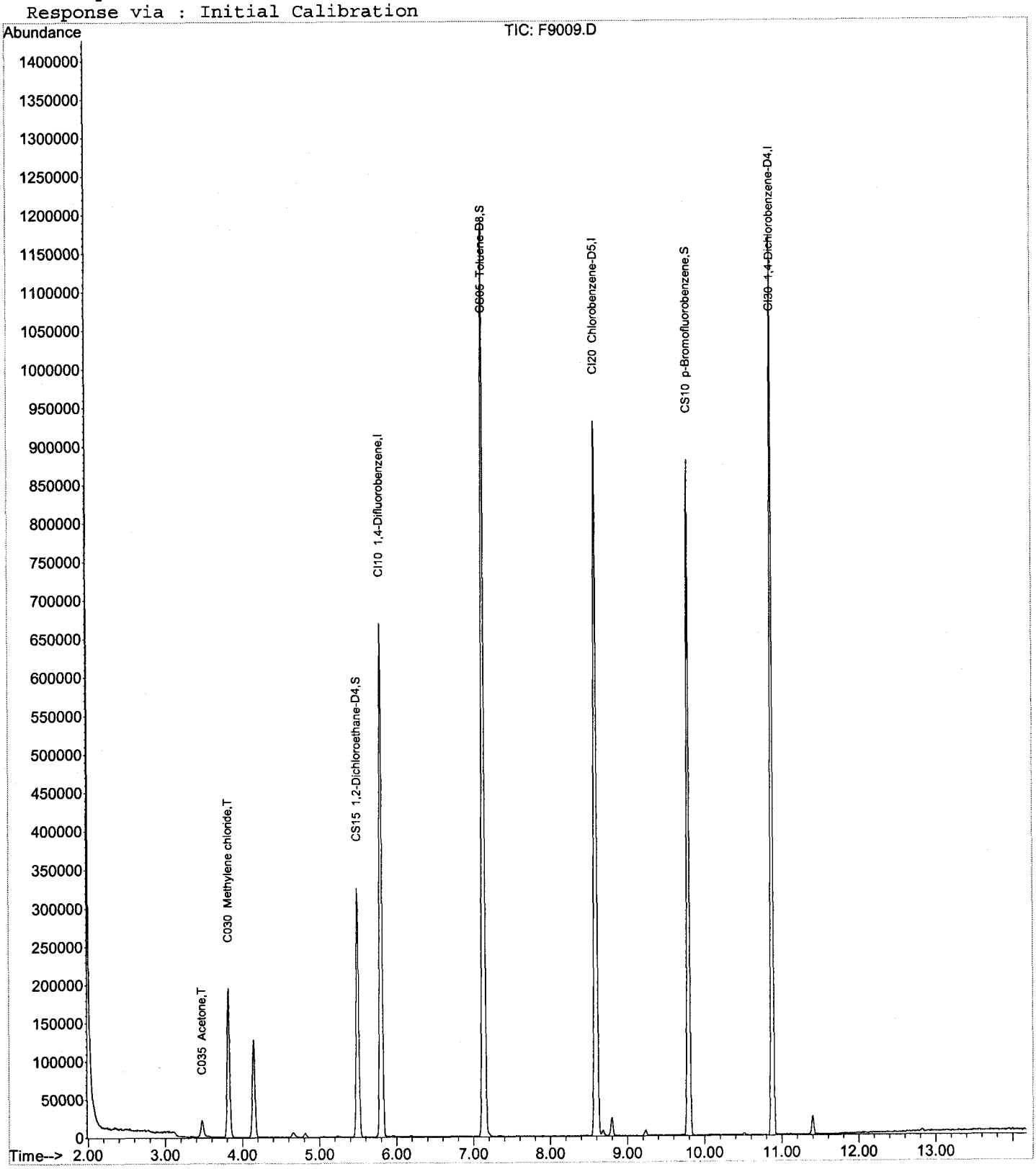
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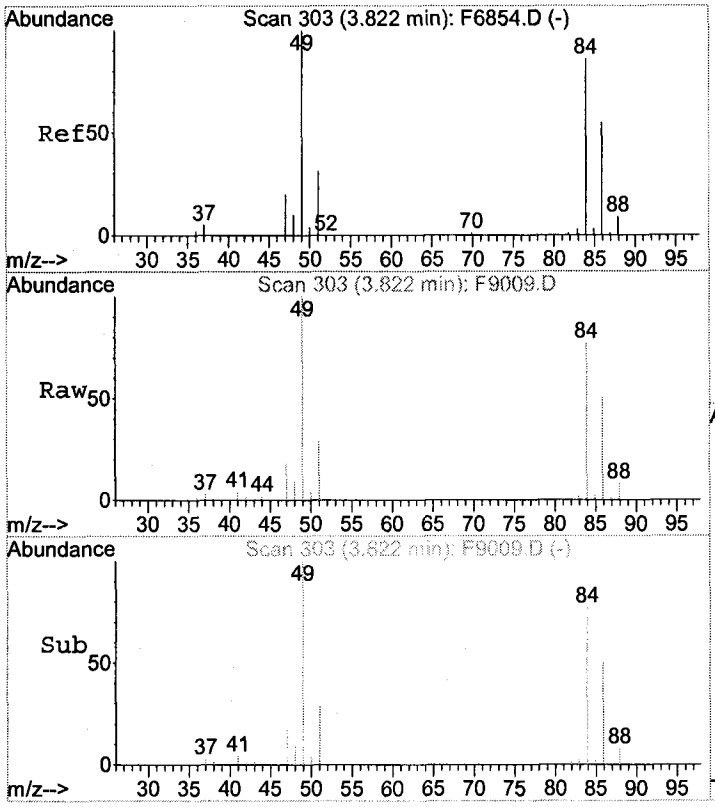
12/14/10

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9009.D Vial: 15
Acq On : 8 Dec 2010 16:17 Operator: PJQ
Sample : RTL0572-07 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:25 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration

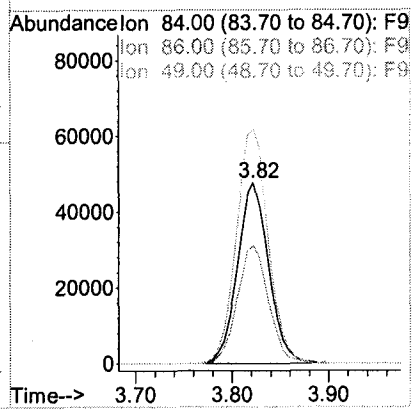


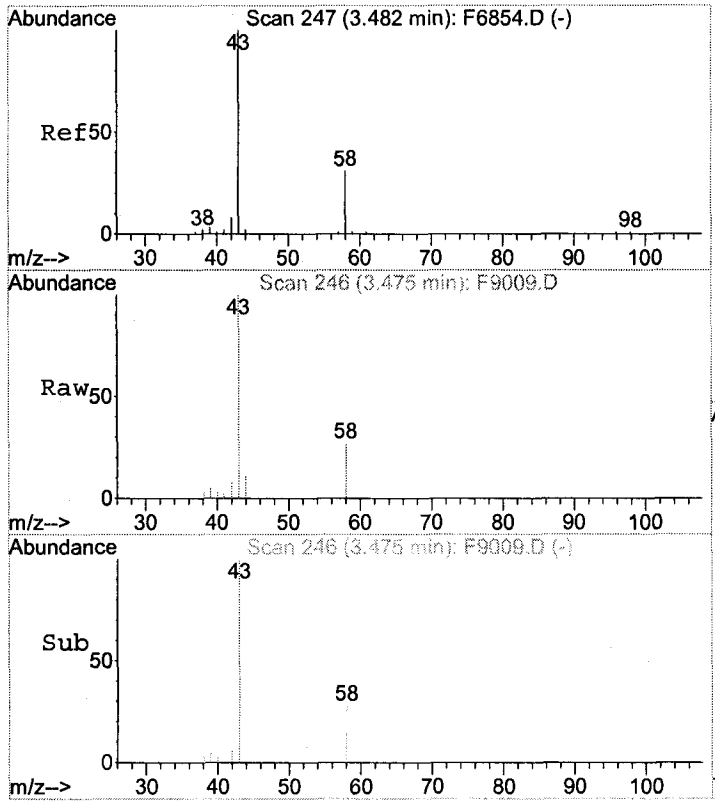


#10
C030 Methylene chloride
Concen: 24.94 ug/L
RT: 3.82 min Scan# 303
Delta R.T. 0.01 min
Lab File: F9009.D
Acq: 8 Dec 2010 16:17

Tgt Ion: 84 Resp: 106611

Ion	Ratio	Lower	Upper
84	100		
86	64.8	40.0	100.0
49	130.1	95.0	155.0

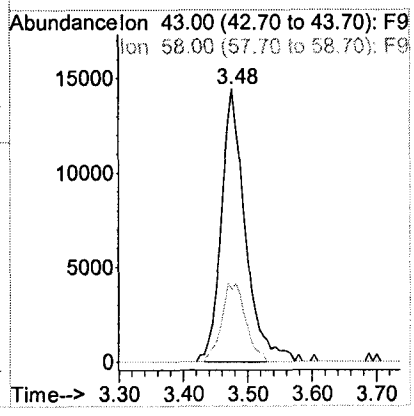




#14
C035 Acetone
Concen: 30.82 ug/L
RT: 3.48 min Scan# 246
Delta R.T. 0.01 min
Lab File: F9009.D
Acq: 8 Dec 2010 16:17

Tgt Ion: 43 Resp: 37434

Ion	Ratio	Lower	Upper
43	100		
58	26.6	3.0	63.0



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9009.D
Acq On : 8 Dec 2010 16:17
Sample : RTL0572-07
Misc :
MS Integration Params: Lscint.p

Vial: 15
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

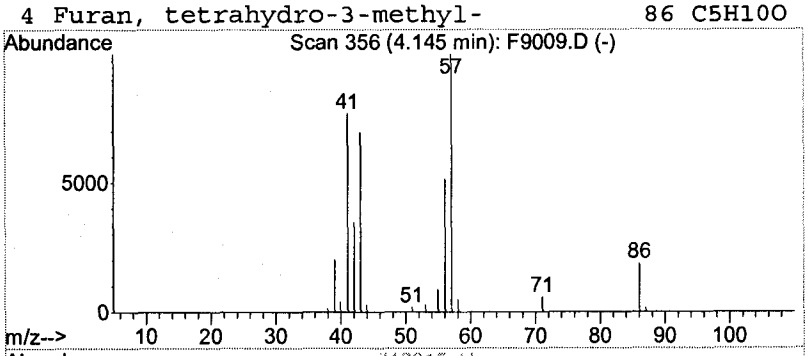
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

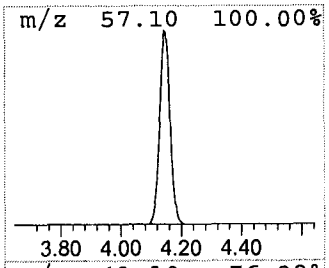
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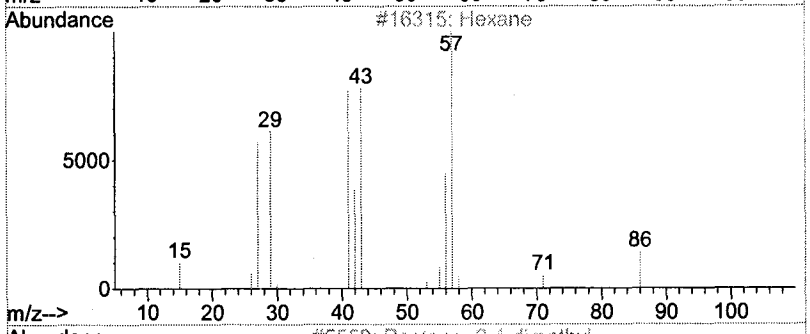
Peak Number 1 Hexane — Concentration Rank 1

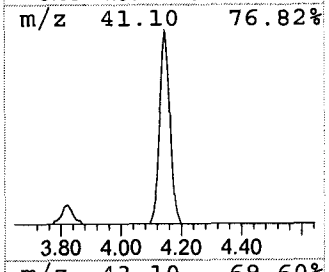
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.14	10.02 ug/L	302527	CI10 1,4-Difluor	1509730	5.81

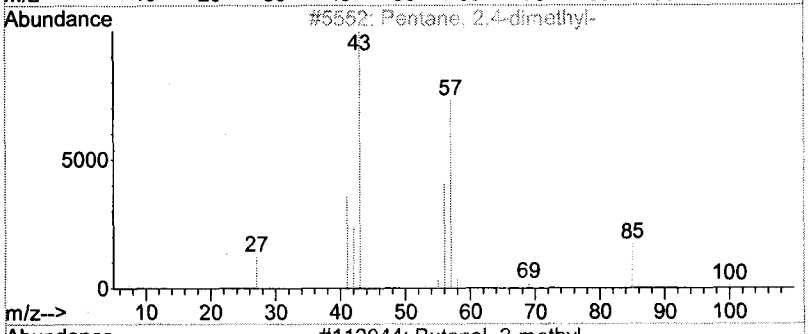
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	38
3	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	37

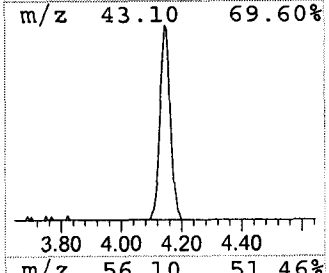


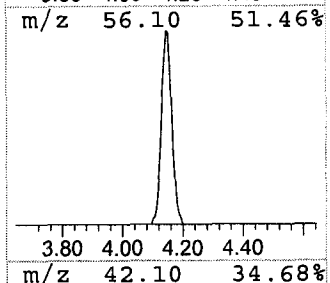


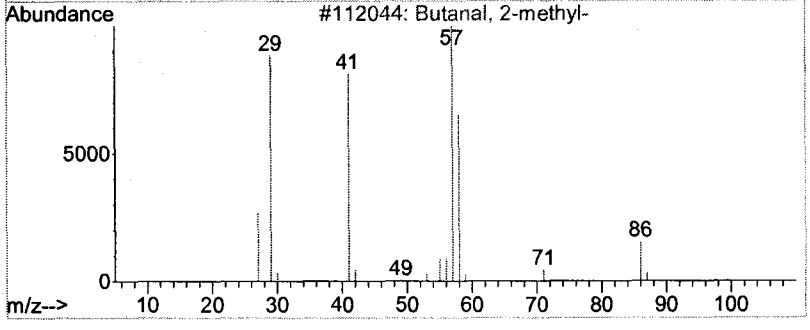


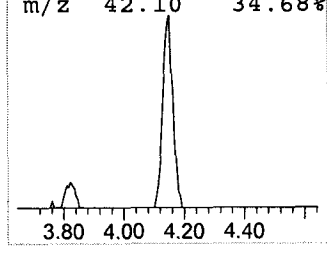












Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 16:17
Data File: H:\GCMS_VOA\F\120810\F9009.D
Name: RTL0572-07
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane	4.14	10.0	ug/L	302527	1	5.81	1509730	50.0

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SP-8-4-6

Laboratory:	TestAmerica Buffalo		SDG:	RTL0572	
Client:	PARS Environmental, Inc.		Project:	NF Armed Forces Reserve Center Solids Testing	
Matrix:	Solid	Laboratory ID:	RTL0572-08	File ID:	F9010.D
Sampled:	12/06/10 13:00	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 16:42
Solids:	81.04	Preparation:	5030B MS	Initial/Final:	5.06 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	6.1	U
79-00-5	1,1,2-Trichloroethane	1	6.1	U
75-34-3	1,1-Dichloroethane	1	6.1	U
75-35-4	1,1-Dichloroethene	1	6.1	U
120-82-1	1,2,4-Trichlorobenzene	1	6.1	U
95-63-6	1,2,4-Trimethylbenzene	1	6.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.1	U
106-93-4	1,2-Dibromoethane (EDB)	1	6.1	U
95-50-1	1,2-Dichlorobenzene	1	6.1	U
107-06-2	1,2-Dichloroethane	1	6.1	U
78-87-5	1,2-Dichloropropane	1	6.1	U
108-67-8	1,3,5-Trimethylbenzene	1	6.1	U
541-73-1	1,3-Dichlorobenzene	1	6.1	U
106-46-7	1,4-Dichlorobenzene	1	6.1	U
78-93-3	2-Butanone (MEK)	1	30	U
591-78-6	2-Hexanone	1	30	U
99-87-6	4-Isopropyltoluene	1	6.1	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	30	U
67-64-1	Acetone	1	38	
71-43-2	Benzene	1	6.1	U
75-27-4	Bromodichloromethane	1	6.1	U
75-25-2	Bromoform	1	6.1	U
74-83-9	Bromomethane	1	6.1	U
75-15-0	Carbon disulfide	1	6.1	U
56-23-5	Carbon Tetrachloride	1	6.1	U
108-90-7	Chlorobenzene	1	6.1	U
124-48-1	Chlorodibromomethane	1	6.1	U
75-00-3	Chloroethane	1	6.1	U
67-66-3	Chloroform	1	6.1	U
74-87-3	Chloromethane	1	6.1	U
156-59-2	cis-1,2-Dichloroethene	1	6.1	U
10061-01-5	cis-1,3-Dichloropropene	1	6.1	U
110-82-7	Cyclohexane	1	6.1	U
75-71-8	Dichlorodifluoromethane	1	6.1	U
100-41-4	Ethylbenzene	1	6.1	U
98-82-8	Isopropylbenzene	1	6.1	U
79-20-9	Methyl Acetate	1	6.1	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SP-8-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-08	File ID:	F9010.D
Sampled:	12/06/10 13:00	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 16:42
Solids:	81.04	Preparation:	5030B MS	Initial/Final:	5.06 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	6.1	U
108-87-2	Methylcyclohexane	1	6.1	U
75-09-2	Methylene Chloride	1	30	
91-20-3	Naphthalene	1	6.1	U
104-51-8	n-Butylbenzene	1	6.1	U
103-65-1	n-Propylbenzene	1	6.1	U
135-98-8	sec-Butylbenzene	1	6.1	U
100-42-5	Styrene	1	6.1	U
98-06-6	tert-Butylbenzene	1	6.1	U
127-18-4	Tetrachloroethene	1	6.1	U
108-88-3	Toluene	1	6.1	U
156-60-5	trans-1,2-Dichloroethene	1	6.1	U
10061-02-6	trans-1,3-Dichloropropene	1	6.1	U
79-01-6	Trichloroethene	1	6.1	U
75-69-4	Trichlorofluoromethane	1	6.1	U
75-01-4	Vinyl chloride	1	6.1	U
1330-20-7	Xylenes, total	1	12	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
110-54-3	Hexane	4.151	12	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	56.8	114	64 - 126	
4-Bromofluorobenzene	50.0	52.2	104	72 - 126	
Toluene-d8	50.0	52.7	105	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	391271	10.89	390973	10.88	
1,4-Difluorobenzene	702033	5.81	707306	5.8	
Chlorobenzene-d5	346221	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9010.D
Acq On : 8 Dec 2010 16:42
Sample : RTL0572-08
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:29:00 2010

Vial: 16
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.81	114	702033	50.00	ug/L	0.00 99.25%
42) CI20	Chlorobenzene-D5	8.59	82	346221	50.00	ug/L	0.00 100.57%
62) CI30	1,4-Dichlorobenzene-	10.89	152	391271	50.00	ug/L	0.00 100.08%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	257050	56.83	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	113.66%		
43) CS05	Toluene-D8	7.14	98	1037421	52.69	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	105.38%		
61) CS10	p-Bromofluorobenzene	9.80	174	326663	52.22	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	104.44%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	3.82	84	99344	24.37	ug/L	94
11) C040	Carbon disulfide	3.64	76	914	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	3.48	43	36375	31.40	ug/L	95
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C256	Cyclohexane	0.00	56	0	N.D.		
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	0.00	78	0	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	4.81	43	4552	N.D.		

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9010.D Vial: 16
Acq On : 8 Dec 2010 16:42 Operator: PJQ
Sample : RTL0572-08 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:29:00 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	0.00	83	0	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.21	92	457	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	7.14	43	4623	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	7.91	43	459	N.D.	
54)	C235	Chlorobenzene	0.00	112	0	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.60	91	769	N.D.	
57)	C246	m,p-Xylene	0.00	106	0	N.D.	
58)	C247	o-Xylene	0.00	106	0	N.D.	
59)	C245	Styrene	0.00	104	0	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	0.00	105	0	N.D.	
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	9.80	91	576	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.08	105	449	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	1748	N.D.	
74)	C308	sec-Butylbenzene	10.51	105	1748	N.D.	
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
79)	C310	n-Butylbenzene	10.88	91	635	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.83	128	3776	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

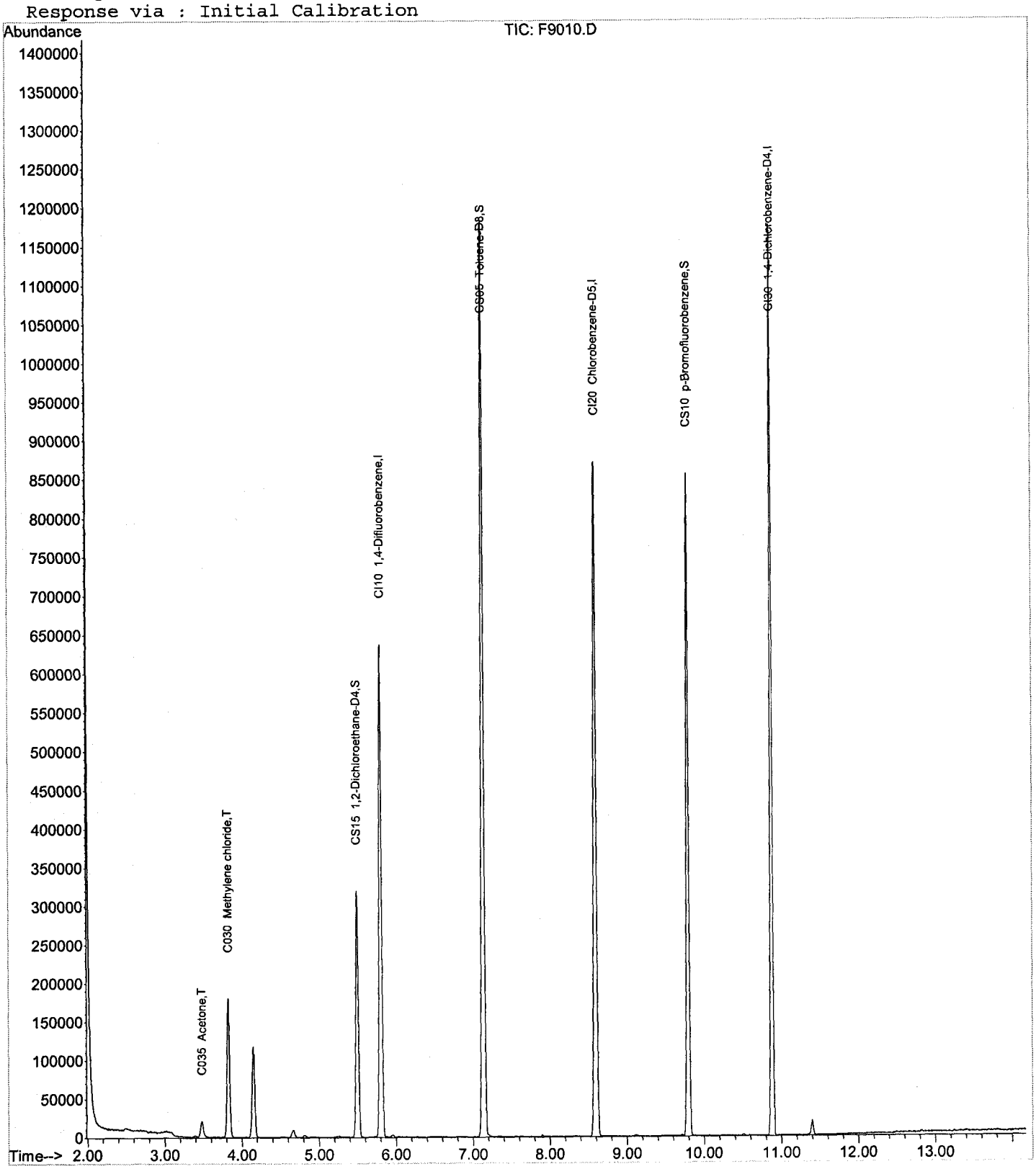
(#) = qualifier out of range (m) = manual integration

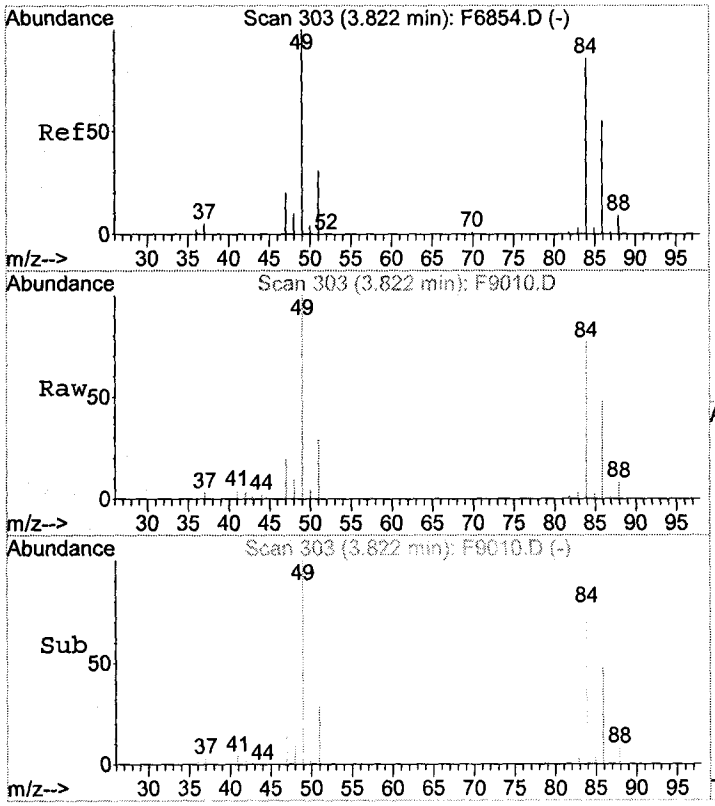
12/14/10

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9010.D Vial: 16
Acq On : 8 Dec 2010 16:42 Operator: PJQ
Sample : RTL0572-08 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:25 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration

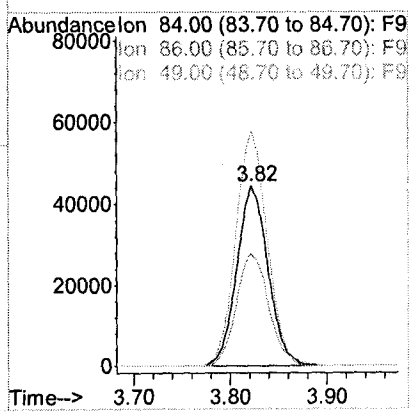


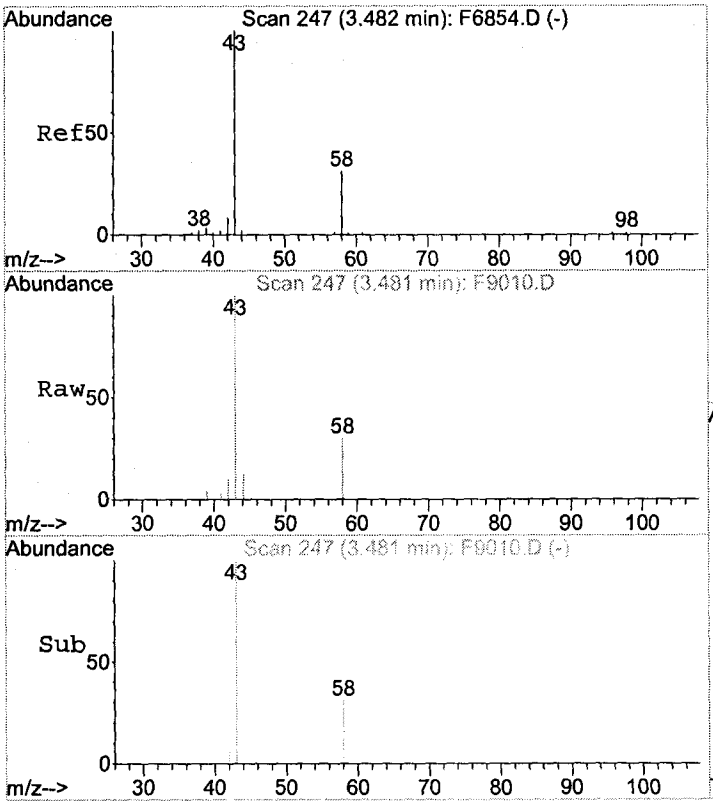


#10
C030 Methylene chloride
Concen: 24.37 ug/L
RT: 3.82 min Scan# 303
Delta R.T. 0.01 min
Lab File: F9010.D
Acq: 8 Dec 2010 16:42

Tgt Ion: 84 Resp: 99344

Ion	Ratio	Lower	Upper
84	100		
86	62.5	40.0	100.0
49	130.6	95.0	155.0

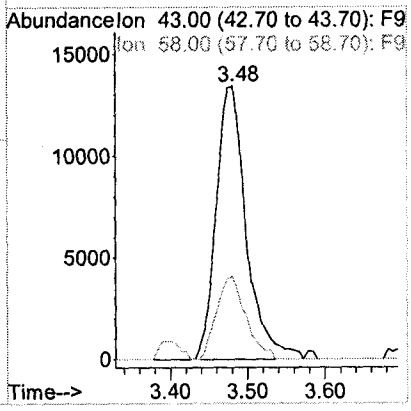




#14
C035 Acetone
Concen: 31.40 ug/L
RT: 3.48 min Scan# 247
Delta R.T. 0.01 min
Lab File: F9010.D
Acq: 8 Dec 2010 16:42

Tgt Ion: 43 Resp: 36375

Ion	Ratio	Lower	Upper
43	100		
58	30.3	3.0	63.0



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9010.D
Acq On : 8 Dec 2010 16:42
Sample : RTL0572-08
Misc :
MS Integration Params: Lscint.p

Vial: 16
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

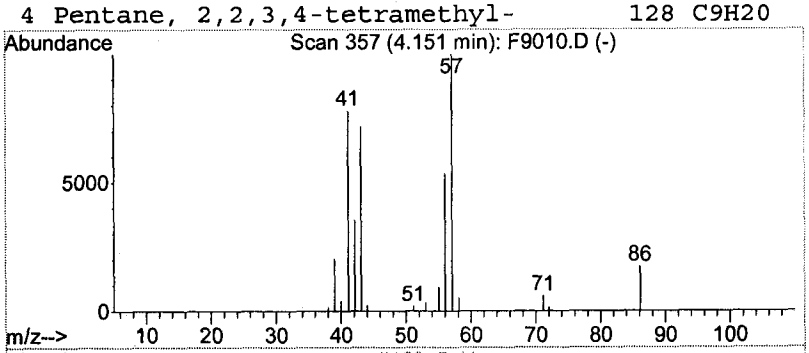
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

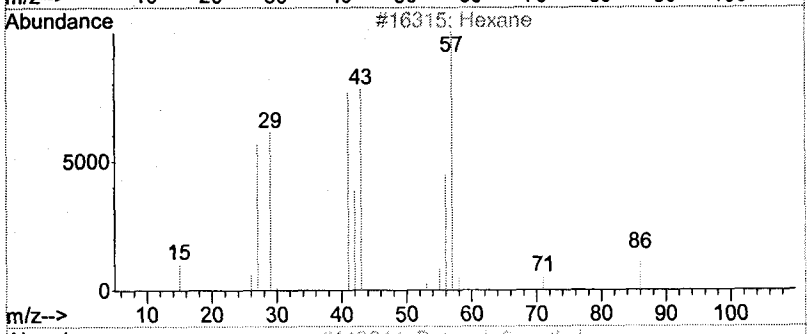
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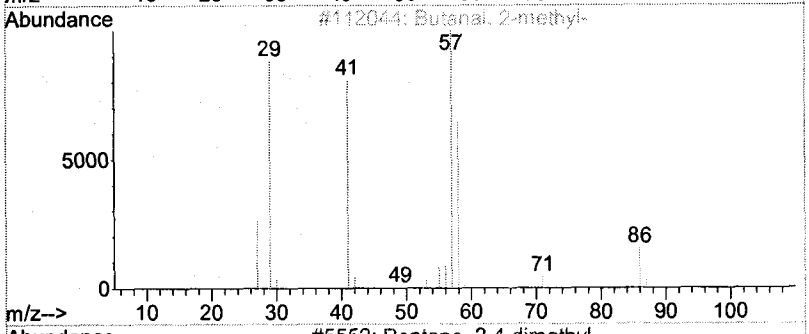
Peak Number 1 Hexane — Concentration Rank 1

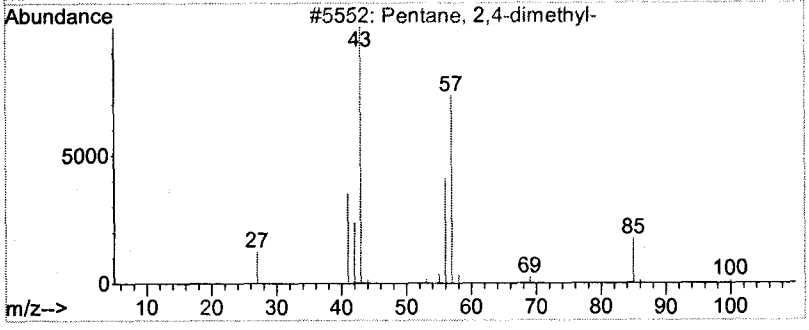
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.15	9.60 ug/L	276710	CI10 1,4-Difluor	1441660	5.81

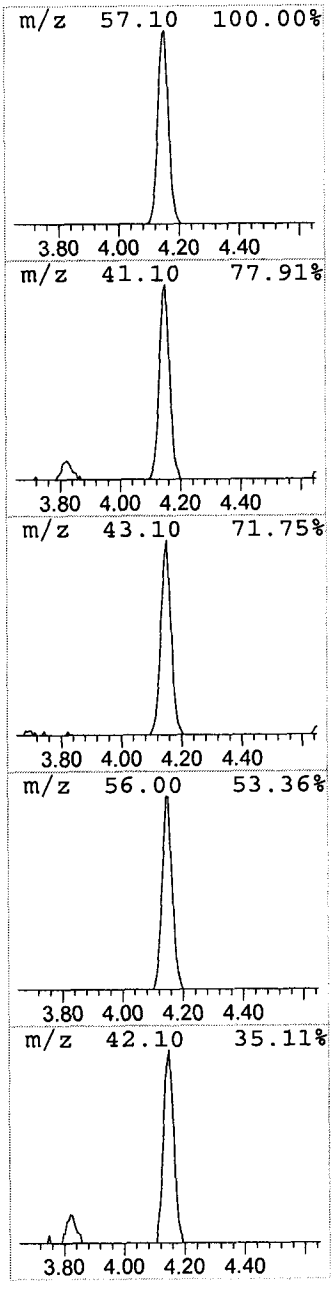
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	38
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38











Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 16:42
Data File: H:\GCMS_VOA\F\120810\F9010.D
Name: RTL0572-08
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane	4.15	9.6	ug/L	276710	1	5.81	1441660	50.0

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SP-9-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-09	File ID:	F9011.D
Sampled:	12/06/10 13:40	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 17:08
Solids:	77.64	Preparation:	5030B MS	Initial/Final:	5.05 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.4	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	6.4	U
79-00-5	1,1,2-Trichloroethane	1	6.4	U
75-34-3	1,1-Dichloroethane	1	6.4	U
75-35-4	1,1-Dichloroethene	1	6.4	U
120-82-1	1,2,4-Trichlorobenzene	1	6.4	U
95-63-6	1,2,4-Trimethylbenzene	1	6.4	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.4	U
106-93-4	1,2-Dibromoethane (EDB)	1	6.4	U
95-50-1	1,2-Dichlorobenzene	1	6.4	U
107-06-2	1,2-Dichloroethane	1	6.4	U
78-87-5	1,2-Dichloropropane	1	6.4	U
108-67-8	1,3,5-Trimethylbenzene	1	6.4	U
541-73-1	1,3-Dichlorobenzene	1	6.4	U
106-46-7	1,4-Dichlorobenzene	1	6.4	U
78-93-3	2-Butanone (MEK)	1	27	J
591-78-6	2-Hexanone	1	32	U
99-87-6	4-Isopropyltoluene	1	6.4	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	32	U
67-64-1	Acetone	1	100	
71-43-2	Benzene	1	6.4	U
75-27-4	Bromodichloromethane	1	6.4	U
75-25-2	Bromoform	1	6.4	U
74-83-9	Bromomethane	1	6.4	U
75-15-0	Carbon disulfide	1	6.4	U
56-23-5	Carbon Tetrachloride	1	6.4	U
108-90-7	Chlorobenzene	1	6.4	U
124-48-1	Chlorodibromomethane	1	6.4	U
75-00-3	Chloroethane	1	6.4	U
67-66-3	Chloroform	1	6.4	U
74-87-3	Chloromethane	1	6.4	U
156-59-2	cis-1,2-Dichloroethene	1	6.4	U
10061-01-5	cis-1,3-Dichloropropene	1	6.4	U
110-82-7	Cyclohexane	1	6.4	U
75-71-8	Dichlorodifluoromethane	1	6.4	U
100-41-4	Ethylbenzene	1	6.4	U
98-82-8	Isopropylbenzene	1	6.4	U
79-20-9	Methyl Acetate	1	6.4	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SP-9-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-09	File ID:	F9011.D
Sampled:	12/06/10 13:40	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 17:08
Solids:	77.64	Preparation:	5030B MS	Initial/Final:	5.05 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	6.4	U
108-87-2	Methylcyclohexane	1	6.4	U
75-09-2	Methylene Chloride	1	27	
91-20-3	Naphthalene	1	6.4	U
104-51-8	n-Butylbenzene	1	6.4	U
103-65-1	n-Propylbenzene	1	6.4	U
135-98-8	sec-Butylbenzene	1	6.4	U
100-42-5	Styrene	1	6.4	U
98-06-6	tert-Butylbenzene	1	6.4	U
127-18-4	Tetrachloroethene	1	6.4	U
108-88-3	Toluene	1	6.4	U
156-60-5	trans-1,2-Dichloroethene	1	6.4	U
10061-02-6	trans-1,3-Dichloropropene	1	6.4	U
79-01-6	Trichloroethene	1	6.4	U
75-69-4	Trichlorofluoromethane	1	6.4	U
75-01-4	Vinyl chloride	1	6.4	U
1330-20-7	Xylenes, total	1	13	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
110-54-3	Hexane	4.145	12	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	59.4	119	64 - 126	
4-Bromofluorobenzene	50.0	53.2	106	72 - 126	
Toluene-d8	50.0	53.4	107	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	382566	10.88	390973	10.88	
1,4-Difluorobenzene	696158	5.8	707306	5.8	
Chlorobenzene-d5	343904	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9011.D
Acq On : 8 Dec 2010 17:08
Sample : RTL0572-09
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:29:05 2010

Vial: 17
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	696158	50.00	ug/L	0.00 98.42%
42) CI20	Chlorobenzene-D5	8.59	82	343904	50.00	ug/L	0.00 99.90%
62) CI30	1,4-Dichlorobenzene-	10.88	152	382566	50.00	ug/L	0.00 97.85%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	266488	59.41	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	118.82%		
43) CS05	Toluene-D8	7.13	98	1043875	53.37	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	106.74%		
61) CS10	p-Bromofluorobenzene	9.80	174	330529	53.20	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	106.40%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	3.82	84	86911	21.50	ug/L	94
11) C040	Carbon disulfide	3.64	76	1445	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	3.47	43	89787	78.16	ug/L	95
15) C300	Acetonitrile	3.81	41	5012	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C256	Cyclohexane	0.00	56	0	N.D.		
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	5.52	78	2067	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	4.81	43	41891	21.00	ug/L	96

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9011.D Vial: 17
Acq On : 8 Dec 2010 17:08 Operator: PJQ
Sample : RTL0572-09 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:29:05 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	0.00	83	0	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	11064	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	7.13	43	5128	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	7.62	43	790	N.D.	
54)	C235	Chlorobenzene	0.00	112	0	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.68	91	914	N.D.	
57)	C246	m,p-Xylene	8.79	106	299	N.D.	
58)	C247	o-Xylene	0.00	106	0	N.D.	
59)	C245	Styrene	0.00	104	0	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	0.00	105	0	N.D.	
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	9.80	91	1091	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.07	105	282	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	1899	N.D.	
74)	C308	sec-Butylbenzene	10.51	105	1899	N.D.	
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	10.78	119	2736	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
79)	C310	n-Butylbenzene	10.88	91	665	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.83	128	6420	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

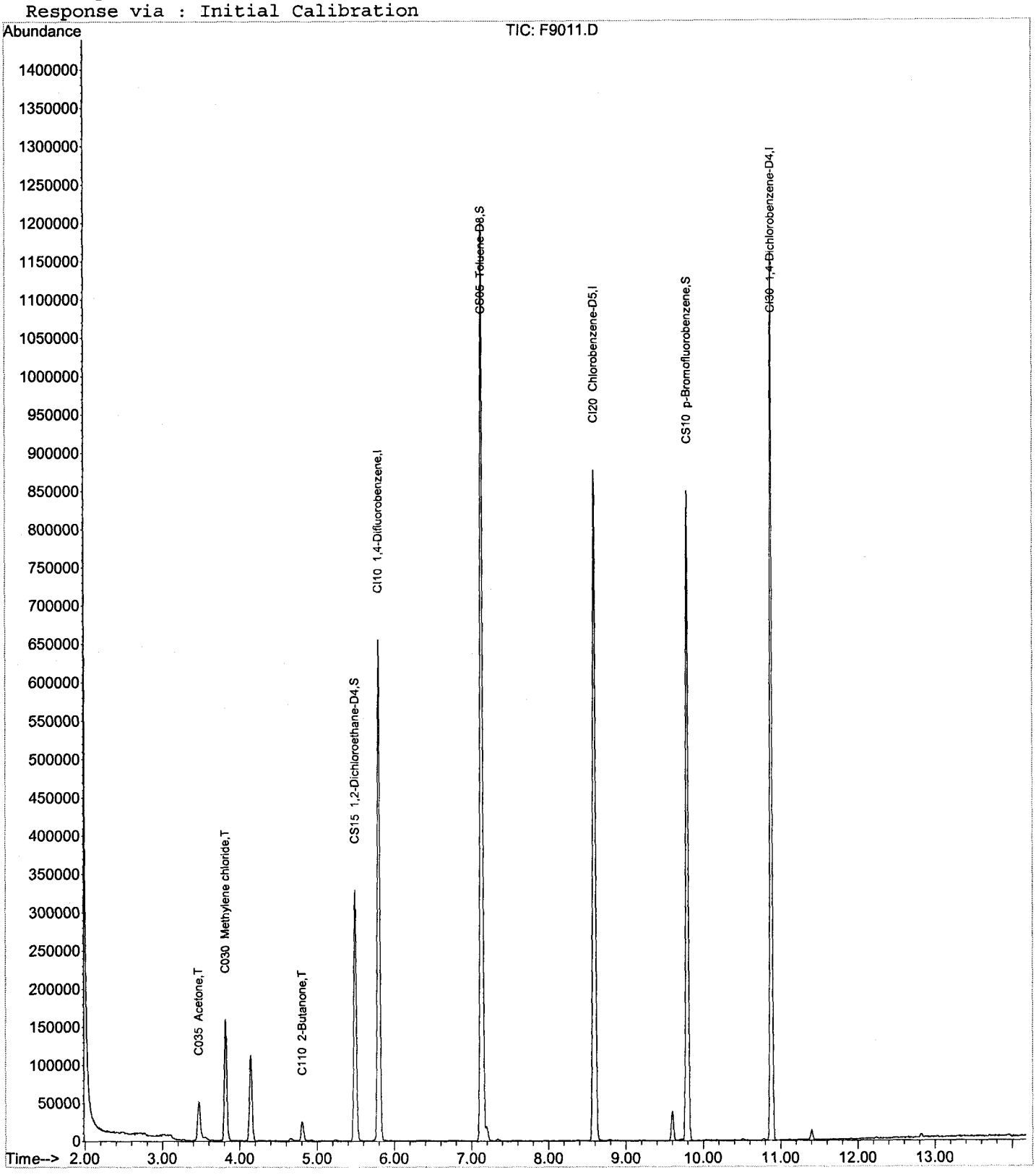
(#) = qualifier out of range (m) = manual integration

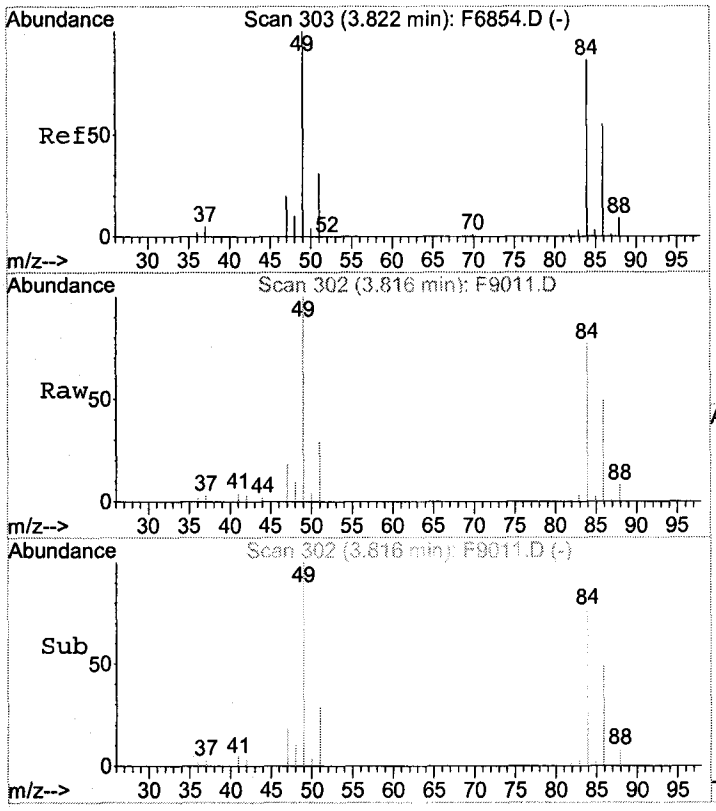
12/14/2010

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9011.D Vial: 17
Acq On : 8 Dec 2010 17:08 Operator: PJQ
Sample : RTL0572-09 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:25 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration

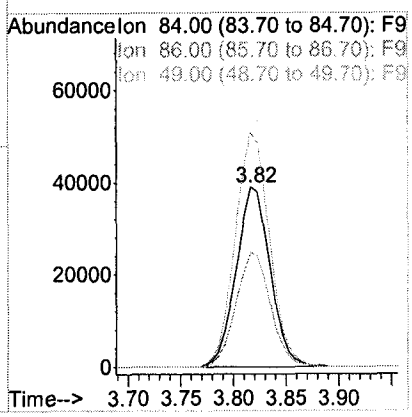


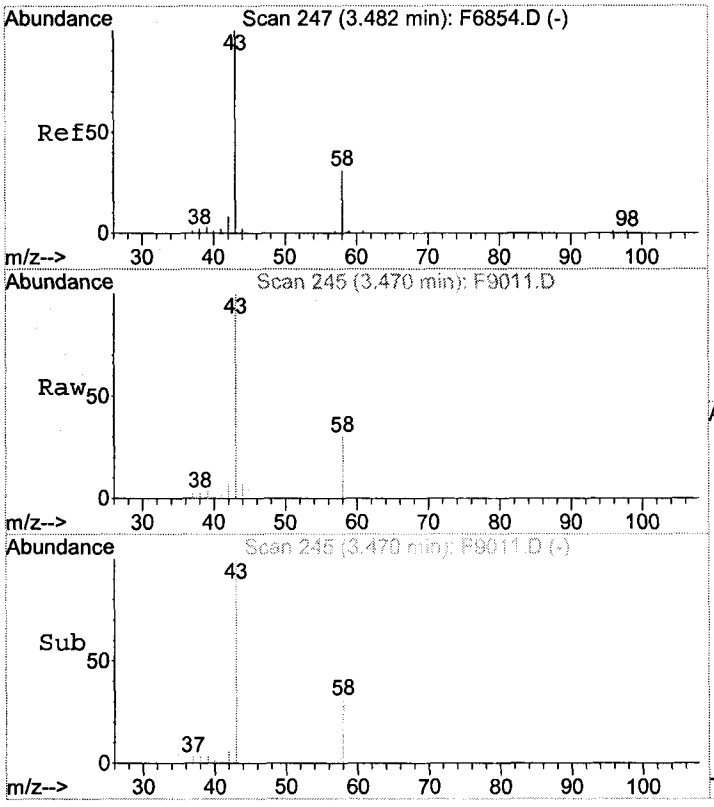


#10
C030 Methylene chloride
Concen: 21.50 ug/L
RT: 3.82 min Scan# 302
Delta R.T. 0.00 min
Lab File: F9011.D
Acq: 8 Dec 2010 17:08

Tgt Ion: 84 Resp: 86911

Ion	Ratio	Lower	Upper
84	100		
86	63.4	40.0	100.0
49	130.6	95.0	155.0

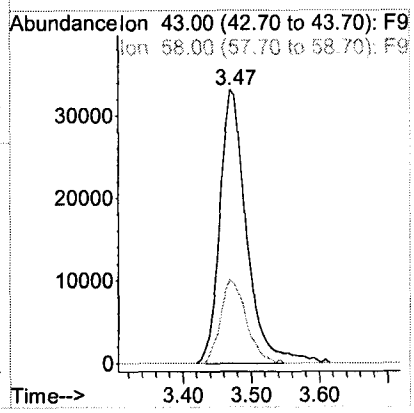


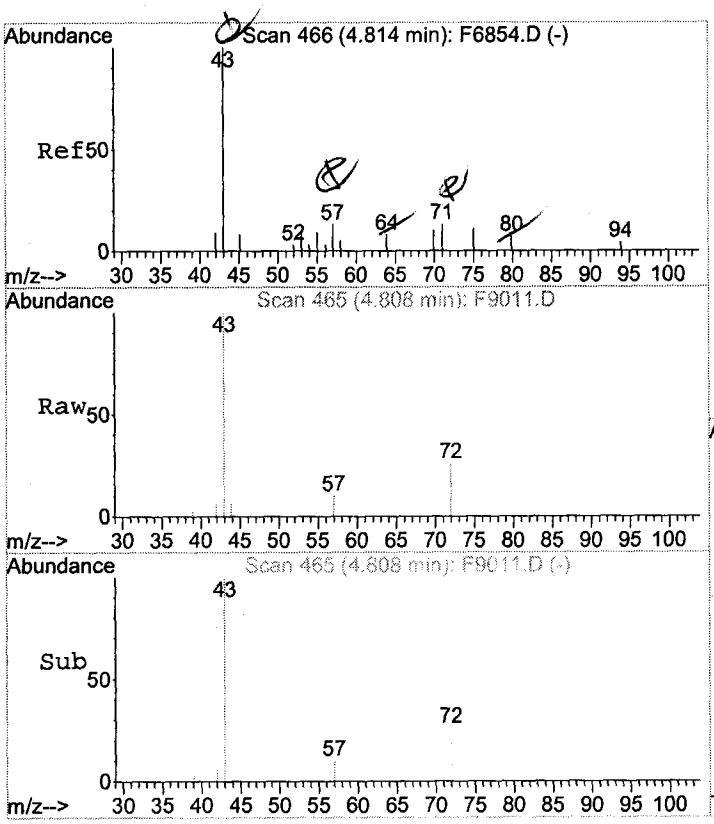


#14
C035 Acetone
Concen: 78.16 ug/L
RT: 3.47 min Scan# 245
Delta R.T. 0.00 min
Lab File: F9011.D
Acq: 8 Dec 2010 17:08

Tgt Ion: 43 Resp: 89787

Ion	Ratio	Lower	Upper
43	100		
58	30.2	3.0	63.0

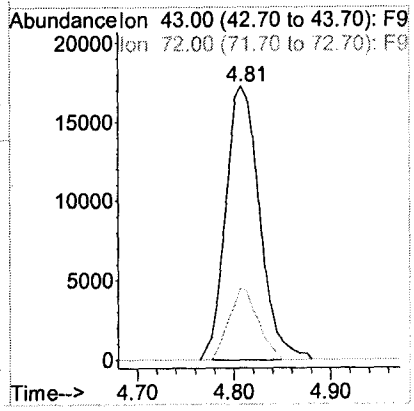




#34
C110 2-Butanone
Concen: 21.00 ug/L
RT: 4.81 min Scan# 465
Delta R.T. 0.01 min
Lab File: F9011.D
Acq: 8 Dec 2010 17:08

Tgt Ion: 43 Resp: 41891

Ion	Ratio	Lower	Upper
43	100		
72	26.5	0.0	58.5



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9011.D
Acq On : 8 Dec 2010 17:08
Sample : RTL0572-09
Misc :
MS Integration Params: Lscint.p

Vial: 17
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

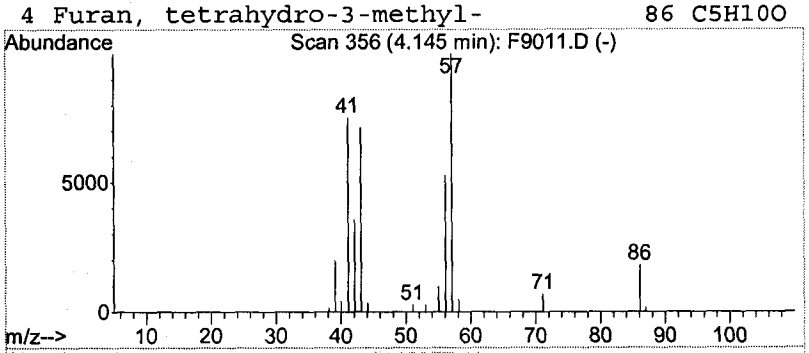
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

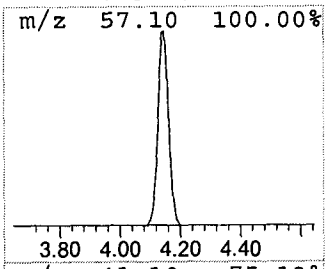
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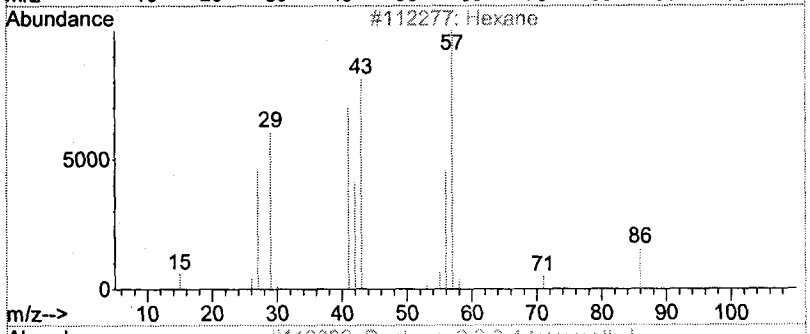
Peak Number 1 Hexane Concentration Rank 1

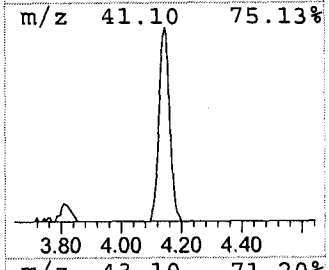
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.14	9.29 ug/L	266868	CI10 1,4-Difluor	1435720	5.80

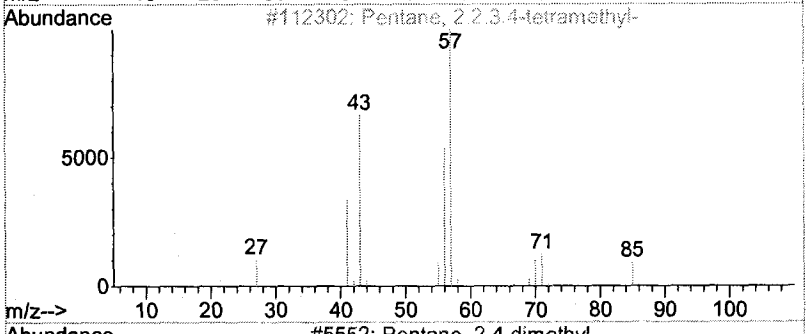
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	38
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	37

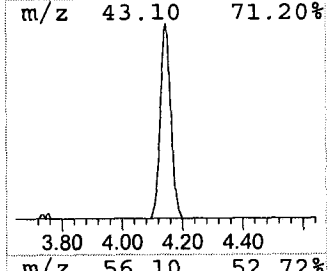


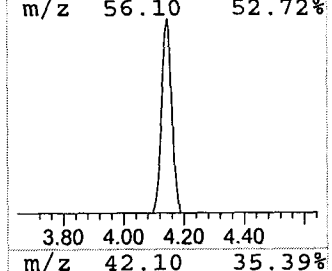


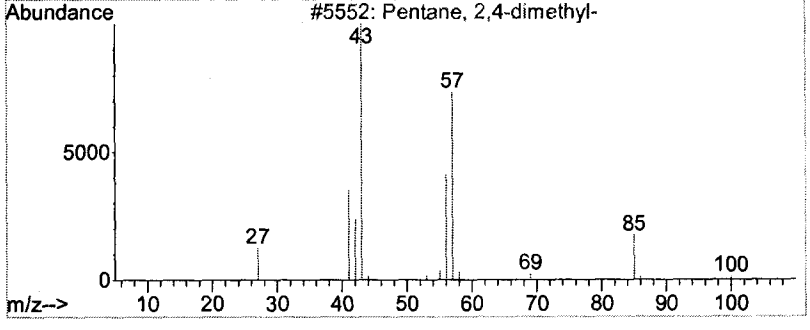


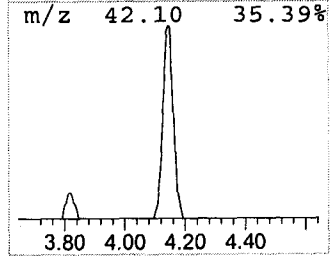












Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 17:08
Data File: H:\GCMS_VOA\F\120810\F9011.D
Name: RTL0572-09
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane	4.14	9.3	ug/L	266868	1	5.80	1435720	50.0

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-10-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-10	File ID:	F9012.D
Sampled:	12/06/10 14:15	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 17:33
Solids:	79.40	Preparation:	5030B MS	Initial/Final:	5.11 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	6.2	U
79-00-5	1,1,2-Trichloroethane	1	6.2	U
75-34-3	1,1-Dichloroethane	1	6.2	U
75-35-4	1,1-Dichloroethene	1	6.2	U
120-82-1	1,2,4-Trichlorobenzene	1	6.2	U
95-63-6	1,2,4-Trimethylbenzene	1	6.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.2	U
106-93-4	1,2-Dibromoethane (EDB)	1	6.2	U
95-50-1	1,2-Dichlorobenzene	1	6.2	U
107-06-2	1,2-Dichloroethane	1	6.2	U
78-87-5	1,2-Dichloropropane	1	6.2	U
108-67-8	1,3,5-Trimethylbenzene	1	6.2	U
541-73-1	1,3-Dichlorobenzene	1	6.2	U
106-46-7	1,4-Dichlorobenzene	1	6.2	U
78-93-3	2-Butanone (MEK)	1	8.9	J
591-78-6	2-Hexanone	1	31	U
99-87-6	4-Isopropyltoluene	1	6.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	31	U
67-64-1	Acetone	1	45	
71-43-2	Benzene	1	6.2	U
75-27-4	Bromodichloromethane	1	6.2	U
75-25-2	Bromoform	1	6.2	U
74-83-9	Bromomethane	1	6.2	U
75-15-0	Carbon disulfide	1	6.2	U
56-23-5	Carbon Tetrachloride	1	6.2	U
108-90-7	Chlorobenzene	1	6.2	U
124-48-1	Chlorodibromomethane	1	6.2	U
75-00-3	Chloroethane	1	6.2	U
67-66-3	Chloroform	1	6.2	U
74-87-3	Chloromethane	1	6.2	U
156-59-2	cis-1,2-Dichloroethene	1	6.2	U
10061-01-5	cis-1,3-Dichloropropene	1	6.2	U
110-82-7	Cyclohexane	1	6.2	U
75-71-8	Dichlorodifluoromethane	1	6.2	U
100-41-4	Ethylbenzene	1	6.2	U
98-82-8	Isopropylbenzene	1	6.2	U
79-20-9	Methyl Acetate	1	6.2	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-10-2-4

Laboratory:	TestAmerica Buffalo		SDG:	RTL0572	
Client:	PARS Environmental, Inc.		Project:	NF Armed Forces Reserve Center Solids Testing	
Matrix:	Solid	Laboratory ID:	RTL0572-10	File ID:	F9012.D
Sampled:	12/06/10 14:15	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 17:33
Solids:	79.40	Preparation:	5030B MS	Initial/Final:	5.11 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	6.2	U
108-87-2	Methylcyclohexane	1	6.2	U
75-09-2	Methylene Chloride	1	24	
91-20-3	Naphthalene	1	6.2	U
104-51-8	n-Butylbenzene	1	6.2	U
103-65-1	n-Propylbenzene	1	6.2	U
135-98-8	sec-Butylbenzene	1	6.2	U
100-42-5	Styrene	1	6.2	U
98-06-6	tert-Butylbenzene	1	6.2	U
127-18-4	Tetrachloroethene	1	6.2	U
108-88-3	Toluene	1	6.2	U
156-60-5	trans-1,2-Dichloroethene	1	6.2	U
10061-02-6	trans-1,3-Dichloropropene	1	6.2	U
79-01-6	Trichloroethene	1	6.2	U
75-69-4	Trichlorofluoromethane	1	6.2	U
75-01-4	Vinyl chloride	1	6.2	U
1330-20-7	Xylenes, total	1	12	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
110-54-3	Hexane	4.145	10	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	58.1	116	64 - 126	
4-Bromofluorobenzene	50.0	52.4	105	72 - 126	
Toluene-d8	50.0	52.8	106	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	382914	10.88	390973	10.88	
1,4-Difluorobenzene	703961	5.8	707306	5.8	
Chlorobenzene-d5	346314	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9012.D
Acq On : 8 Dec 2010 17:33
Sample : RTL0572-10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:29:10 2010

Vial: 18
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	703961	50.00 ug/L	0.00 99.53%
42) CI20	Chlorobenzene-D5	8.59	82	346314	50.00 ug/L	0.00 100.60%
62) CI30	1,4-Dichlorobenzene-	10.88	152	382914	50.00 ug/L	0.00 97.94%
System Monitoring Compounds						
31) CS15	1,2-Dichloroethane-D	5.50	65	263490	58.09 ug/L	0.00
Spiked Amount	50.000	Range 64 - 126		Recovery = 116.18%		
43) CS05	Toluene-D8	7.13	98	1039265	52.77 ug/L	0.00
Spiked Amount	50.000	Range 71 - 125		Recovery = 105.54%		
61) CS10	p-Bromofluorobenzene	9.80	174	328174	52.45 ug/L	0.00
Spiked Amount	50.000	Range 72 - 126		Recovery = 104.90%		
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.	
3) C010	Chloromethane	0.00	50	0	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluorometha	0.00	101	0	N.D.	
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
10) C030	Methylene chloride	3.82	84	79408	19.42 ug/L	94
11) C040	Carbon disulfide	3.65	76	1490	N.D.	
12) C036	Acrolein	0.00	56	0	N.D.	
13) C038	Acrylonitrile	0.00	53	0	N.D.	
14) C035	Acetone	3.47	43	42273	36.39 ug/L	89
15) C300	Acetonitrile	3.82	41	4187	N.D.	
16) C276	Iodomethane	0.00	142	0	N.D.	
17) C255	Methyl Acetate	0.00	43	0	N.D.	
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.	
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.	
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.	
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.	
24) C272	Tetrahydrofuran	5.07	42	147	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	0.00	83	0	N.D.	
27) C256	Cyclohexane	0.00	56	0	N.D.	
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.	
29) C120	Carbon tetrachloride	0.00	117	0	N.D.	
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.	
32) C165	Benzene	5.52	78	1800	N.D.	
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34) C110	2-Butanone	4.81	43	14624	7.25 ug/L	88

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9012.D
Acq On : 8 Dec 2010 17:33
Sample : RTL0572-10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:29:10 2010

Vial: 18
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

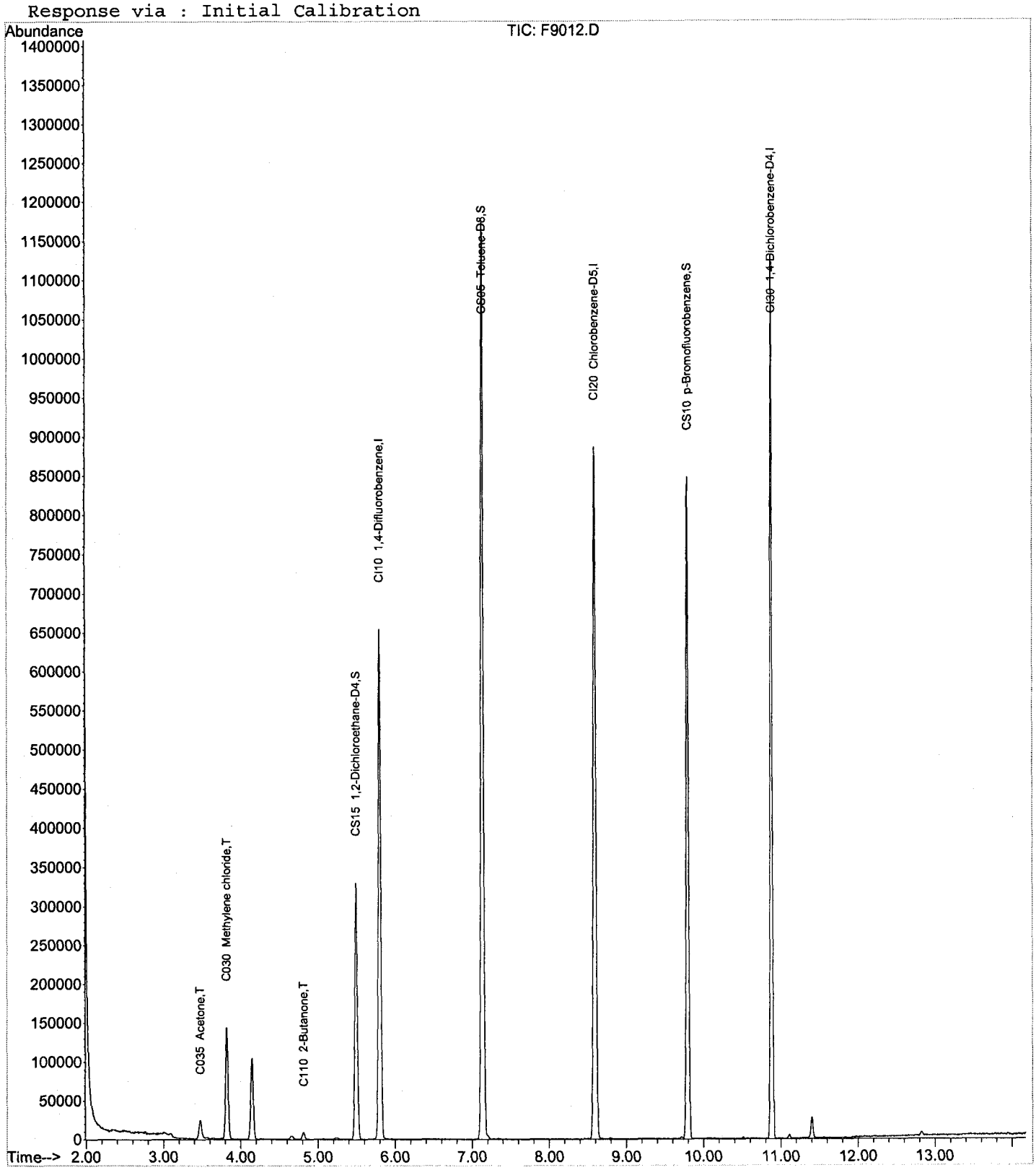
	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	0.00	83	0	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	2243	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	7.13	43	4342	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	7.62	43	150	N.D.	
54)	C235	Chlorobenzene	0.00	112	0	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.68	91	544	N.D.	
57)	C246	m,p-Xylene	8.79	106	305	N.D.	
58)	C247	o-Xylene	0.00	106	0	N.D.	
59)	C245	Styrene	0.00	104	0	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	0.00	105	0	N.D.	
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	9.80	91	722	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.15	105	447	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	2059	N.D.	
74)	C308	sec-Butylbenzene	10.51	105	2059	N.D.	
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
79)	C310	n-Butylbenzene	11.11	91	301	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.83	128	6862	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

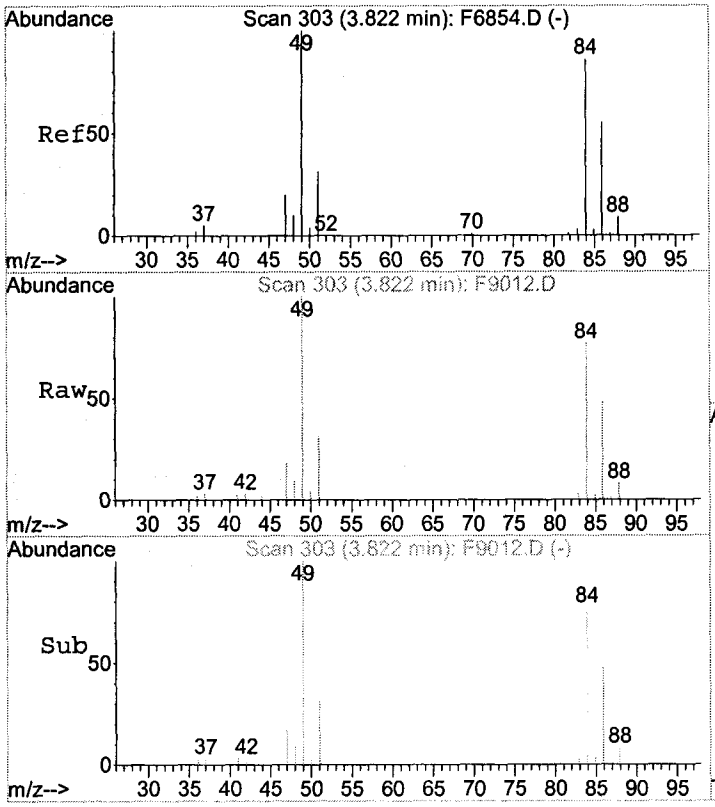
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9012.D Vial: 18
Acq On : 8 Dec 2010 17:33 Operator: PJQ
Sample : RTL0572-10 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:25 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration

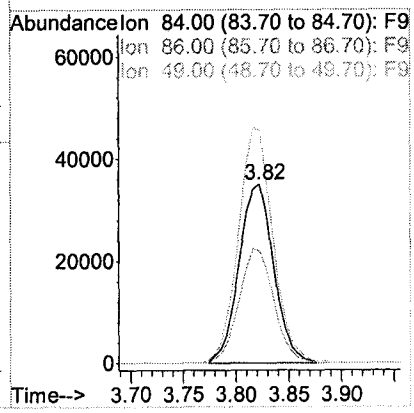


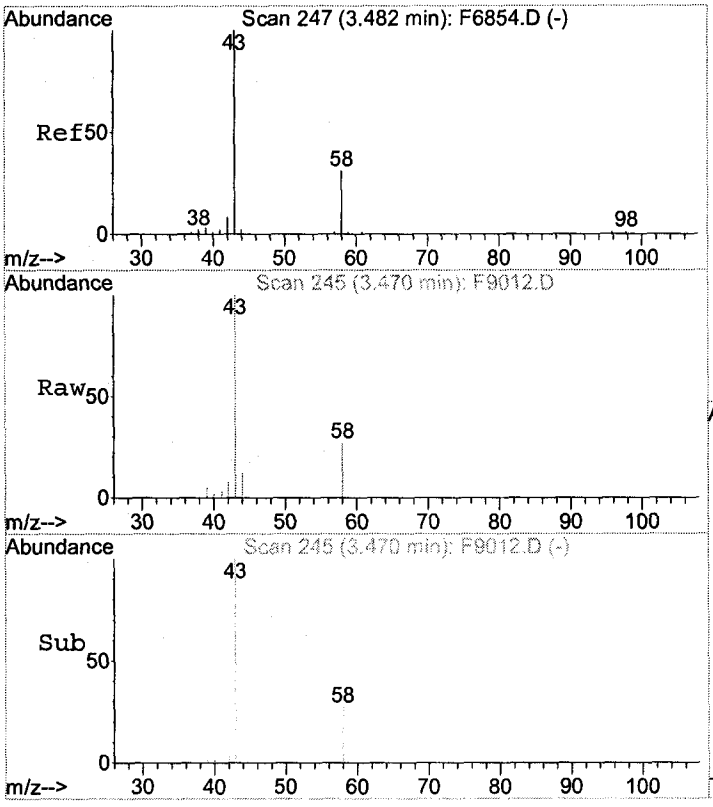


#10
C030 Methylene chloride
Concen: 19.42 ug/L
RT: 3.82 min Scan# 303
Delta R.T. 0.01 min
Lab File: F9012.D
Acq: 8 Dec 2010 17:33

Tgt Ion: 84 Resp: 79408

Ion	Ratio	Lower	Upper
84	100		
86	62.9	40.0	100.0
49	130.2	95.0	155.0

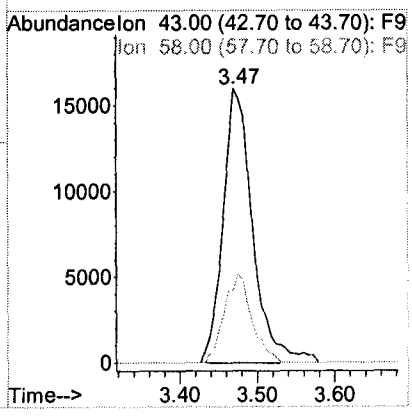


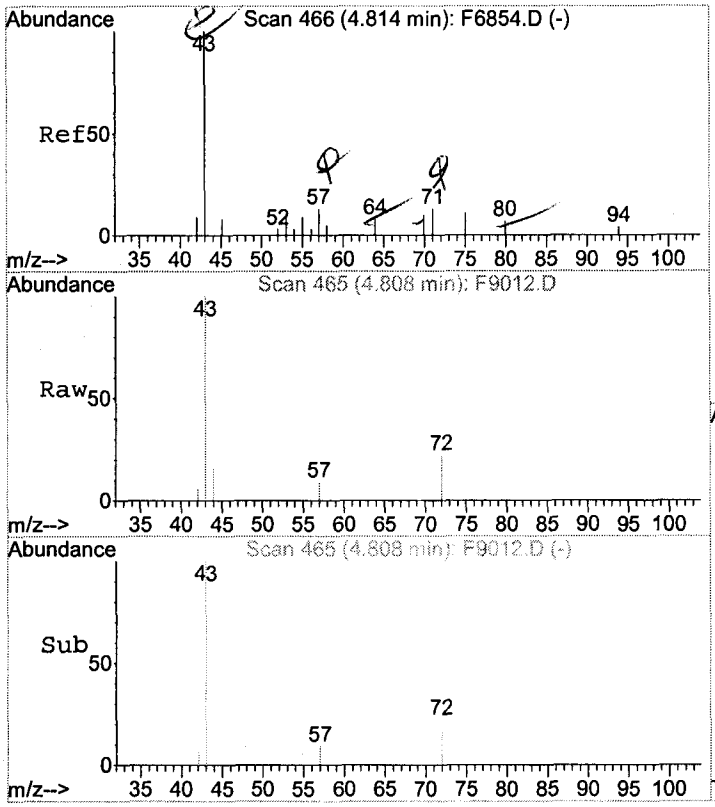


#14
C035 Acetone
Concen: 36.39 ug/L
RT: 3.47 min Scan# 245
Delta R.T. 0.00 min
Lab File: F9012.D
Acq: 8 Dec 2010 17:33

Tgt Ion: 43 Resp: 42273

Ion	Ratio	Lower	Upper
43	100		
58	26.6	3.0	63.0

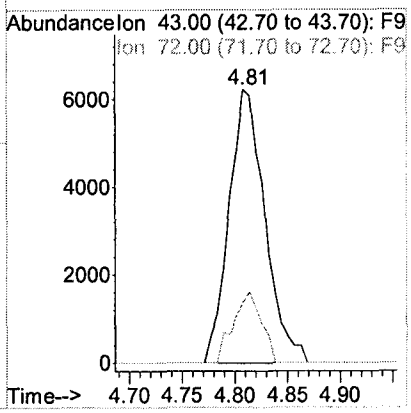




#34
C110 2-Butanone
Concen: 7.25 ug/L
RT: 4.81 min Scan# 465
Delta R.T. 0.01 min
Lab File: F9012.D
Acq: 8 Dec 2010 17:33

Tgt Ion: 43 Resp: 14624

Ion	Ratio	Lower	Upper
43	100		
72	21.9	0.0	58.5



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9012.D
Acq On : 8 Dec 2010 17:33
Sample : RTL0572-10
Misc :
MS Integration Params: Lscint.p

Vial: 18
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

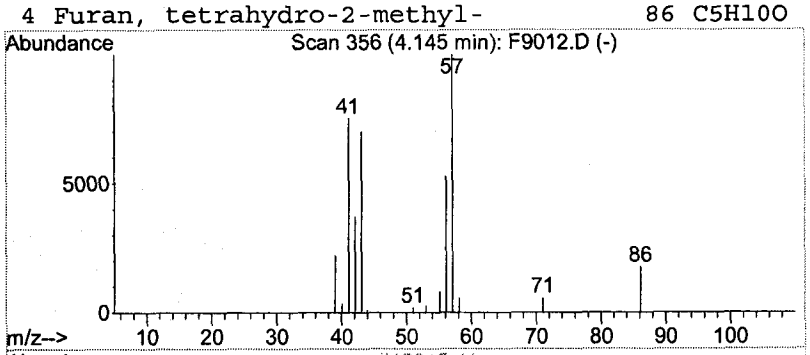
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

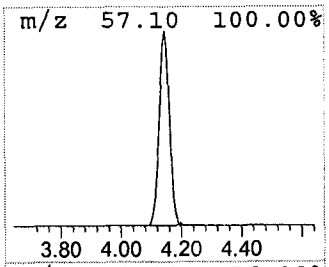
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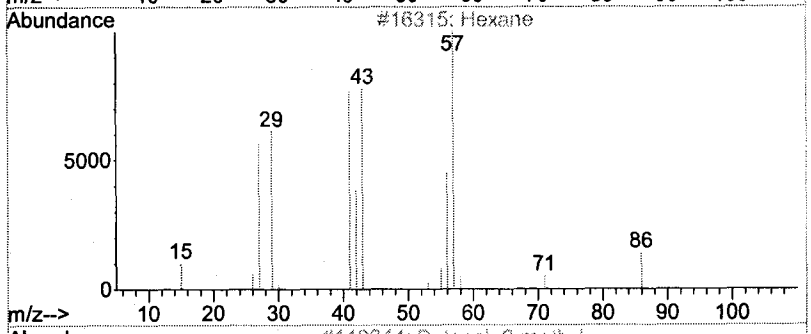
Peak Number 1 Hexane Concentration Rank 1

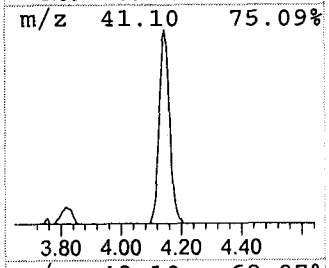
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.14	8.40 ug/L	242675	CI10 1,4-Difluor	1443710	5.80

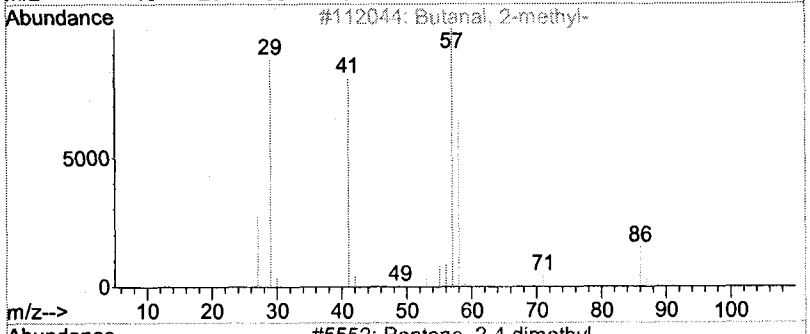
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	38
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	37

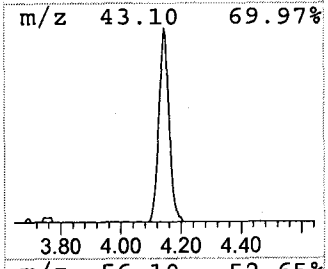


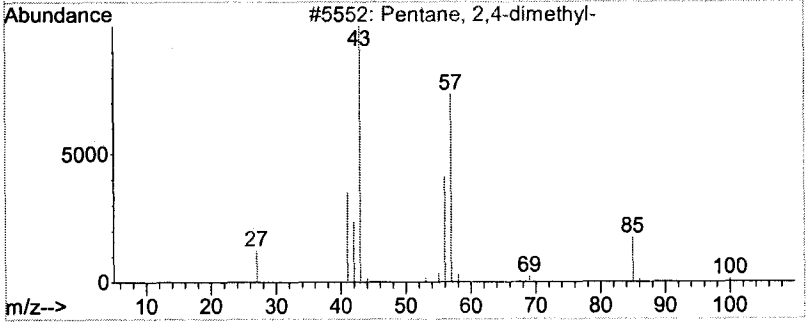


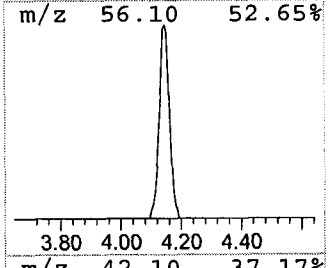


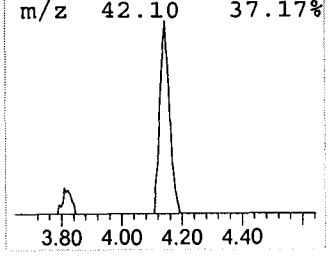












Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 17:33
Data File: H:\GCMS_VOA\F\120810\F9012.D
Name: RTL0572-10
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane	4.14	8.4	ug/L	242675	1	5.80	1443710	50.0

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-11-2-4

Laboratory: TestAmerica Buffalo SDG: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid Laboratory ID: RTL0572-11 File ID: F9013.D

Sampled: 12/06/10 14:35 Prepared: 12/08/10 10:55 Analyzed: 12/08/10 17:59

Solids: 75.57 Preparation: 5030B MS Initial/Final: 5.04 g / 5 mL

Batch: 10L0624 Sequence: T005584 Calibration: R10L016 Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.6	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	6.6	U
79-00-5	1,1,2-Trichloroethane	1	6.6	U
75-34-3	1,1-Dichloroethane	1	6.6	U
75-35-4	1,1-Dichloroethene	1	6.6	U
120-82-1	1,2,4-Trichlorobenzene	1	6.6	U
95-63-6	1,2,4-Trimethylbenzene	1	6.6	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.6	U
106-93-4	1,2-Dibromoethane (EDB)	1	6.6	U
95-50-1	1,2-Dichlorobenzene	1	6.6	U
107-06-2	1,2-Dichloroethane	1	6.6	U
78-87-5	1,2-Dichloropropane	1	6.6	U
108-67-8	1,3,5-Trimethylbenzene	1	6.6	U
541-73-1	1,3-Dichlorobenzene	1	6.6	U
106-46-7	1,4-Dichlorobenzene	1	6.6	U
78-93-3	2-Butanone (MEK)	1	33	U
591-78-6	2-Hexanone	1	33	U
99-87-6	4-Isopropyltoluene	1	6.6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	33	U
67-64-1	Acetone	1	48	
71-43-2	Benzene	1	6.6	U
75-27-4	Bromodichloromethane	1	6.6	U
75-25-2	Bromoform	1	6.6	U
74-83-9	Bromomethane	1	6.6	U
75-15-0	Carbon disulfide	1	6.6	U
56-23-5	Carbon Tetrachloride	1	6.6	U
108-90-7	Chlorobenzene	1	6.6	U
124-48-1	Chlorodibromomethane	1	6.6	U
75-00-3	Chloroethane	1	6.6	U
67-66-3	Chloroform	1	6.6	U
74-87-3	Chloromethane	1	6.6	U
156-59-2	cis-1,2-Dichloroethene	1	6.6	U
10061-01-5	cis-1,3-Dichloropropene	1	6.6	U
110-82-7	Cyclohexane	1	6.6	U
75-71-8	Dichlorodifluoromethane	1	6.6	U
100-41-4	Ethylbenzene	1	6.6	U
98-82-8	Isopropylbenzene	1	6.6	U
79-20-9	Methyl Acetate	1	6.6	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-11-2-4

Laboratory:	TestAmerica Buffalo		SDG:	RTL0572	
Client:	PARS Environmental, Inc.		Project:	NF Armed Forces Reserve Center Solids Testing	
Matrix:	Solid	Laboratory ID:	RTL0572-11	File ID:	F9013.D
Sampled:	12/06/10 14:35	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 17:59
Solids:	75.57	Preparation:	5030B MS	Initial/Final:	5.04 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	6.6	U
108-87-2	Methylcyclohexane	1	6.6	U
75-09-2	Methylene Chloride	1	38	
91-20-3	Naphthalene	1	6.6	U
104-51-8	n-Butylbenzene	1	6.6	U
103-65-1	n-Propylbenzene	1	6.6	U
135-98-8	sec-Butylbenzene	1	6.6	U
100-42-5	Styrene	1	6.6	U
98-06-6	tert-Butylbenzene	1	6.6	U
127-18-4	Tetrachloroethene	1	6.6	U
108-88-3	Toluene	1	6.6	U
156-60-5	trans-1,2-Dichloroethene	1	6.6	U
10061-02-6	trans-1,3-Dichloropropene	1	6.6	U
79-01-6	Trichloroethene	1	6.6	U
75-69-4	Trichlorofluoromethane	1	6.6	U
75-01-4	Vinyl chloride	1	6.6	U
1330-20-7	Xylenes, total	1	13	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
110-54-3	Hexane	4.145	14	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	56.8	114	64 - 126	
4-Bromofluorobenzene	50.0	52.6	105	72 - 126	
Toluene-d8	50.0	54.7	109	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	353464	10.88	390973	10.88	
1,4-Difluorobenzene	689943	5.8	707306	5.8	
Chlorobenzene-d5	331123	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9013.D
Acq On : 8 Dec 2010 17:59
Sample : RTL0572-11
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:29:14 2010

Vial: 19
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	689943	50.00	ug/L	0.00 97.55%
42) CI20	Chlorobenzene-D5	8.59	82	331123	50.00	ug/L	0.00 96.19%
62) CI30	1,4-Dichlorobenzene-	10.88	152	353464	50.00	ug/L	0.00 90.41%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	252699	56.85	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery	=	113.70%	
43) CS05	Toluene-D8	7.13	98	1029252	54.66	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery	=	109.32%	
61) CS10	p-Bromofluorobenzene	9.80	174	314538	52.58	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery	=	105.16%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	3.82	84	115093	28.72	ug/L	95
11) C040	Carbon disulfide	3.64	76	944	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	3.48	43	41281	36.26	ug/L	94
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	5.07	42	137	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C256	Cyclohexane	0.00	56	0	N.D.		
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	5.52	78	5103	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	4.81	43	4653	N.D.		

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9013.D Vial: 19
Acq On : 8 Dec 2010 17:59 Operator: PJQ
Sample : RTL0572-11 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:29:14 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	0.00	83	0	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	0.00	92	0	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	7.13	43	4338	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	7.91	43	3142	N.D.	
54)	C235	Chlorobenzene	0.00	112	0	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.69	91	341	N.D.	
57)	C246	m,p-Xylene	8.79	106	137	N.D.	
58)	C247	o-Xylene	0.00	106	0	N.D.	
59)	C245	Styrene	0.00	104	0	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	0.00	105	0	N.D.	
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	9.99	91	151	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.06	105	129	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	1923	N.D.	
74)	C308	sec-Butylbenzene	10.51	105	1923	N.D.	
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
79)	C310	n-Butylbenzene	11.11	91	279	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.83	128	3127	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

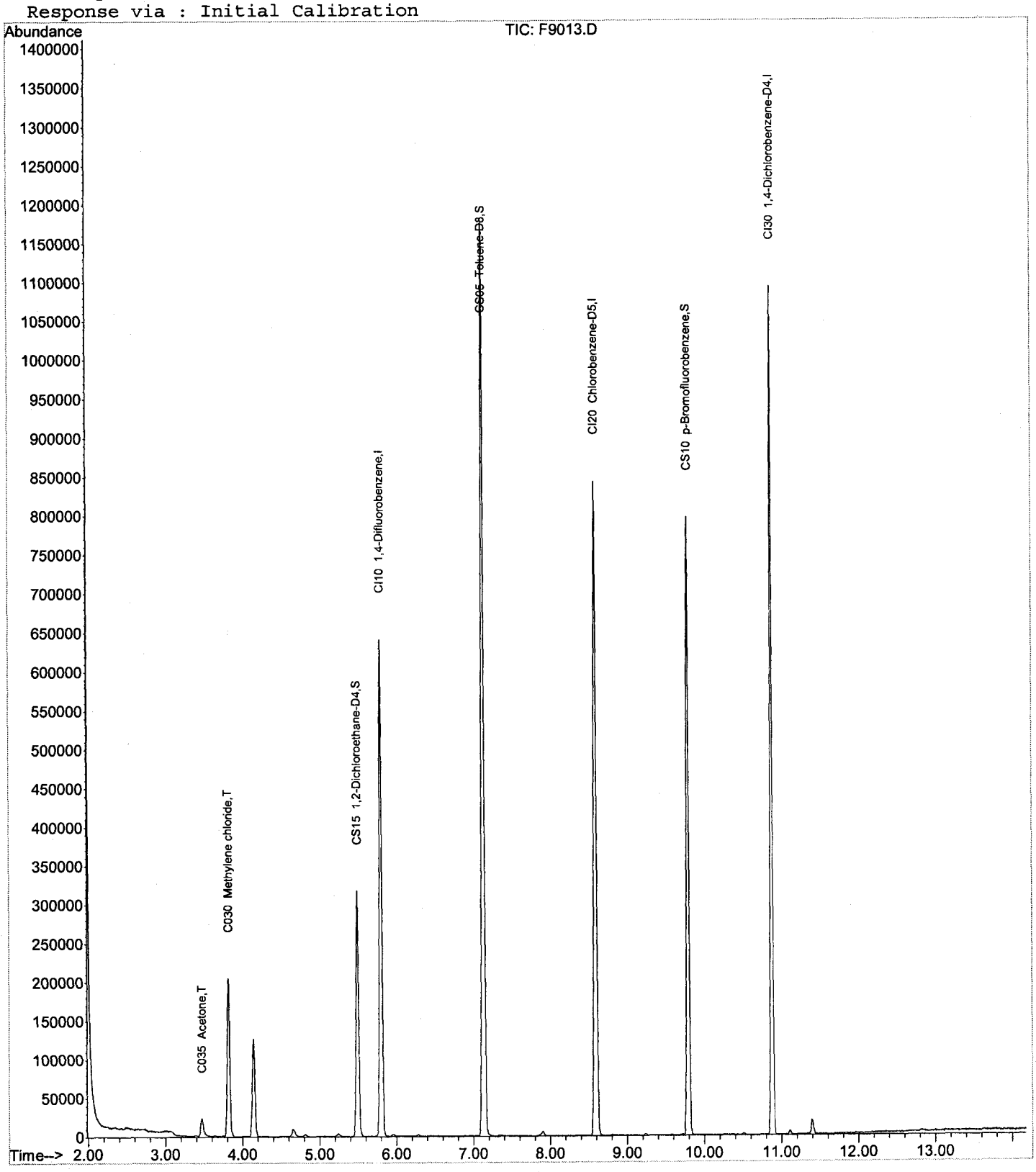
(#) = qualifier out of range (m) = manual integration

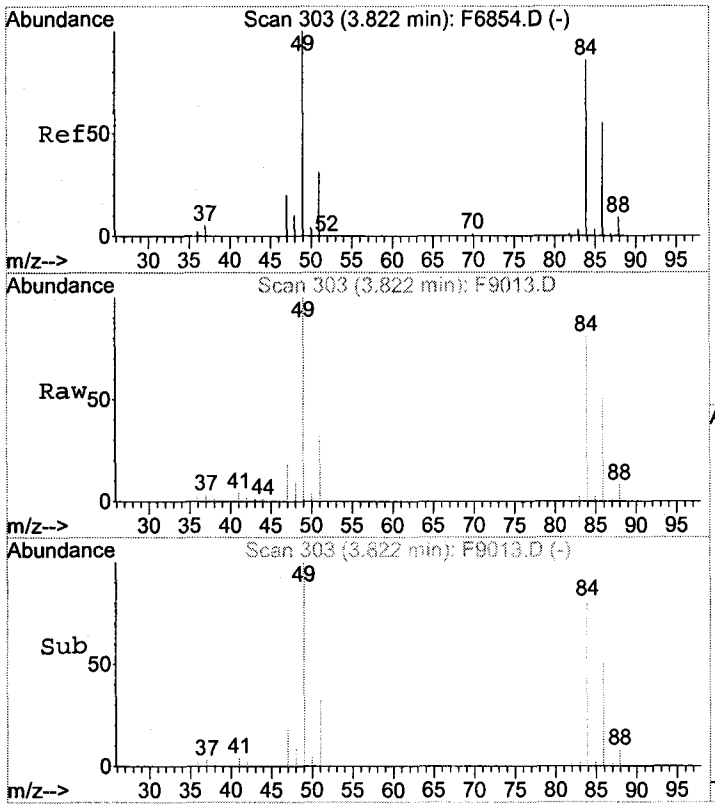
12/14/2010

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9013.D Vial: 19
Acq On : 8 Dec 2010 17:59 Operator: PJQ
Sample : RTL0572-11 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:25 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration

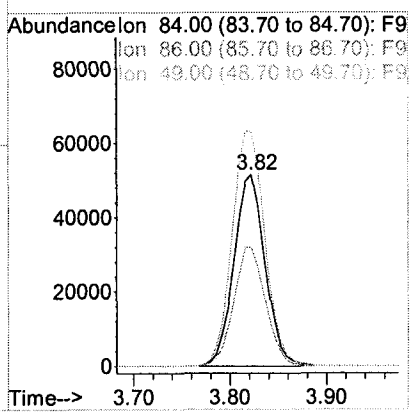


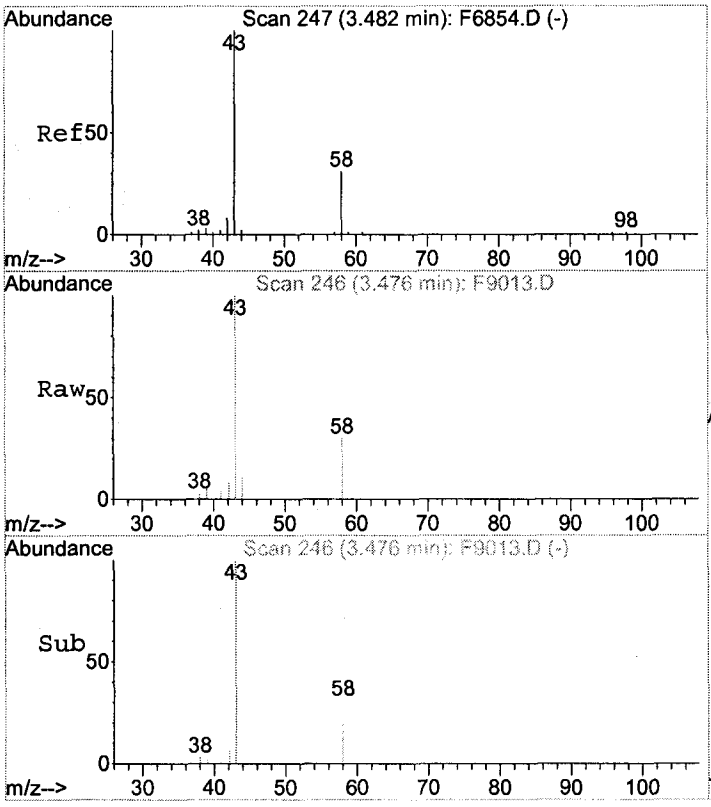


#10
C030 Methylene chloride
Concen: 28.72 ug/L
RT: 3.82 min Scan# 303
Delta R.T. 0.01 min
Lab File: F9013.D
Acq: 8 Dec 2010 17:59

Tgt Ion: 84 Resp: 115093

Ion	Ratio	Lower	Upper
84	100		
86	62.0	40.0	100.0
49	122.9	95.0	155.0

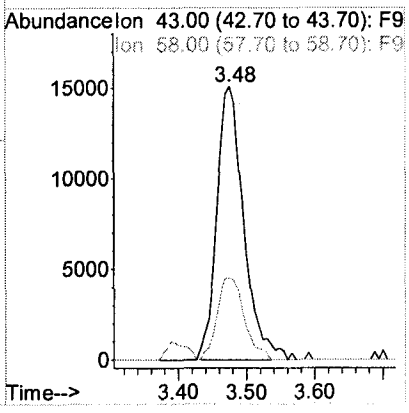




#14
C035 Acetone
Concen: 36.26 ug/L
RT: 3.48 min Scan# 246
Delta R.T. 0.01 min
Lab File: F9013.D
Acq: 8 Dec 2010 17:59

Tgt Ion: 43 Resp: 41281

Ion	Ratio	Lower	Upper
43	100		
58	29.8	3.0	63.0



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9013.D
Acq On : 8 Dec 2010 17:59
Sample : RTL0572-11
Misc :
MS Integration Params: Lscint.p

Vial: 19
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

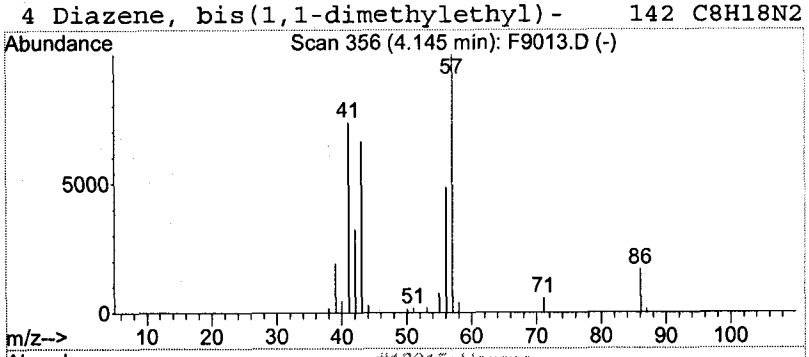
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

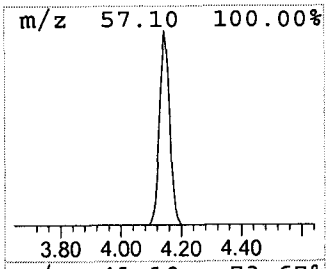
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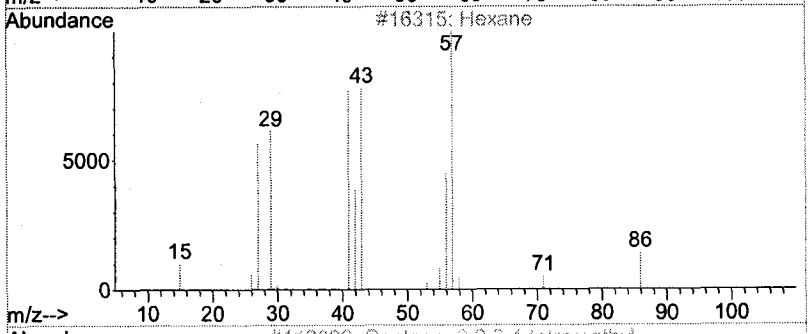
Peak Number 1 Hexane Concentration Rank 1

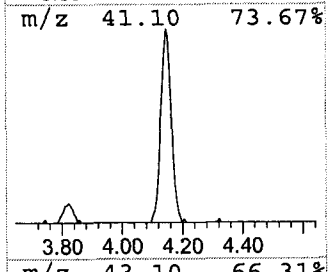
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.14	10.61 ug/L	299525	CI10 1,4-Difluor	1411200	5.80

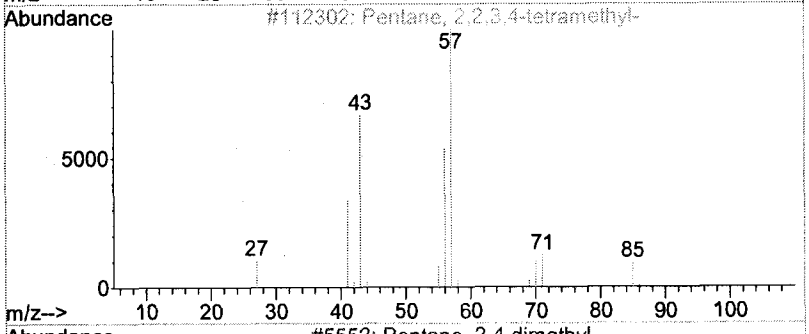
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	38
4	Diazene, bis(1,1-dimethylethyl)-	142	C8H18N2	000927-83-3	35

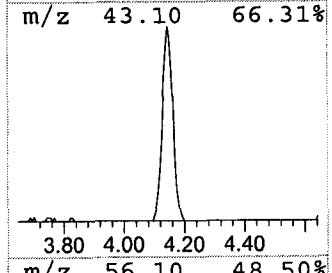


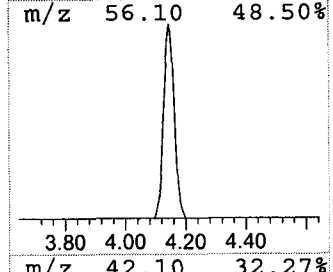


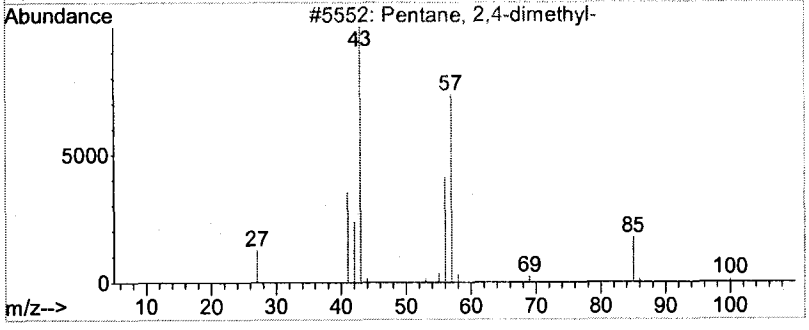


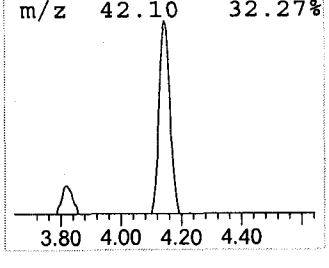












Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 17:59
Data File: H:\GCMS_VOA\F\120810\F9013.D
Name: RTL0572-11
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane	4.14	10.6	ug/L	299525	1	5.80	1411200	50.0

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

DUP-1

Laboratory: TestAmerica Buffalo | SDG: RTL0572

Client: PARS Environmental, Inc. | Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid | Laboratory ID: RTL0572-12 | File ID: F9014.D

Sampled: 12/06/10 00:00 | Prepared: 12/08/10 10:55 | Analyzed: 12/08/10 18:24

Solids: 91.02 | Preparation: 5030B MS | Initial/Final: 5.04 g / 5 mL

Batch: 10L0624 | Sequence: T005584 | Calibration: R10L016 | Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	1	5.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	5.4	U
79-00-5	1,1,2-Trichloroethane	1	5.4	U
75-34-3	1,1-Dichloroethane	1	5.4	U
75-35-4	1,1-Dichloroethene	1	5.4	U
120-82-1	1,2,4-Trichlorobenzene	1	5.4	U
95-63-6	1,2,4-Trimethylbenzene	1	5.4	U
96-12-8	1,2-Dibromo-3-chloropropane	1	5.4	U
106-93-4	1,2-Dibromoethane (EDB)	1	5.4	U
95-50-1	1,2-Dichlorobenzene	1	5.4	U
107-06-2	1,2-Dichloroethane	1	5.4	U
78-87-5	1,2-Dichloropropane	1	5.4	U
108-67-8	1,3,5-Trimethylbenzene	1	5.4	U
541-73-1	1,3-Dichlorobenzene	1	5.4	U
106-46-7	1,4-Dichlorobenzene	1	5.4	U
78-93-3	2-Butanone (MEK)	1	27	U
591-78-6	2-Hexanone	1	27	U
99-87-6	4-Isopropyltoluene	1	5.4	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	27	U
67-64-1	Acetone	1	49	
71-43-2	Benzene	1	5.4	U
75-27-4	Bromodichloromethane	1	5.4	U
75-25-2	Bromoform	1	5.4	U
74-83-9	Bromomethane	1	5.4	U
75-15-0	Carbon disulfide	1	5.4	U
56-23-5	Carbon Tetrachloride	1	5.4	U
108-90-7	Chlorobenzene	1	5.4	U
124-48-1	Chlorodibromomethane	1	5.4	U
75-00-3	Chloroethane	1	5.4	U
67-66-3	Chloroform	1	5.4	U
74-87-3	Chloromethane	1	5.4	U
156-59-2	cis-1,2-Dichloroethene	1	5.4	U
10061-01-5	cis-1,3-Dichloropropene	1	5.4	U
110-82-7	Cyclohexane	1	5.4	U
75-71-8	Dichlorodifluoromethane	1	5.4	U
100-41-4	Ethylbenzene	1	5.4	U
98-82-8	Isopropylbenzene	1	5.4	U
79-20-9	Methyl Acetate	1	5.4	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

DUP-1

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-12	File ID:	F9014.D
Sampled:	12/06/10 00:00	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 18:24
Solids:	91.02	Preparation:	5030B MS	Initial/Final:	5.04 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	5.4	U
108-87-2	Methylcyclohexane	1	5.4	U
75-09-2	Methylene Chloride	1	20	
91-20-3	Naphthalene	1	5.4	U
104-51-8	n-Butylbenzene	1	5.4	U
103-65-1	n-Propylbenzene	1	5.4	U
135-98-8	sec-Butylbenzene	1	5.4	U
100-42-5	Styrene	1	5.4	U
98-06-6	tert-Butylbenzene	1	5.4	U
127-18-4	Tetrachloroethene	1	5.4	U
108-88-3	Toluene	1	5.4	U
156-60-5	trans-1,2-Dichloroethene	1	5.4	U
10061-02-6	trans-1,3-Dichloropropene	1	5.4	U
79-01-6	Trichloroethene	1	5.4	U
75-69-4	Trichlorofluoromethane	1	5.4	U
75-01-4	Vinyl chloride	1	5.4	U
1330-20-7	Xylenes, total	1	11	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
110-54-3	Hexane	4.145	8.1	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	58.6	117	64 - 126	
4-Bromofluorobenzene	50.0	52.3	105	72 - 126	
Toluene-d8	50.0	52.5	105	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	384092	10.88	390973	10.88	
1,4-Difluorobenzene	702077	5.81	707306	5.8	
Chlorobenzene-d5	348613	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9014.D
Acq On : 8 Dec 2010 18:24
Sample : RTL0572-12
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:29:19 2010

Vial: 20
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.81	114	702077	50.00 ug/L	0.00 99.26%
42) CI20	Chlorobenzene-D5	8.59	82	348613	50.00 ug/L	0.00 101.27%
62) CI30	1,4-Dichlorobenzene-	10.88	152	384092	50.00 ug/L	0.00 98.24%
System Monitoring Compounds						
31) CS15	1,2-Dichloroethane-D	5.50	65	265042	58.59 ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery	= 117.18%	
43) CS05	Toluene-D8	7.14	98	1040683	52.49 ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery	= 104.98%	
61) CS10	p-Bromofluorobenzene	9.80	174	329684	52.34 ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery	= 104.68%	
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.	
3) C010	Chloromethane	0.00	50	0	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluorometha	0.00	101	0	N.D.	
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
10) C030	Methylene chloride	3.82	84	75161	18.43 ug/L	93
11) C040	Carbon disulfide	0.00	76	0	N.D.	
12) C036	Acrolein	0.00	56	0	N.D.	
13) C038	Acrylonitrile	0.00	53	0	N.D.	
14) C035	Acetone	3.48	43	52574	45.38 ug/L	96
15) C300	Acetonitrile	3.82	41	4721	N.D.	
16) C276	Iodomethane	0.00	142	0	N.D.	
17) C255	Methyl Acetate	0.00	43	0	N.D.	
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.	
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.	
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.	
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.	
24) C272	Tetrahydrofuran	0.00	42	0	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	0.00	83	0	N.D.	
27) C256	Cyclohexane	0.00	56	0	N.D.	
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.	
29) C120	Carbon tetrachloride	0.00	117	0	N.D.	
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.	
32) C165	Benzene	5.53	78	131	N.D.	
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34) C110	2-Butanone	4.81	43	7987	N.D.	

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9014.D Vial: 20
Acq On : 8 Dec 2010 18:24 Operator: PJQ
Sample : RTL0572-12 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:29:19 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	0.00	83	0	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	1474	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	7.13	43	4506	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	7.87	43	593	N.D.	
54)	C235	Chlorobenzene	0.00	112	0	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.68	91	270	N.D.	
57)	C246	m,p-Xylene	8.80	106	307	N.D.	
58)	C247	o-Xylene	0.00	106	0	N.D.	
59)	C245	Styrene	0.00	104	0	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	0.00	105	0	N.D.	
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	9.79	91	735	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.08	105	500	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	1491	N.D.	
74)	C308	sec-Butylbenzene	10.51	105	1491	N.D.	
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
79)	C310	n-Butylbenzene	10.89	91	902	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.83	128	3066	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

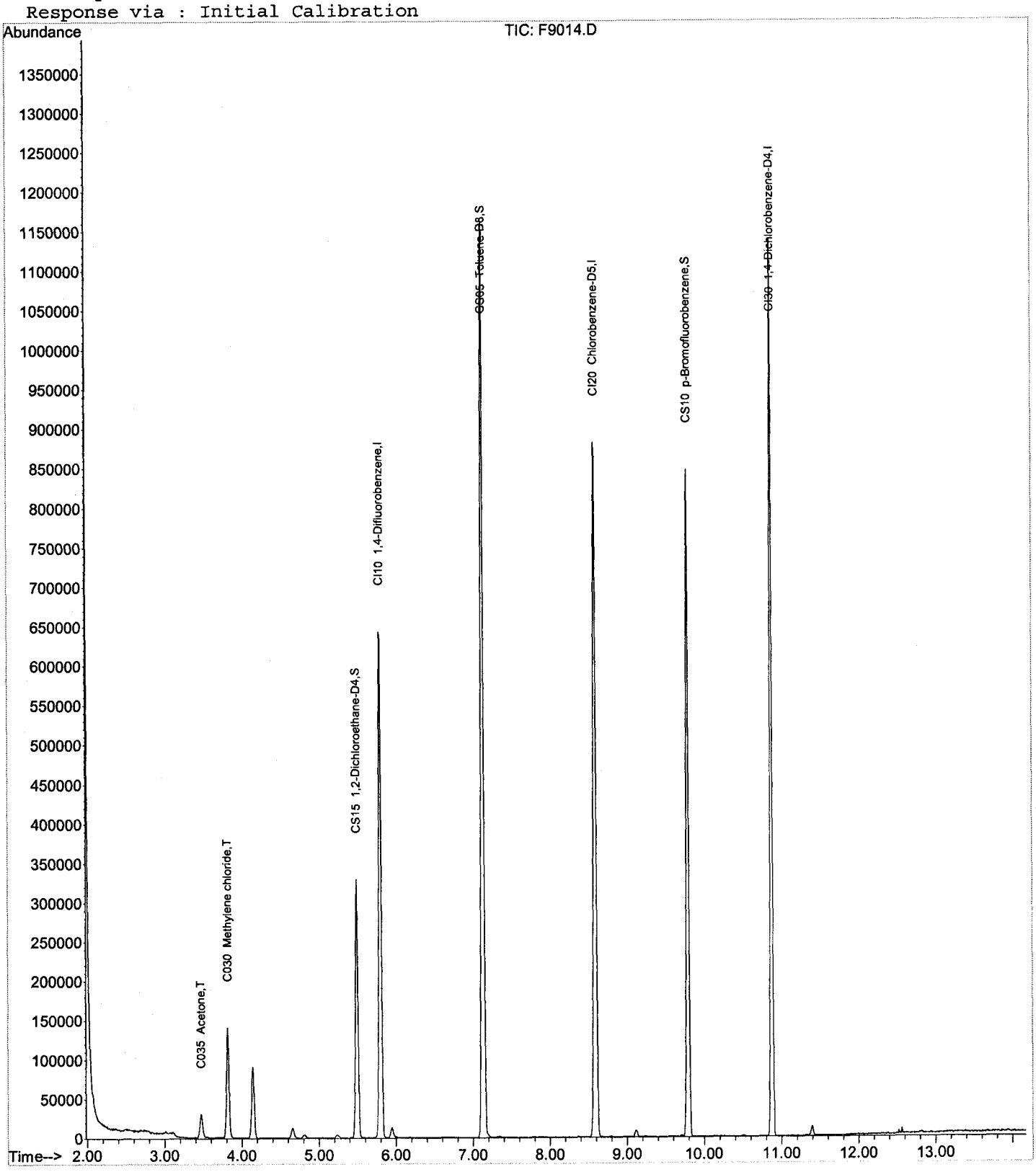
12/14/10

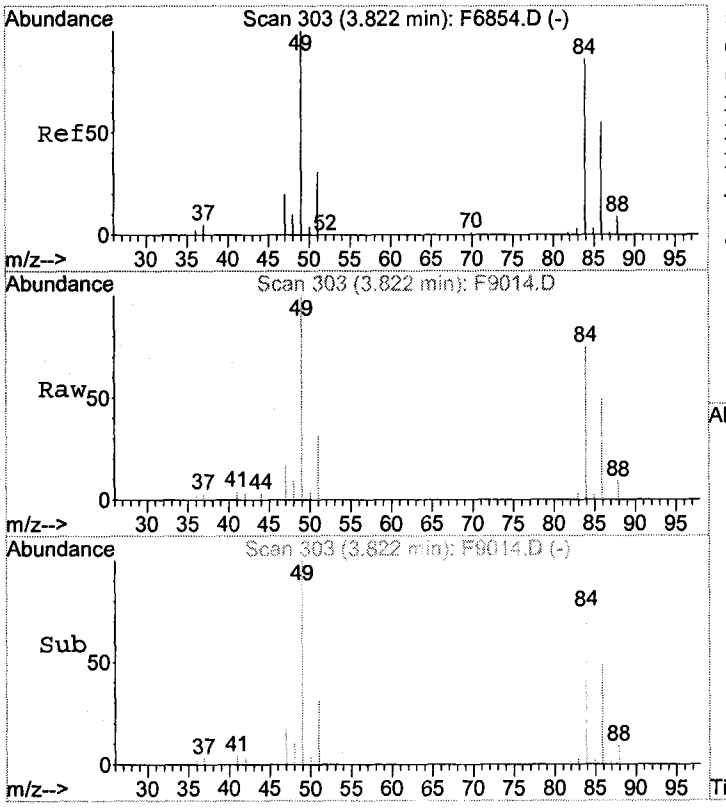
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9014.D Vial: 20
Acq On : 8 Dec 2010 18:24 Operator: PJQ
Sample : RTL0572-12 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:25 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration

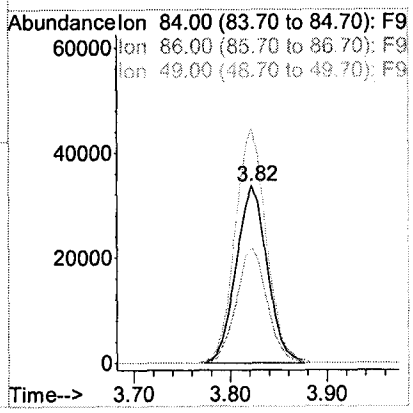


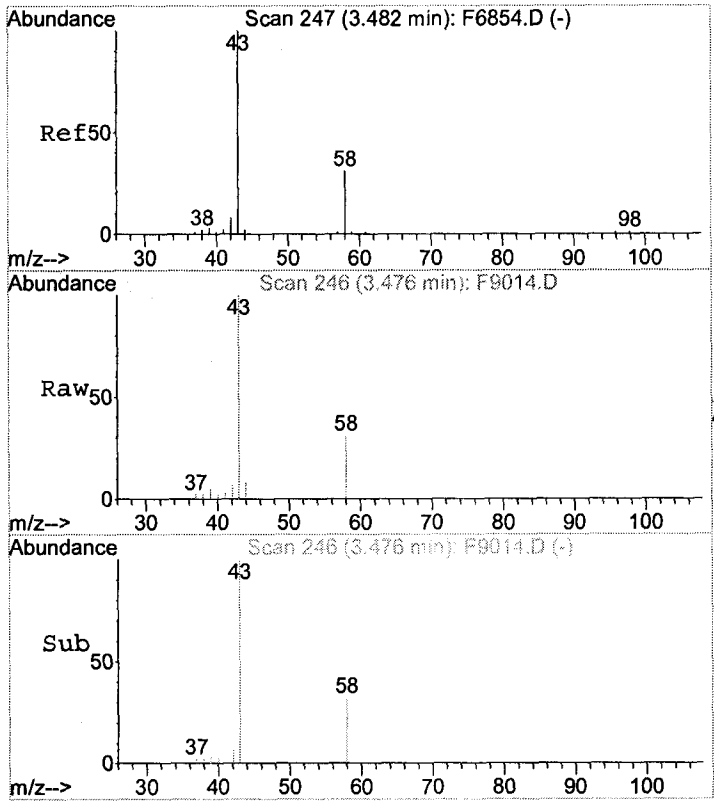


#10
C030 Methylene chloride
Concen: 18.43 ug/L
RT: 3.82 min Scan# 303
Delta R.T. 0.01 min
Lab File: F9014.D
Acq: 8 Dec 2010 18:24

Tgt Ion: 84 Resp: 75161

Ion	Ratio	Lower	Upper
84	100		
86	64.6	40.0	100.0
49	132.7	95.0	155.0

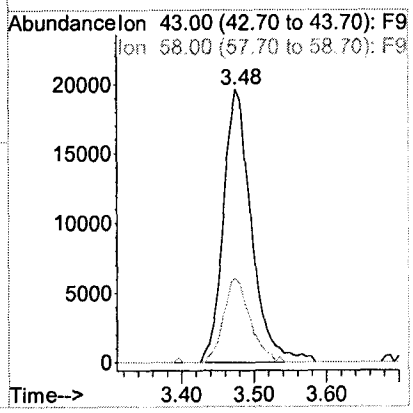




#14
C035 Acetone
Concen: 45.38 ug/L
RT: 3.48 min Scan# 246
Delta R.T. 0.01 min
Lab File: F9014.D
Acq: 8 Dec 2010 18:24

Tgt Ion: 43 Resp: 52574

Ion	Ratio	Lower	Upper
43	100		
58	30.8	3.0	63.0



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9014.D
Acq On : 8 Dec 2010 18:24
Sample : RTL0572-12
Misc :
MS Integration Params: Lscint.p

Vial: 20
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

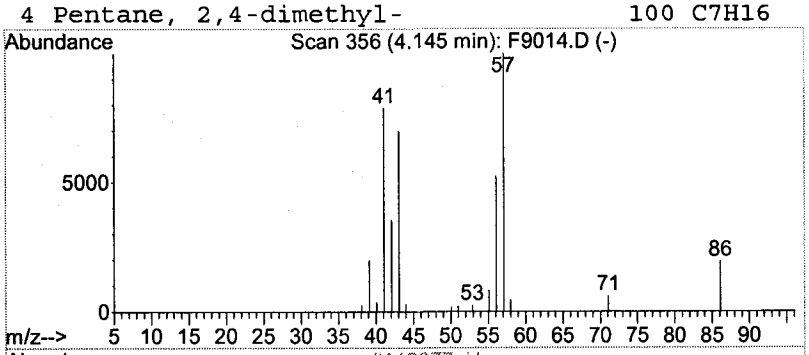
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

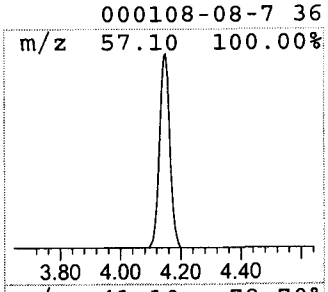
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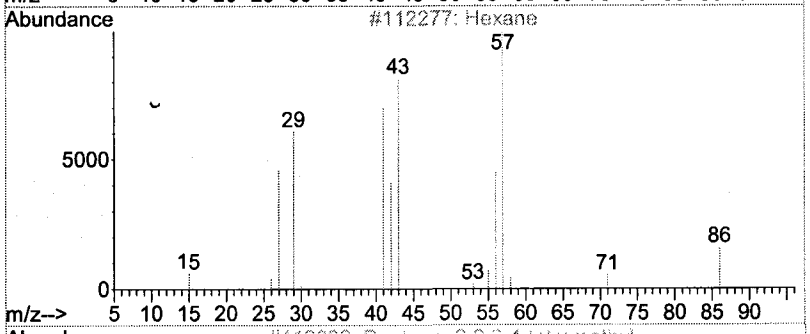
Peak Number 1 Hexane — Concentration Rank 1

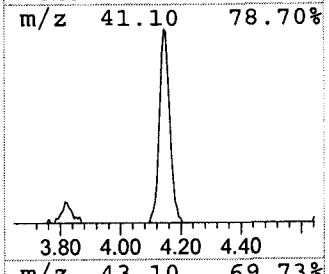
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.14	7.48 ug/L	216098	CI10 1,4-Difluor	1445140	5.81

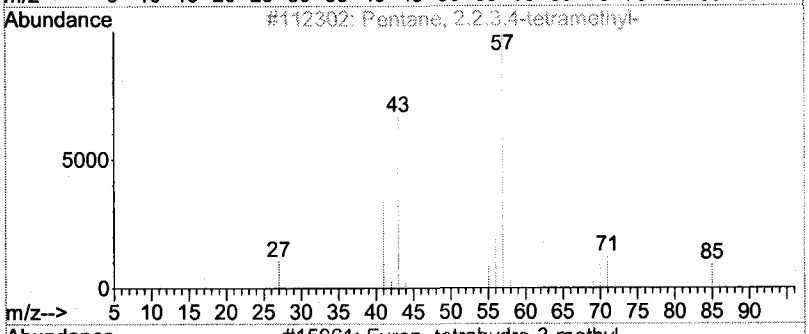
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38
3	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	38
4	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	36

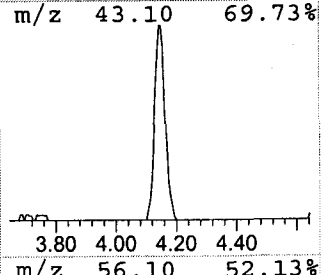


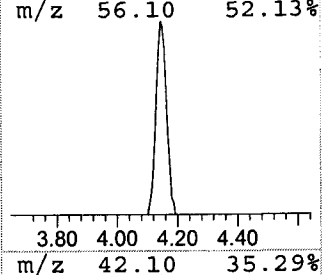


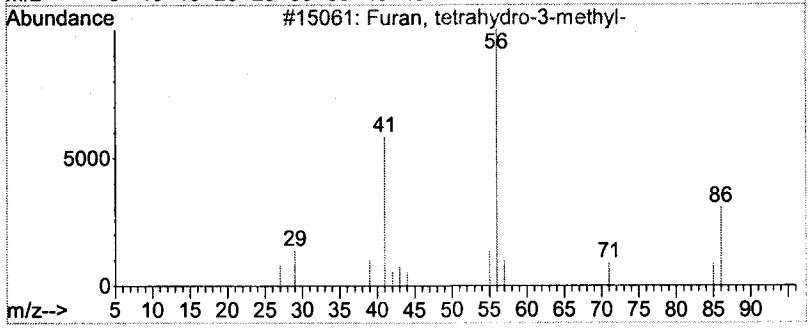


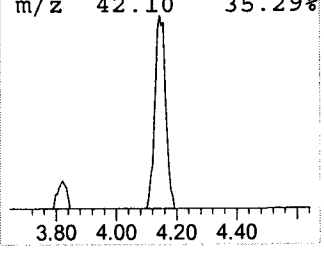












Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 18:24
Data File: H:\GCMS_VOA\F\120810\F9014.D
Name: RTL0572-12
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane	4.14	7.5	ug/L	216098	1	5.81	1445140	50.0

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SP-12-6-10

Laboratory: TestAmerica Buffalo SDG: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid Laboratory ID: RTL0572-13 File ID: F9015.D

Sampled: 12/06/10 15:20 Prepared: 12/08/10 10:55 Analyzed: 12/08/10 18:50

Solids: 72.68 Preparation: 5030B MS Initial/Final: 5.03 g / 5 mL

Batch: 10L0624 Sequence: T005584 Calibration: R10L016 Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.8	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	6.8	U
79-00-5	1,1,2-Trichloroethane	1	6.8	U
75-34-3	1,1-Dichloroethane	1	6.8	U
75-35-4	1,1-Dichloroethene	1	6.8	U
120-82-1	1,2,4-Trichlorobenzene	1	6.8	U
95-63-6	1,2,4-Trimethylbenzene	1	11	
96-12-8	1,2-Dibromo-3-chloropropane	1	6.8	U
106-93-4	1,2-Dibromoethane (EDB)	1	6.8	U
95-50-1	1,2-Dichlorobenzene	1	6.8	U
107-06-2	1,2-Dichloroethane	1	6.8	U
78-87-5	1,2-Dichloropropane	1	6.8	U
108-67-8	1,3,5-Trimethylbenzene	1	2.9	J
541-73-1	1,3-Dichlorobenzene	1	6.8	U
106-46-7	1,4-Dichlorobenzene	1	6.8	U
78-93-3	2-Butanone (MEK)	1	34	U
591-78-6	2-Hexanone	1	34	U
99-87-6	4-Isopropyltoluene	1	6.8	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	34	U
67-64-1	Acetone	1	44	
71-43-2	Benzene	1	6.8	U
75-27-4	Bromodichloromethane	1	6.8	U
75-25-2	Bromoform	1	6.8	U
74-83-9	Bromomethane	1	6.8	U
75-15-0	Carbon disulfide	1	6.8	U
56-23-5	Carbon Tetrachloride	1	6.8	U
108-90-7	Chlorobenzene	1	6.8	U
124-48-1	Chlorodibromomethane	1	6.8	U
75-00-3	Chloroethane	1	6.8	U
67-66-3	Chloroform	1	6.8	U
74-87-3	Chloromethane	1	6.8	U
156-59-2	cis-1,2-Dichloroethene	1	6.8	U
10061-01-5	cis-1,3-Dichloropropene	1	6.8	U
110-82-7	Cyclohexane	1	6.8	U
75-71-8	Dichlorodifluoromethane	1	6.8	U
100-41-4	Ethylbenzene	1	5.3	J
98-82-8	Isopropylbenzene	1	1.5	J
79-20-9	Methyl Acetate	1	6.8	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SP-12-6-10

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-13	File ID:	F9015.D
Sampled:	12/06/10 15:20	Prepared:	12/08/10 10:55	Analyzed:	12/08/10 18:50
Solids:	72.68	Preparation:	5030B MS	Initial/Final:	5.03 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	6.8	U
108-87-2	Methylcyclohexane	1	6.8	U
75-09-2	Methylene Chloride	1	25	
91-20-3	Naphthalene	1	230	
104-51-8	n-Butylbenzene	1	6.8	U
103-65-1	n-Propylbenzene	1	6.8	U
135-98-8	sec-Butylbenzene	1	6.8	U
100-42-5	Styrene	1	6.8	U
98-06-6	tert-Butylbenzene	1	6.8	U
127-18-4	Tetrachloroethene	1	6.8	U
108-88-3	Toluene	1	6.8	U
156-60-5	trans-1,2-Dichloroethene	1	6.8	U
10061-02-6	trans-1,3-Dichloropropene	1	6.8	U
79-01-6	Trichloroethene	1	6.8	U
75-69-4	Trichlorofluoromethane	1	6.8	U
75-01-4	Vinyl chloride	1	6.8	U
1330-20-7	Xylenes, total	1	15	

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
000620-14-4	Benzene, 1-ethyl-3-methyl-	10.07	10	
110-54-3	Hexane	4.145	11	
000496-11-7	Indane	11.11	30	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	53.5	107	64 - 126	
4-Bromofluorobenzene	50.0	49.9	100	72 - 126	
Toluene-d8	50.0	49.8	100	71 - 125	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	429094	10.88	390973	10.88	
1,4-Difluorobenzene	753899	5.8	707306	5.8	
Chlorobenzene-d5	376378	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9015.D
Acq On : 8 Dec 2010 18:50
Sample : RTL0572-13
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:29:24 2010

Vial: 21
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	753899	50.00	ug/L	0.00 106.59%
42) CI20	Chlorobenzene-D5	8.59	82	376378	50.00	ug/L	0.00 109.33%
62) CI30	1,4-Dichlorobenzene-	10.88	152	429094	50.00	ug/L	0.00 109.75%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	259861	53.50	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery	=	107.00%	
43) CS05	Toluene-D8	7.13	98	1065432	49.78	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery	=	99.56%	
61) CS10	p-Bromofluorobenzene	9.80	174	339439	49.92	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery	=	99.84%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	3.82	84	80921	18.48	ug/L	94
11) C040	Carbon disulfide	3.63	76	2020	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	3.47	43	39814	32.00	ug/L	96
15) C300	Acetonitrile	3.82	41	4622	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	5.06	42	476	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C256	Cyclohexane	0.00	56	0	N.D.		
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	5.52	78	9454	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	4.81	43	9317	N.D.		

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9015.D Vial: 21
Acq On : 8 Dec 2010 18:50 Operator: PJQ
Sample : RTL0572-13 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:29:24 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.			
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.			
37)	C012	Methylcyclohexane	6.19	83	325	N.D.			
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.			
39)	C278	Dibromomethane	0.00	93	0	N.D.			
40)	C130	Bromodichloromethane	0.00	83	0	N.D.			
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.			
44)	C230	Toluene	7.20	92	8010	N.D.			
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.			
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.			
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.			
48)	C210	4-Methyl-2-pentanone	7.13	43	4914	N.D.			
49)	C220	Tetrachloroethene	0.00	166	0	N.D.			
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.			
51)	C155	Dibromochloromethane	0.00	129	0	N.D.			
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.			
53)	C215	2-Hexanone	7.62	43	342	N.D.			
54)	C235	Chlorobenzene	0.00	112	0	N.D.			
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.			
56)	C240	Ethylbenzene	8.68	91	104452	3.87	ug/L		96
57)	C246	m,p-Xylene	8.79	106	71518	6.29	ug/L		95
58)	C247	o-Xylene	9.23	106	53511	4.89	ug/L	#	73
59)	C245	Styrene	9.23	104	2224	N.D.			
60)	C180	Bromoform	0.00	173	0	N.D.			
63)	C966	Isopropylbenzene	9.59	105	30573	1.10	ug/L		97
64)	C301	Bromobenzene	0.00	156	0	N.D.			
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.			
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.			
67)	C283	t-1,4-Dichloro-2-But	10.07	53	2137	N.D.			
68)	C302	n-Propylbenzene	9.99	91	13224	N.D.			
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.			
70)	C289	P 4-Chlorotoluene	10.39	126	1660	N.D.			
71)	C304	1,3,5-Trimethylbenze	10.15	105	52311	2.11	ug/L		85
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.			
73)	C307	1,2,4-Trimethylbenze	10.51	105	197145	7.79	ug/L		95
74)	C308	sec-Butylbenzene	10.51	105	197145	6.28	ug/L		51
75)	C260	1,3-Dichlorobenzene	10.90	146	258	N.D.			
76)	C309	p-Cymene (4-Isopropy	10.78	119	5589	N.D.			
77)	C267	1,4-Dichlorobenzene	10.90	146	258	N.D.			
78)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.			
79)	C310	n-Butylbenzene	11.11	91	55548	2.45	ug/L		65
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.			
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.			
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.			
83)	C314	Naphthalene	12.83	128	3492440	166.82	ug/L		95
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.			

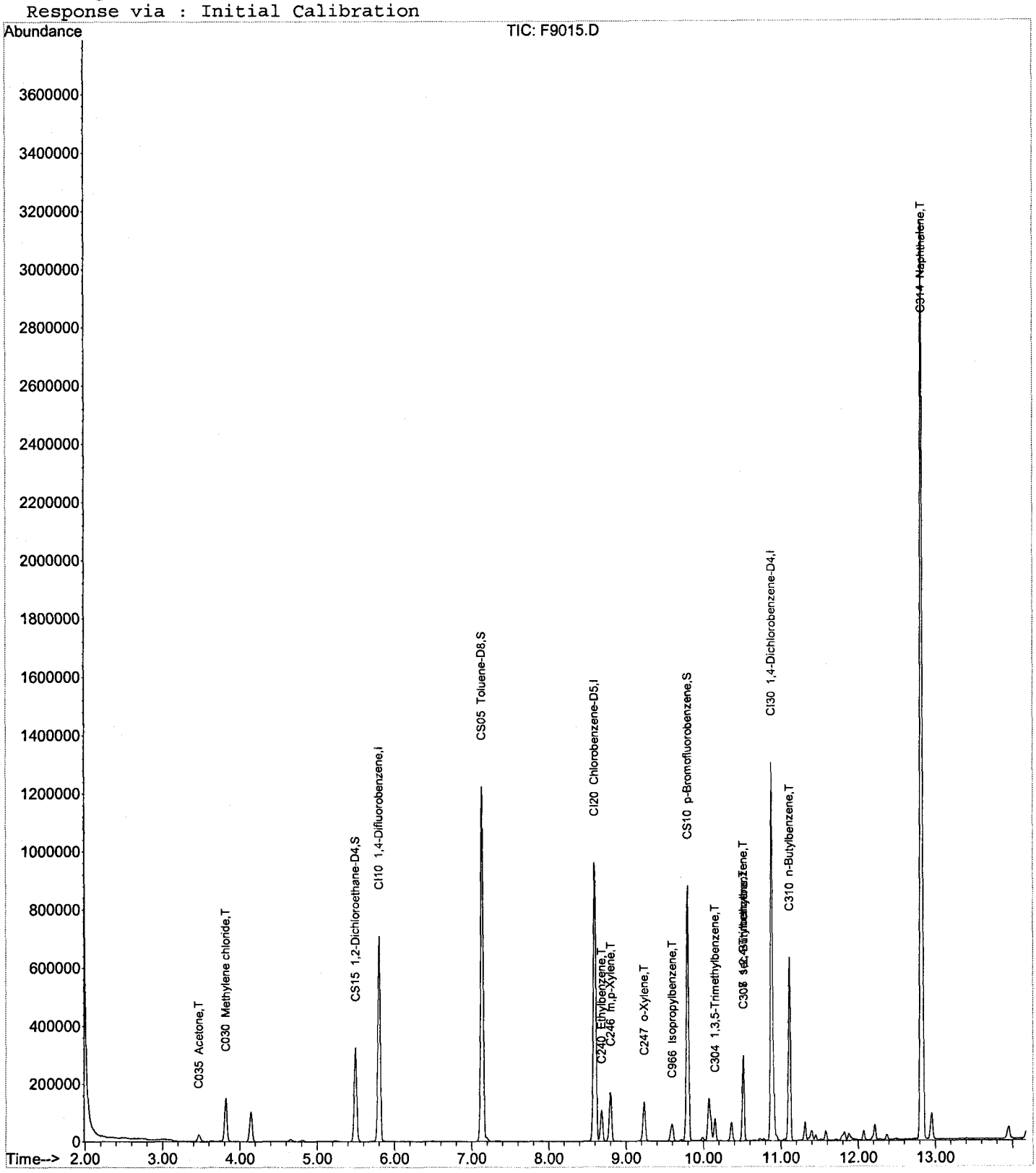
(#) = qualifier out of range (m) = manual integration

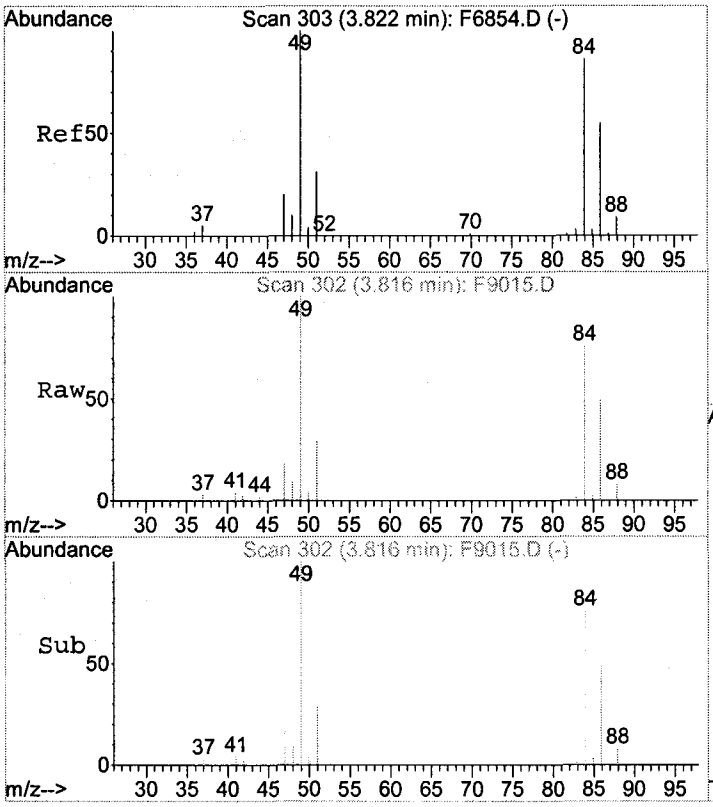
12/14/2010

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9015.D Vial: 21
Acq On : 8 Dec 2010 18:50 Operator: PJQ
Sample : RTL0572-13 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:25 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration

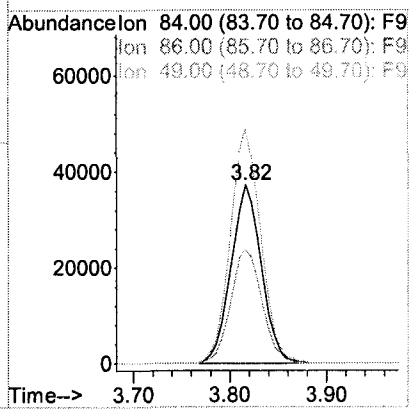


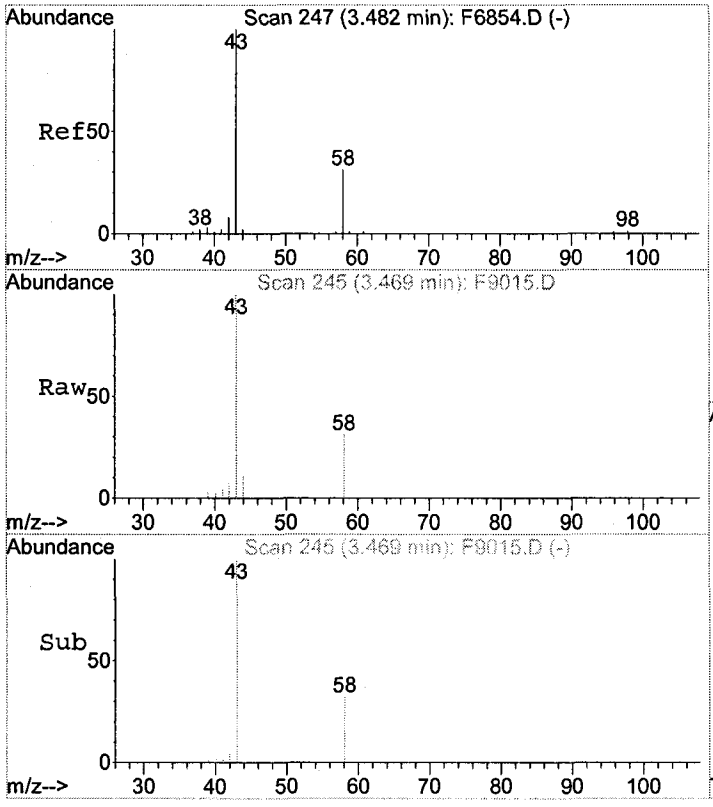


#10
C030 Methylene chloride
Concen: 18.48 ug/L
RT: 3.82 min Scan# 302
Delta R.T. 0.00 min
Lab File: F9015.D
Acq: 8 Dec 2010 18:50

Tgt Ion: 84 Resp: 80921

Ion	Ratio	Lower	Upper
84	100		
86	63.7	40.0	100.0
49	131.3	95.0	155.0

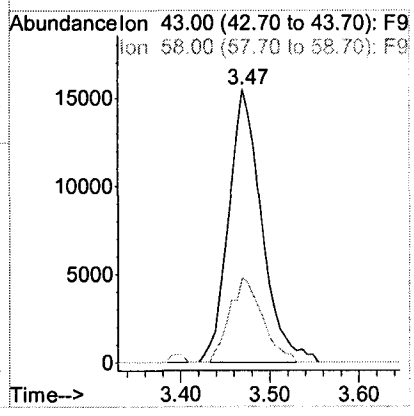


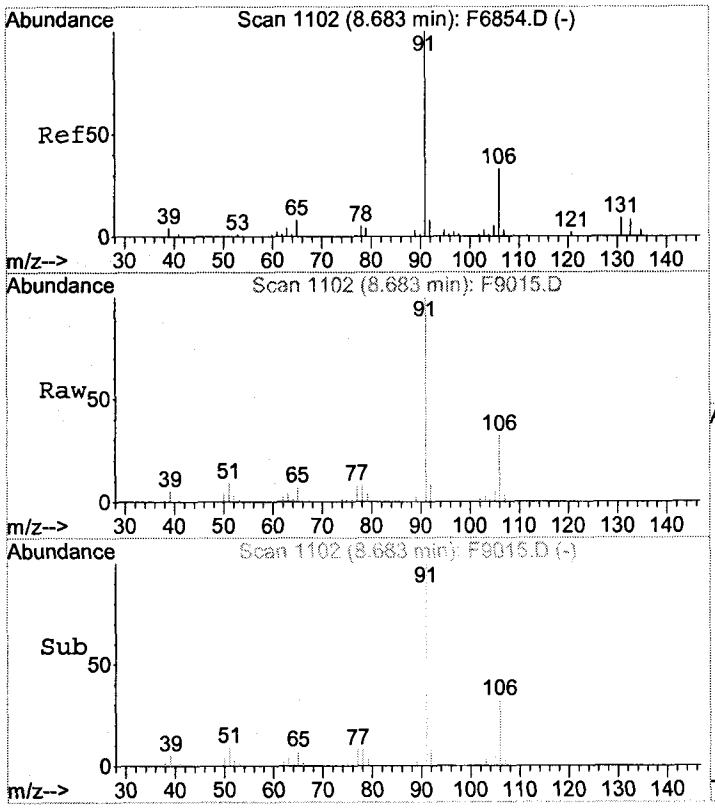


#14
C035 Acetone
Concen: 32.00 ug/L
RT: 3.47 min Scan# 245
Delta R.T. 0.00 min
Lab File: F9015.D
Acq: 8 Dec 2010 18:50

Tgt Ion: 43 Resp: 39814

Ion	Ratio	Lower	Upper
43	100		
58	30.9	3.0	63.0

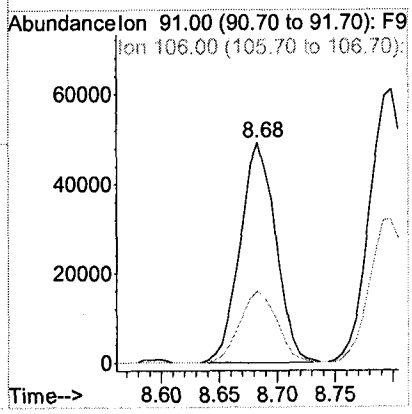


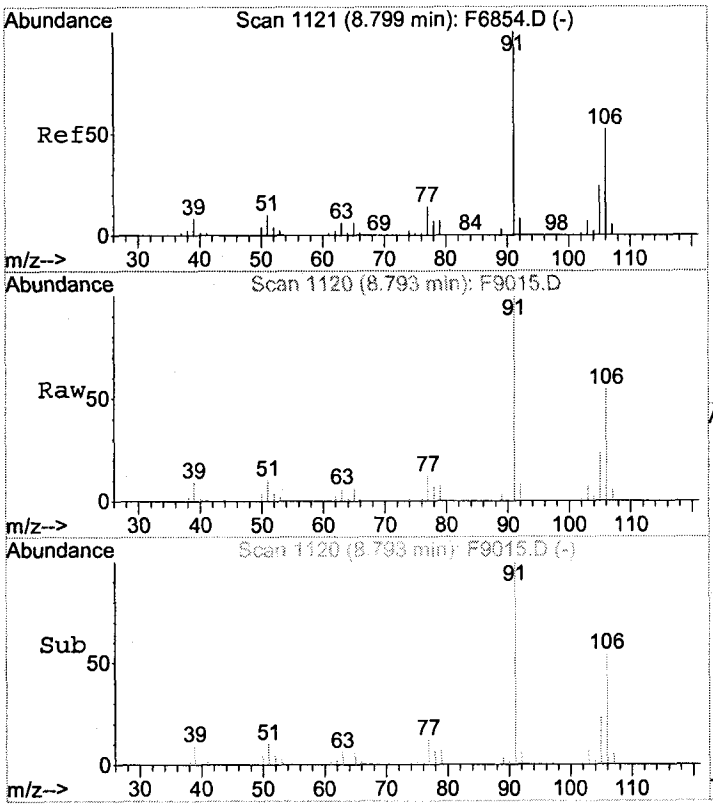


#56
C240 Ethylbenzene
Concen: 3.87 ug/L
RT: 8.68 min Scan# 1102
Delta R.T. 0.00 min
Lab File: F9015.D
Acq: 8 Dec 2010 18:50

Tgt Ion: 91 Resp: 104452

Ion	Ratio	Lower	Upper
91	100		
106	32.4	0.0	60.0

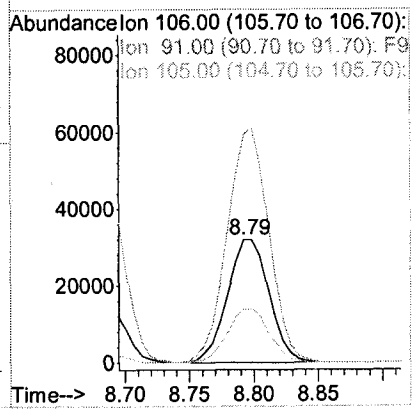


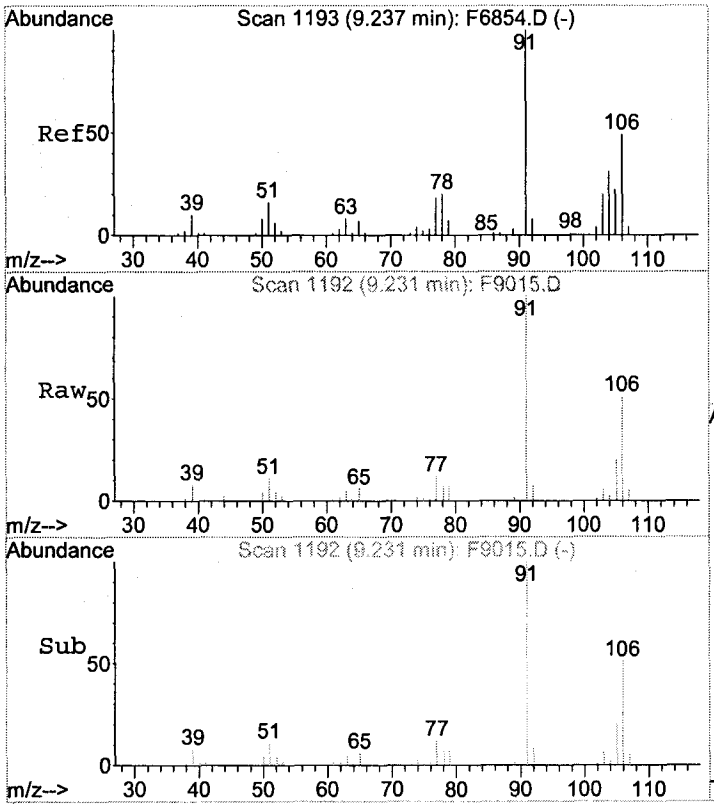


#57
C246 m,p-Xylene
Concen: 6.29 ug/L
RT: 8.79 min Scan# 1120
Delta R.T. -0.01 min
Lab File: F9015.D
Acq: 8 Dec 2010 18:50

Tgt Ion:106 Resp: 71518

Ion	Ratio	Lower	Upper
106	100		
91	186.0	164.6	224.6
105	43.1	12.6	72.6

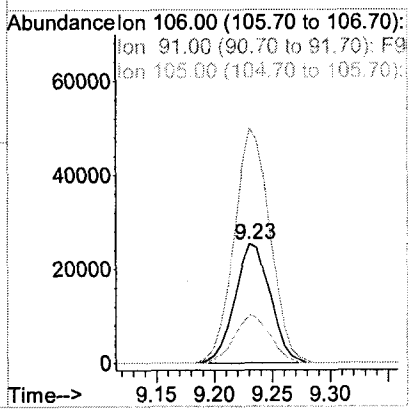


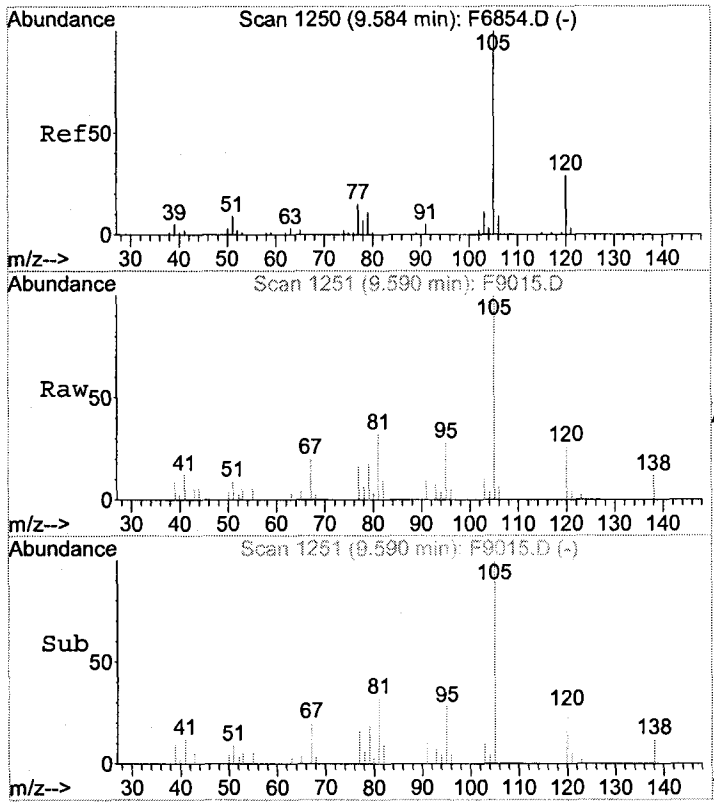


#58
C247 o-Xylene
Concen: 4.89 ug/L
RT: 9.23 min Scan# 1192
Delta R.T. -0.01 min
Lab File: F9015.D
Acq: 8 Dec 2010 18:50

Tgt Ion:106 Resp: 53511

Ion	Ratio	Lower	Upper
106	100		
91	197.0	183.0	243.0
105	40.1	73.4	133.4#

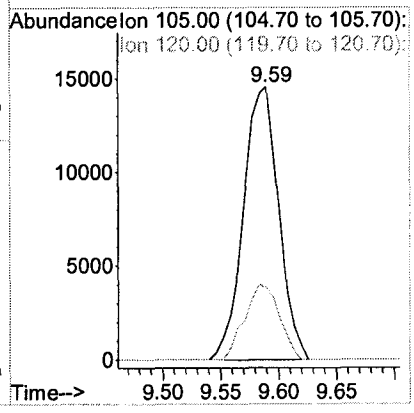


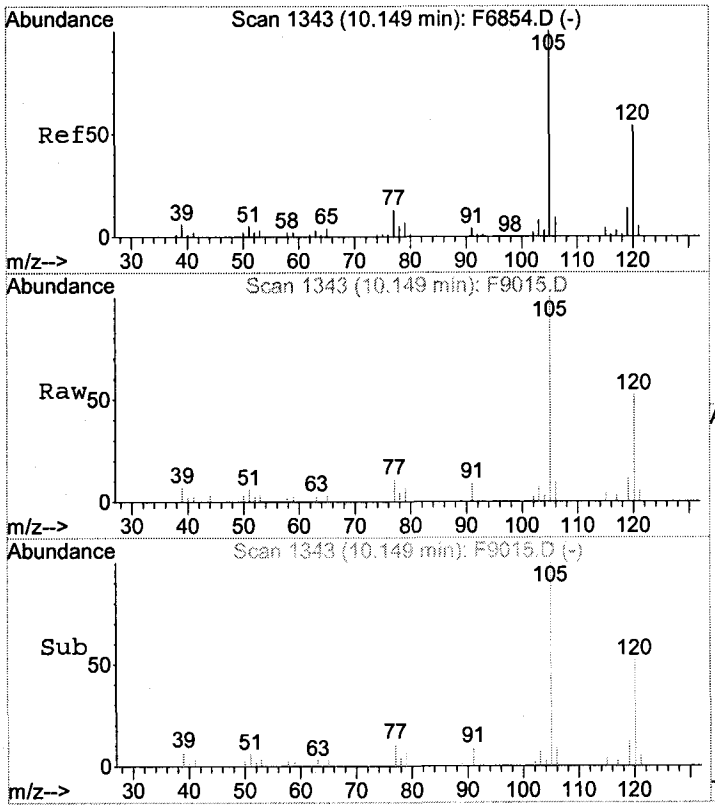


#63
C966 Isopropylbenzene
Concen: 1.10 ug/L
RT: 9.59 min Scan# 1251
Delta R.T. 0.01 min
Lab File: F9015.D
Acq: 8 Dec 2010 18:50

Tgt Ion:105 Resp: 30573

Ion	Ratio	Lower	Upper
105	100		
120	26.0	0.0	54.4

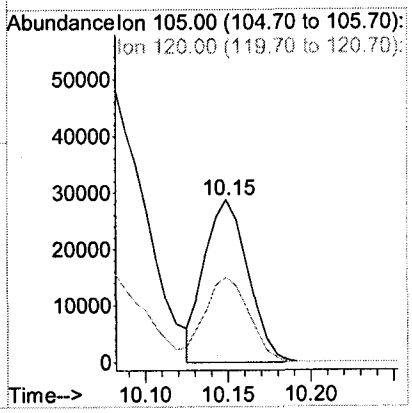


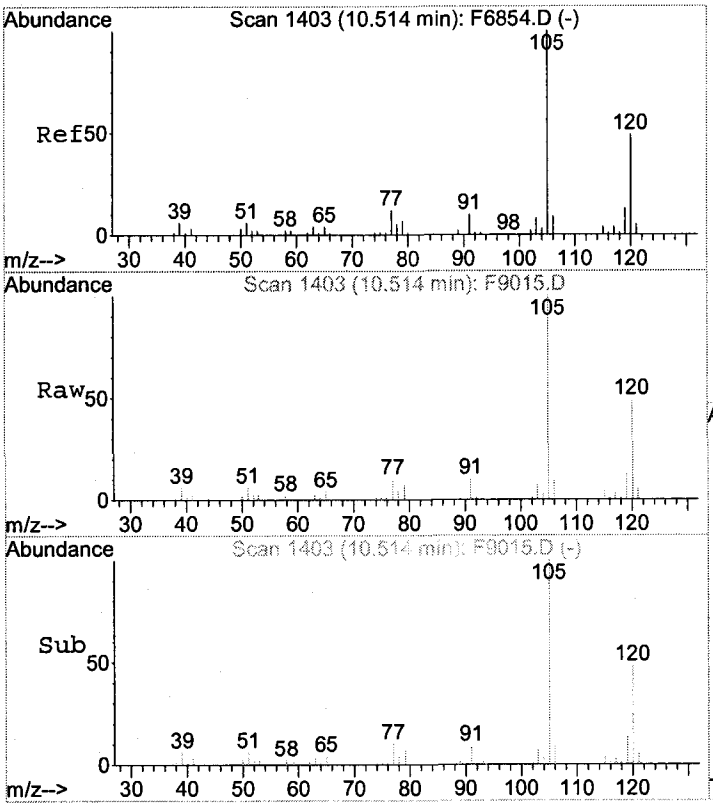


#71
C304 1,3,5-Trimethylbenzene
Concen: 2.11 ug/L
RT: 10.15 min Scan# 1343
Delta R.T. 0.00 min
Lab File: F9015.D
Acq: 8 Dec 2010 18:50

Tgt Ion:105 Resp: 52311

Ion	Ratio	Lower	Upper
105	100		
120	52.0	34.0	94.0

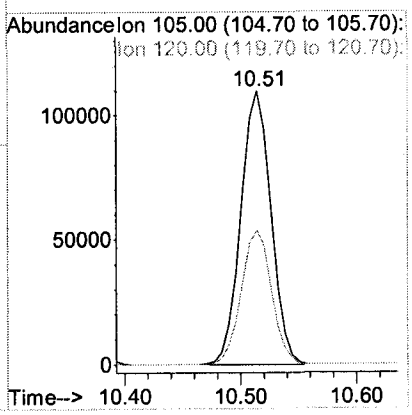


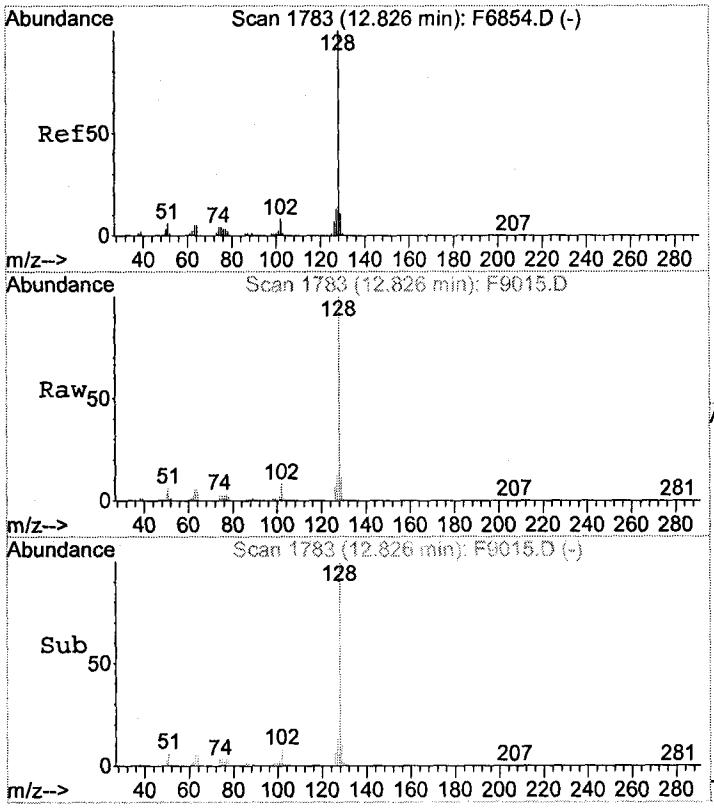


#73
C307 1,2,4-Trimethylbenzene
Concen: 7.79 ug/L
RT: 10.51 min Scan# 1403
Delta R.T. 0.00 min
Lab File: F9015.D
Acq: 8 Dec 2010 18:50

Tgt Ion:105 Resp: 197145

Ion	Ratio	Lower	Upper
105	100		
120	48.7	22.5	82.5

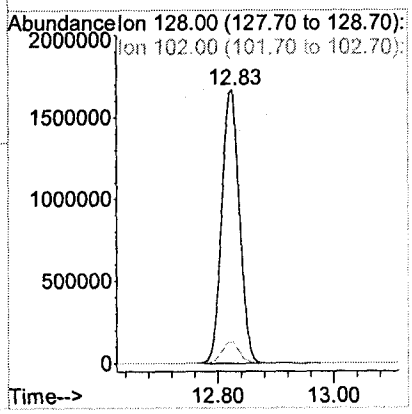




#83
C314 Naphthalene
Concen: 166.82 ug/L
RT: 12.83 min Scan# 1783
Delta R.T. 0.01 min
Lab File: F9015.D
Acq: 8 Dec 2010 18:50

Tgt Ion:128 Resp: 3492440

Ion	Ratio	Lower	Upper
128	100		
102	7.7	0.0	39.4



Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9015.D
Acq On : 8 Dec 2010 18:50
Sample : RTL0572-13
Misc :
MS Integration Params: Lscint.p

Vial: 21
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

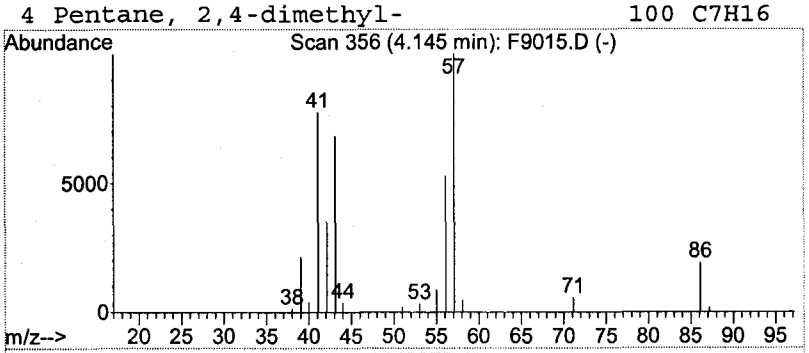
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

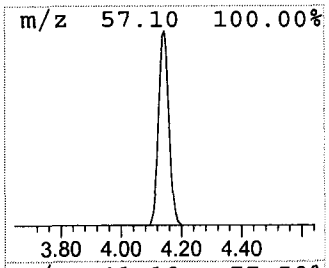
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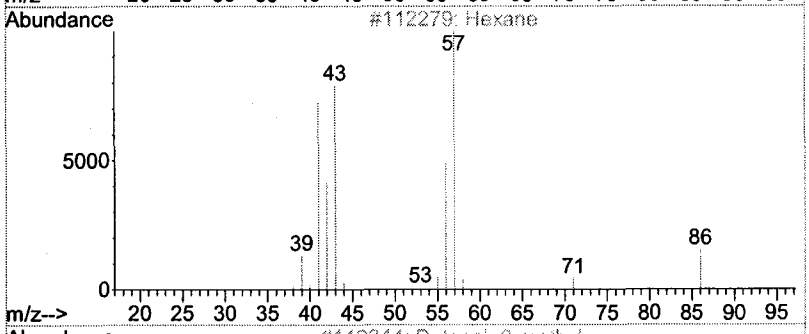
Peak Number 1 Hexane — Concentration Rank 2

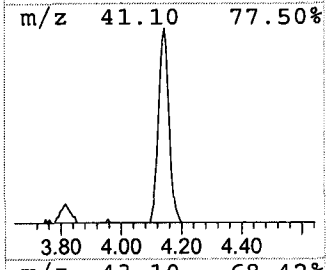
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.14	7.85 ug/L	245183	CI10 1,4-Difluor	1562150	5.80

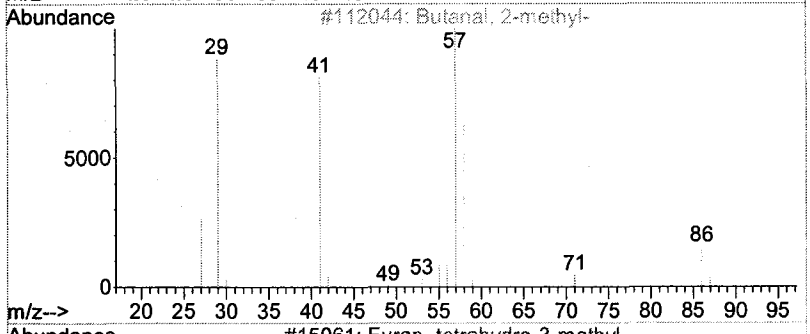
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Butanal, 2-methyl-	86	C5H10O	000096-17-3	43
3	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	38
4	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	36

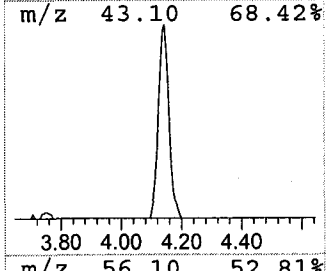


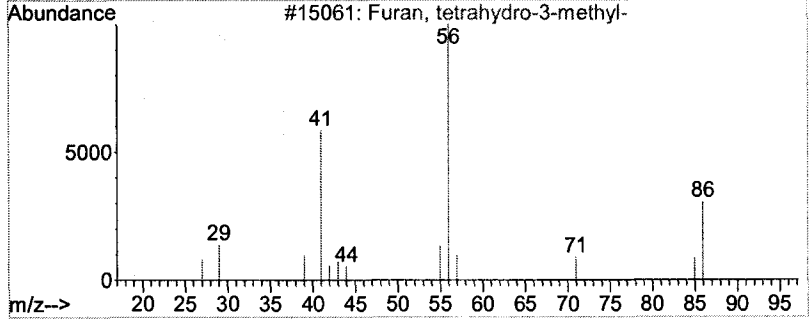


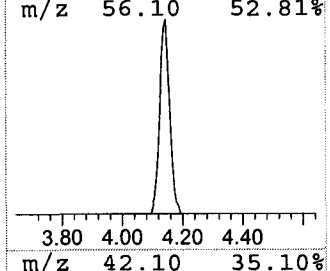


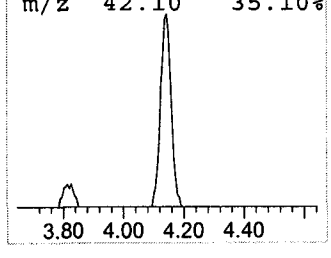












Data File : H:\GCMS_VOA\F\120810\F9015.D
Acq On : 8 Dec 2010 18:50
Sample : RTL0572-13
Misc :
MS Integration Params: Lscint.p

Vial: 21
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

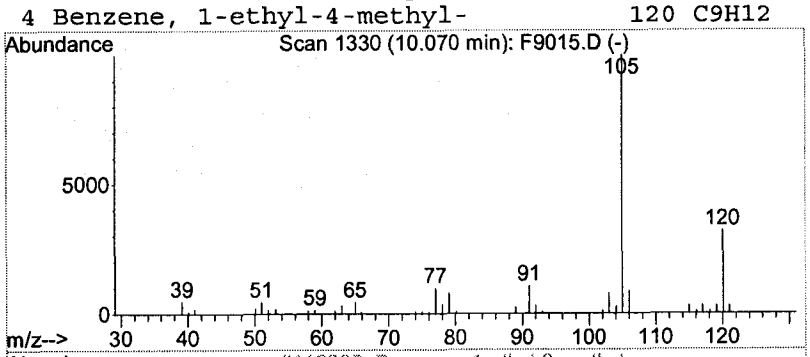
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

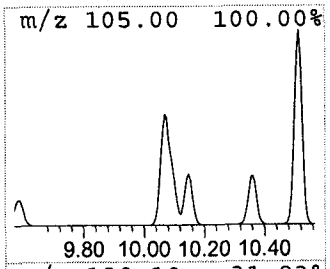
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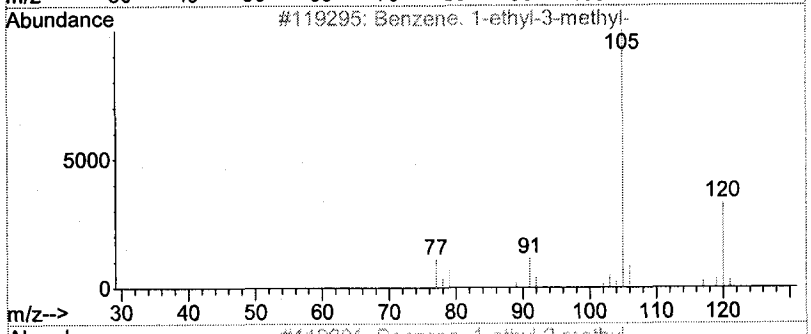
Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

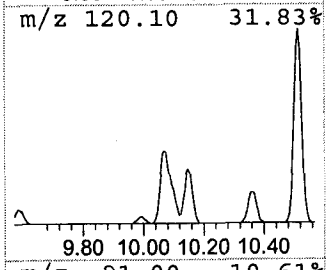
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
10.07	7.30 ug/L	376372	CI30 1,4-Dichlor	2579340	10.88

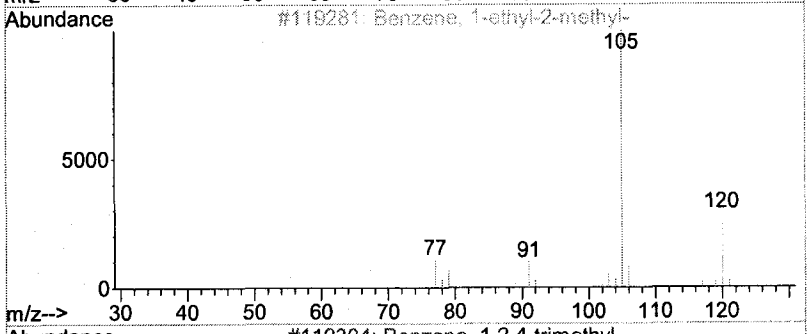
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91

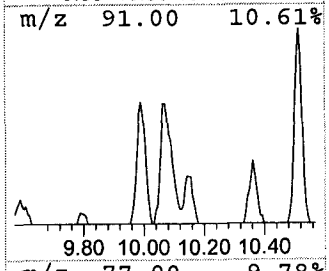


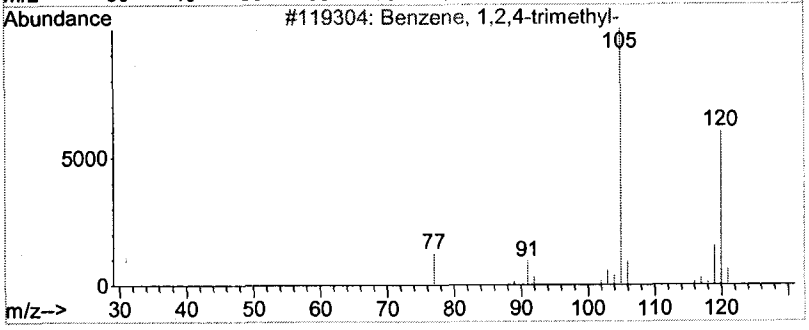


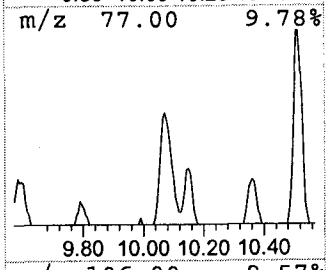


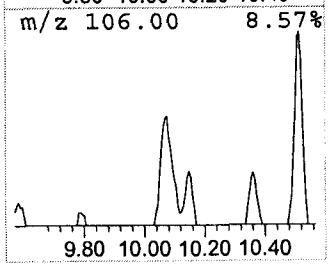












Library Search Compound Report

Data File : H:\GCMS_VOA\F\120810\F9015.D
Acq On : 8 Dec 2010 18:50
Sample : RTL0572-13
Misc :
MS Integration Params: Lscint.p

Vial: 21
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

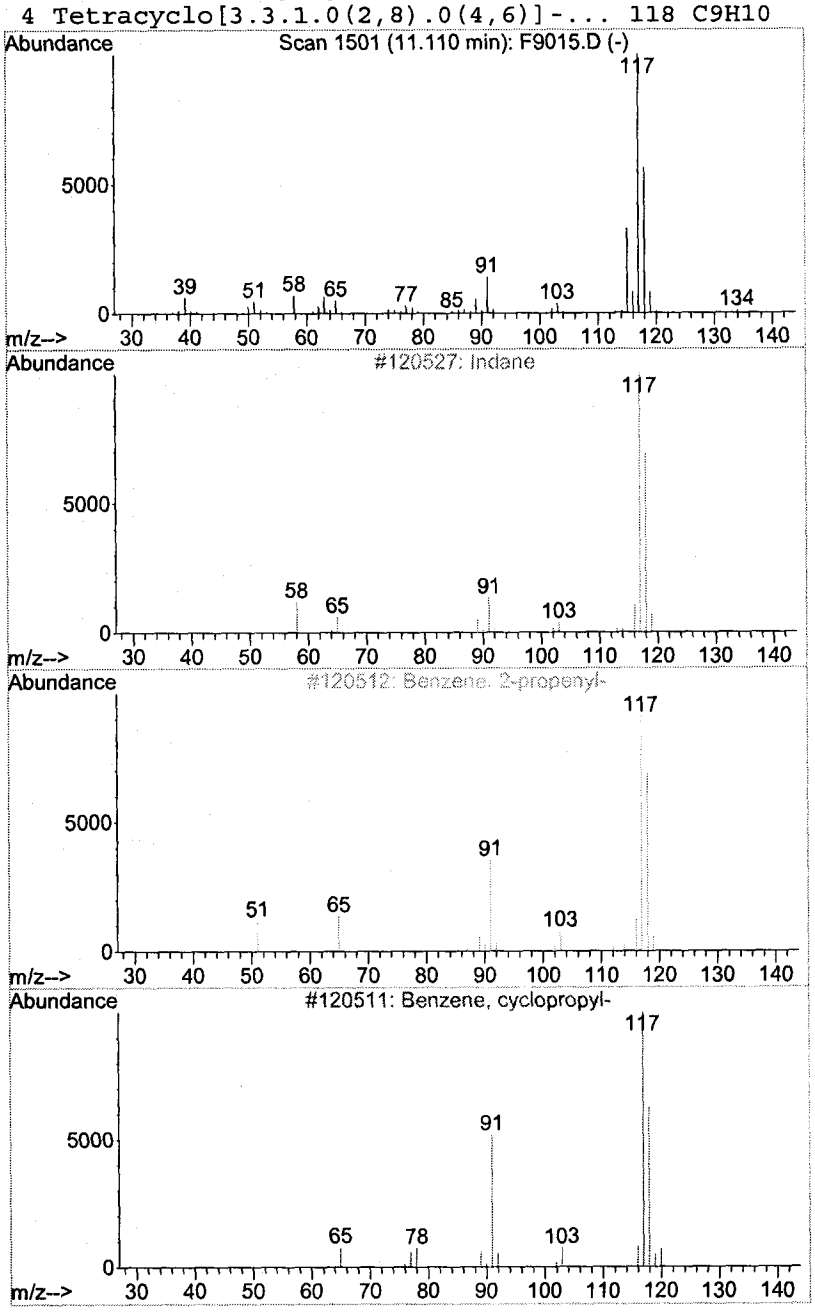
Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Library : C:\DATABASE\NIST98.L

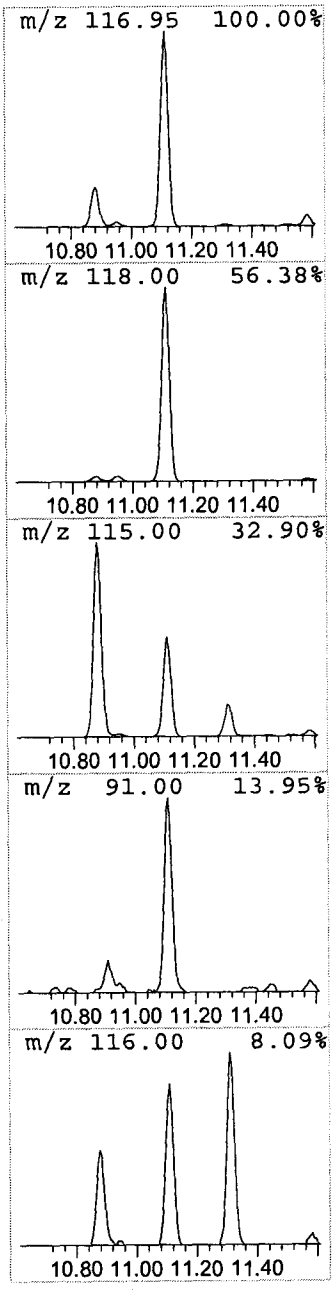
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Peak Number 3 Indane — Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
11.11	21.77 ug/L	1123300	CI30 1,4-Dichlor	2579340	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	83





Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 18:50
Data File: H:\GCMS_VOA\F\120810\F9015.D
Name: RTL0572-13
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane	4.14	7.8	ug/L	245183	1	5.80	1562150	50.0
Benzene, 1-ethyl-...	10.07	7.3	ug/L	376372	3	10.88	2579340	50.0
Indane	11.11	21.8	ug/L	1123300	3	10.88	2579340	50.0

Form 6

INITIAL CALIBRATION DATA

8260B

Laboratory: TestAmerica Buffalo

Client: PARS Environmental, Inc.

Calibration: R10L016

SDG: RTL0572

Project: NF Armed Forces Reserve Center Solids Testi

Instrument: HP5973F

Calibration Date: 12/04/10 16:58

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/kg	RF	ug/kg	RF	ug/kg	RF	ug/kg	RF	ug/kg	RF	ug/kg	RF
1,1,1,2-Tetrachloroethane	5	0.7581511	20	0.7694327	50	0.8227425	100	0.7971858	200	0.7514549		
1,1,1-Trichloroethane	5	0.4664456	20	0.4637622	50	0.484554	100	0.4579457	200	0.4091335		
1,1,2,2-Tetrachloroethane	5	0.6944915	20	0.6920457	50	0.6812549	100	0.6756114	200	0.6172954		
1,1,2-Trichloro-1,2,2-trifluoroethane	5	0.2499648	20	0.2527323	50	0.2597817	100	0.2497504	200	0.211089		
1,1,2-Trichloroethane	5	0.4973347	20	0.5064308	50	0.5081053	100	0.4911114	200	0.4633197		
1,1-Dichloroethane	5	0.56705	20	0.5565159	50	0.5767871	100	0.5461177	200	0.4941167		
1,1-Dichloroethene	5	0.2610544	20	0.2514245	50	0.2612233	100	0.2465487	200	0.2178625		
1,1-Dichloropropene	5	0.4323404	20	0.4248543	50	0.4376204	100	0.4115327	200	0.3660697		
1,1-Dimethoxyethane											25	6.474129E-02
1,2,3-Trichlorobenzene	5	0.8890634	20	0.9224281	50	0.9272629	100	0.8595046	200	0.8147485		
1,2,3-Trichloropropane	5	0.2167215	20	0.2404964	50	0.2291157	100	0.2295545	200	0.2056414		
1,2,3-Trimethylbenzene											5	2.985537
1,2,4-Trichlorobenzene	5	1.016604	20	1.015462	50	1.037897	100	0.9425368	200	0.9041436		
1,2,4-Trimethylbenzene	5	3.209633	20	3.018245	50	3.091128	100	2.84138	200	2.584234		
1,2-Dibromo-3-chloropropane	5	9.684188E-02	20	0.1131433	50	0.1142893	100	0.1188793	200	0.1101615		
1,2-Dibromoethane (EDB)	5	0.6472876	20	0.6694716	50	0.6857467	100	0.6607921	200	0.6194168		
1,2-Dichlorobenzene	5	1.717396	20	1.685734	50	1.723689	100	1.603521	200	1.497346		
1,2-Dichloroethane	5	0.3926715	20	0.4085459	50	0.4089303	100	0.3953758	200	0.3634939		
1,2-Dichloroethane-d4	5	0.3374392	20	0.327299	50	0.3392629	100	0.317756	200	0.2890271		
1,2-Dichloroethene, Total	10	0.3577743	40	0.3590297	100	0.3685898	200	0.3475718	400	0.3187385		
1,2-Dichloropropane	5	0.3315206	20	0.3340513	50	0.3381498	100	0.3223965	200	0.297928		
1,3,5-Trimethylbenzene	5	3.155313	20	2.985095	50	3.043465	100	2.79275	200	2.500476		
1,3-Dichlorobenzene	5	1.843438	20	1.826676	50	1.882357	100	1.739794	200	1.623125		
1,3-Dichloropropane	5	1.038297	20	1.090427	50	1.084557	100	1.036183	200	0.9640409		
1,4-Dichlorobenzene	5	1.875885	20	1.826253	50	1.862227	100	1.741333	200	1.619832		
1,4-Dioxane											200	3.544227E-03
2,2-Dichloropropane	5	0.4332149	20	0.4078183	50	0.4160442	100	0.3873736	200	0.3410771		
2-Butanone (MEK)	25	0.1464885	100	0.1537582	250	0.1428117	500	0.1462236	1000	0.127184		
2-Chloroethyl vinyl ether	25	0.1869331	100	0.203604	250	0.1980118	500	0.1960674	1000	0.1751138		
2-Chlorotoluene	5	0.9512377	20	0.9180482	50	0.9549234	100	0.8927621	200	0.820472		
2-Hexanone	25	0.4594171	100	0.5228329	250	0.502009	500	0.5073715	1000	0.4380364		
2-Nitropropane											25	0.1354118
3-Chlorotoluene											5	2.462507
4-Bromofluorobenzene	5	0.9260259	20	0.8803092	50	0.9933518	100	0.8990744	200	0.8181231		
4-Chlorotoluene	5	0.9587041	20	0.9630492	50	0.9908938	100	0.9277201	200	0.8671272		
4-Isopropyltoluene	5	3.399625	20	3.258424	50	3.414373	100	3.135531	200	2.77906		
4-Methyl-2-pentanone (MIBK)	25	0.6638826	100	0.7254631	250	0.6901887	500	0.6877954	1000	0.5944985		
Acetone	25	8.648329E-02	100	8.684067E-02	250	8.099621E-02	500	8.381836E-02	1000	7.439505E-02		
Acetonitrile	200	3.495902E-02	800	3.906381E-02	2000	3.684552E-02	4000	3.663397E-02	8000	3.284448E-02		
Acrolein	100	2.717954E-02	400	2.962991E-02	1000	2.894837E-02	2000	2.850212E-02	4000	2.522377E-02		
Acrylonitrile	25	9.694676E-02	100	0.1070831	250	0.1019	500	0.1030198	1000	0.093073		
Allyl chloride											5	0.6342767
Benzene	5	1.336779	20	1.346291	50	1.367687	100	1.292691	200	1.15769		
Bromobenzene	5	0.9494612	20	0.9325751	50	0.9410077	100	0.8831761	200	0.8211133		

Form 6

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testi
Calibration: R10L016
Instrument: HP5973F
Calibration Date: 12/04/10 16:58

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/kg	RF	ug/kg	RF	ug/kg	RF	ug/kg	RF	ug/kg	RF	ug/kg	RF
Bromochloromethane	5	0.18543	20	0.1887032	50	0.1911866	100	0.1862036	200	0.1736199		
Bromodichloromethane	5	0.3736735	20	0.3916919	50	0.4093964	100	0.3991554	200	0.3776061		
Bromoform	5	0.3157024	20	0.3623703	50	0.4002908	100	0.4258966	200	0.4204922		
Bromomethane	5	0.1683964	20	0.1210612	50	0.1149682	100	0.1068874	200	9.901037E-02		
Carbon disulfide	5	0.7918447	20	0.802405	50	0.8096463	100	0.7777684	200	0.6752275		
Carbon Tetrachloride	5	0.4086912	20	0.4048923	50	0.4351778	100	0.4195043	200	0.3769073		
Chlorobenzene	5	2.34347	20	2.306217	50	2.385924	100	2.218527	200	2.05679		
Chlorodibromomethane	5	0.6356555	20	0.6880216	50	0.7469972	100	0.7522722	200	0.7297209		
Chloroethane	5	0.1381695	20	0.1282369	50	0.1334701	100	0.1207408	200	0.1089836		
Chloroform	5	0.5623987	20	0.5430051	50	0.557856	100	0.5249157	200	0.4826724		
Chloromethane	5	0.4152182	20	0.3819571	50	0.3698073	100	0.3323403	200	0.286061		
Chloroprene											5	0.5198906
cis-1,2-Dichloroethene	5	0.3774503	20	0.3826627	50	0.3909365	100	0.3690878	200	0.3395534		
cis-1,3-Dichloropropene	5	0.4889922	20	0.5042226	50	0.5152741	100	0.4946363	200	0.4678675		
Cyclohexane	5	0.5842736	20	0.5540634	50	0.5447233	100	0.5103063	200	0.4398661		
Cyclohexanone											50	0.1034944
Dibromomethane	5	0.1779525	20	0.1881387	50	0.1838282	100	0.1826358	200	0.1685544		
Dichlorodifluoromethane	5	0.3078206	20	0.3057218	50	0.3130829	100	0.2943414	200	0.2485404		
Dicyclopentadiene											5	3.327077
Diethyl ether											5	0.6187053
Epichlorohydrin											100	3.185088E-02
Ethyl Acetate											5	0.363014
Ethyl Methacrylate	5	0.8149901	20	0.8995436	50	0.8842548	100	0.8774015	200	0.8094007		
Ethyl tert-Butyl Ether											5	1.054509
Ethylbenzene	5	3.799142	20	3.674534	50	3.804354	100	3.509476	200	3.163197		
Heptane											5	0.6560777
Hexachlorobutadiene	5	0.5016959	20	0.4903867	50	0.5010287	100	0.4629866	200	0.4085472		
Hexane											5	0.5481461
Iodomethane	5	0.5405871	20	0.5569581	50	0.5661887	100	0.5373137	200	0.4870256		
Isobutanol											200	2.047069E-02
Isopropyl ether											5	1.186957
Isopropylbenzene	5	3.531218	20	3.3433	50	3.42349	100	3.155775	200	2.792966		
Methacrylonitrile											5	0.2513563
Methyl Acetate	5	0.5561125	20	0.6313838	50	0.5820047	100	0.5905969	200	0.5257388		
Methyl Methacrylate											5	0.3566354
Methyl tert-Butyl Ether	5	0.8157474	20	0.8503107	50	0.8282347	100	0.8142339	200	0.7381766		
Methylcyclohexane	5	0.5570504	20	0.5654071	50	0.5673744	100	0.5463611	200	0.4714674		
Methylene Chloride	5	0.4308956	20	0.3374667	50	0.3265823	100	0.3060828	200	0.2836153		
m-Xylene & p-Xylene	10	1.575841	40	1.529971	100	1.604131	200	1.484813	400	1.356569		
Naphthalene	5	2.473451	20	2.566801	50	2.510859	100	2.422284	200	2.223991		
n-Butanol											200	1.243013E-02
n-Butylbenzene	5	2.799477	20	2.71423	50	2.823841	100	2.56934	200	2.277431		
n-Propylbenzene	5	4.334736	20	4.162309	50	4.252084	100	3.862675	200	3.333786		
o-Xylene	5	1.50938	20	1.464454	50	1.526485	100	1.435061	200	1.332473		

Form 6

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testi
Calibration: R10L016
Instrument: HP5973F
Calibration Date: 12/04/10 16:58

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/kg	RF	ug/kg	RF	ug/kg	RF	ug/kg	RF	ug/kg	RF	ug/kg	RF
Propionitrile											50	4.575189E-02
Propylene Oxide											25	6.657025E-02
sec-Butylbenzene	5	3.996941	20	3.759817	50	3.884476	100	3.542485	200	3.095681		
Styrene	5	2.318799	20	2.30163	50	2.40664	100	2.273543	200	2.124195		
t-Butanol											100	3.950651E-02
Tert-Amyl Methyl Ether											5	0.8787111
tert-Butylbenzene	5	0.7360705	20	0.7053306	50	0.7309861	100	0.6811142	200	0.6115203		
Tetrachloroethene	5	0.9156863	20	0.8922831	50	0.9413203	100	0.8685197	200	0.7910325		
Tetrahydrofuran	25	9.627759E-02	100	0.1073171	250	9.946066E-02	500	0.1018697	1000	8.930274E-02		
Toluene	5	2.223674	20	2.029738	50	2.107224	100	1.929193	200	1.776994		
Toluene-d8	5	2.826272	20	2.760356	50	3.259459	100	2.849749	200	2.521535		
trans-1,2-Dichloroethene	5	0.3380982	20	0.3353968	50	0.3462431	100	0.3260559	200	0.2979236		
trans-1,3-Dichloropropene	5	0.9567575	20	1.002024	50	1.044327	100	1.001406	200	0.9480863		
trans-1,4-Dichloro-2-butene	25	0.1894593	100	0.2073217	250	0.1982178	500	0.1942479	1000	0.1669104		
Trichloroethene	5	0.3449928	20	0.3405652	50	0.3547389	100	0.3318632	200	0.3025772		
Trichlorofluoromethane	5	0.3480091	20	0.3401889	50	0.3512239	100	0.3319474	200	0.2890824		
Vinyl acetate	25	0.4058193	100	0.4325669	250	0.418981	500	0.4051944	1000	0.3444266		
Vinyl chloride	5	0.2992278	20	0.2944628	50	0.2915653	100	0.2722991	200	0.230934		
Xylenes, total	15	1.553687	60	1.508132	150	1.578249	300	1.468229	600	1.348537		

Form 6

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testi
Calibration: R10L016
Instrument: HP5973F
Calibration Date: 12/04/10 16:58

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/kg	RF	ug/kg	RF	ug/kg	RF	ug/kg	RF	ug/kg	RF	ug/kg	RF
1,1-Dimethoxyethane	100	5.391376E-02	250	6.275411E-02	500	6.346005E-02	1000	5.901684E-02				
1,2,3-Trimethylbenzene	20	2.940283	50	2.895889	100	2.850101	200	2.629377				
1,4-Dioxane	800	3.341738E-03	2000	3.432886E-03	4000	3.897639E-03	8000	3.646848E-03				
2-Nitropropane	100	0.1134948	250	0.1130642	500	0.1317094	1000	0.1197066				
3-Chlorotoluene	20	2.320324	50	2.24208	100	2.202935	200	2.05829				
Allyl chloride	20	0.5590754	50	0.5730508	100	0.5491365	200	0.5252562				
Chloroprene	20	0.5054373	50	0.5163805	100	0.498428	200	0.4721727				
Cyclohexanone	200	8.589547E-02	500	9.328769E-02	1000	9.295342E-02	2000	8.108577E-02				
Dicyclopentadiene	20	3.20203	50	3.06446	100	2.990065	200	2.722768				
Diethyl ether	20	0.5949965	50	0.6027485	100	0.6036024	200	0.5777529				
Epichlorohydrin	400	2.786808E-02	1000	0.0310121	2000	3.146741E-02	4000	2.893511E-02				
Ethyl Acetate	20	0.2793029	50	0.3084586	100	0.3096734	200	0.286088				
Ethyl tert-Butyl Ether	20	0.9758539	50	1.032992	100	0.9972661	200	0.9508885				
Heptane	20	0.5963802	50	0.5898686	100	0.576235	200	0.5405401				
Hexane	20	0.5200689	50	0.5199361	100	0.5049378	200	0.4767864				
Isobutanol	800	1.720321E-02	2000	1.907523E-02	4000	2.064045E-02	8000	1.877708E-02				
Isopropyl ether	20	1.114253	50	1.185933	100	1.136959	200	1.076438				
Methacrylonitrile	20	0.1931111	50	0.2023655	100	0.1989746	200	0.1883715				
Methyl Methacrylate	20	0.2747347	50	0.3070253	100	0.302213	200	0.2839607				
n-Butanol	800	1.067867E-02	2000	1.180607E-02	4000	1.323046E-02	8000	1.213386E-02				
Propionitrile	200	3.873292E-02	500	0.0428224	1000	0.0441217	2000	4.109078E-02				
Propylene Oxide	100	5.810259E-02	250	6.461656E-02	500	6.501538E-02	1000	6.020034E-02				
t-Butanol	400	3.243581E-02	1000	3.573477E-02	2000	3.950075E-02	4000	0.0358881				
Tert-Amyl Methyl Ether	20	0.8221548	50	0.8910685	100	0.8625601	200	0.8239453				

Form 6

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Calibration: R10L016
Instrument: HP5973F
Calibration Date: 12/04/10 16:58

Compound	Mean RF	RF RSD	Mean RT	RT RSD	r^2 or COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.7797934	3.807373	8.7	1.756968E-02		15	
1,1,1-Trichloroethane	0.4563682	6.182435	5.212	8.536397E-02		15	
1,1,2,2-Tetrachloroethane	0.6721398	4.704133	9.95	1.325893E-02		SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluorethane	0.2446636	7.848392	3.376	0.1613854		15	
1,1,2-Trichloroethane	0.4932604	3.670933	7.62	1.774882E-02		15	
1,1-Dichloroethane	0.5481175	5.891382	4.35	1.756968E-02		SPCC (0.1)	
1,1-Dichloroethene	0.2476227	7.186349	3.41	0.0142976		CCC (30)	
1,1-Dichloropropene	0.4144835	6.94481	5.33	7.28285E-03		15	
1,1-Dimethoxyethane	6.077721E-02	7.220161	4.382	0.1007302		15	
1,2,3-Trichlorobenzene	0.8826015	5.302223	13.048	3.395542E-02		15	
1,2,3-Trichloropropane	0.2243059	5.975895	10.002	4.448302E-02		15	
1,2,3-Trimethylbenzene	2.860237	4.843778	10.91	1.584113E-02		15	
1,2,4-Trichlorobenzene	0.9833287	5.8091	12.58	1.916017E-02		15	
1,2,4-Trimethylbenzene	2.948924	8.264076	10.51	1.108019E-02		15	
1,2-Dibromo-3-chloropropane	0.1106631	7.534531	11.91	1.451106E-02		15	
1,2-Dibromoethane (EDB)	0.656543	3.809401	8.17	4.751235E-03		15	
1,2-Dichlorobenzene	1.645537	5.814067	11.24	1.325639E-02		15	
1,2-Dichloroethane	0.3938035	4.697041	5.56	1.188661E-02		15	
1,2-Dichloroethane-d4	0.3221568	6.34167	5.498	8.092381E-02		15	
1,2-Dichloroethene, Total	0.3503408	5.472166	4.816	0.1120819		15	
1,2-Dichloropropane	0.3248092	4.956786	6.274	0.0891892		CCC (30)	
1,3,5-Trimethylbenzene	2.89542	8.873209	10.15	9.858906E-03		15	
1,3-Dichlorobenzene	1.783078	5.805235	10.82	1.435031E-02		15	
1,3-Dichloropropane	1.042701	4.86166	7.79	0.0187078		15	
1,4-Dichlorobenzene	1.785106	5.949187	10.9	1.358744E-02		CCC (20)	
1,4-Dioxane	3.572668E-03	6.01605	6.384	0.1417436		15	
2,2-Dichloropropane	0.3971056	8.913232	4.806	0.1122436		15	
2-Butanone (MEK)	0.1432932	6.873672	4.806	0.1122436		15	
2-Chloroethyl vinyl ether	0.191946	5.81388	6.72	1.169818E-02		15	
2-Chlorotoluene	0.9074887	6.051729	10.12	7.886926E-03		15	
2-Hexanone	0.4859334	7.331418	7.798	5.934733E-02		15	
2-Nitropropane	0.1226774	8.444753	5.94	0.1178701		15	
3-Chlorotoluene	2.257227	6.603635	10.178	0.0460417		15	
4-Bromofluorobenzene	0.9033769	7.093885	9.8	1.916791E-02		15	
4-Chlorotoluene	0.9414989	5.016082	10.22	1.911559E-02		15	
4-Isopropyltoluene	3.197403	8.133595	10.78	1.694303E-02		15	
4-Methyl-2-pentanone (MIBK)	0.6723657	7.252067	7	0		15	
Acetone	8.250672E-02	6.191907	3.47	5.75041E-03		15	
Acetonitrile	3.606936E-02	6.430718	3.73	1.240507E-02		15	
Acrolein	2.789674E-02	6.243736	3.35	2.281436E-02		15	
Acrylonitrile	0.1004045	5.441226	4.02	2.051251E-02		15	
Allyl chloride	0.5681591	7.192926	3.7	0.1912169		15	
Benzene	1.300228	6.478492	5.526	0.0989012		15	
Bromobenzene	0.9054667	5.93352	9.97	2.106952E-02		15	
Bromochloromethane	0.1850287	3.656807	5.03	1.856624E-02		15	
Bromodichloromethane	0.3903047	3.805796	6.52	1.614565E-02		15	
Bromoform	0.3849505	11.96107	9.53	1.883097E-02		SPCC (0.1)	
Bromomethane	0.1220647	22.28509	2.682	0.3117507	0.9950889	0.99	
Carbon disulfide	0.7713784	7.13947	3.638	0.1218633		15	
Carbon Tetrachloride	0.4090346	5.247091	5.34	1.453842E-02		15	

Form 6

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Calibration: R10L016
Instrument: HP5973F
Calibration Date: 12/04/10 16:58

Compound	Mean RF	RF RSD	Mean RT	RT RSD	r^2 or COD	LIMIT	Q
Chlorobenzene	2.262186	5.761541	8.622	5.003589E-02		SPCC (0.3)	
Chlorodibromomethane	0.7105335	6.878026	8.04	2.051251E-02		15	
Chloroethane	0.1259202	9.107616	2.772	0.1605515		15	
Chloroform	0.5341696	6.047058	5.06	7.886926E-03		CCC (30)	
Chloromethane	0.3570768	13.87363	2.262	0.3693565		SPCC (0.1)	
Chloroprene	0.5024618	3.776173	4.402	0.1013152		15	
cis-1,2-Dichloroethene	0.3719381	5.315096	4.816	0.1120819		15	
cis-1,3-Dichloropropene	0.4941985	3.598837	6.9	0.013612		15	
Cyclohexane	0.5266465	10.4853	5.238	0.0853108		15	
Cyclohexanone	9.134335E-02	9.304226	9.78	0.0199756		15	
Dibromomethane	0.1802219	4.141048	6.41	2.082238E-02		15	
Dichlorodifluoromethane	0.2939014	8.93635	2.094	0.261226		15	
Dicyclopentadiene	3.06128	7.487045	10.9	1.358744E-02		15	
Diethyl ether	0.5995611	2.487144	3.182	0.1395638		15	
Epichlorohydrin	3.022672E-02	5.736261	6.85	0.0224849		15	
Ethyl Acetate	0.3093074	10.63057	4.798	9.092787E-02		15	
Ethyl Methacrylate	0.8571181	4.880449	7.41	1.801235E-02		15	
Ethyl tert-Butyl Ether	1.002302	4.18434	4.59	1.691398E-02		15	
Ethylbenzene	3.590141	7.441253	8.68	1.788829E-02		CCC (30)	
Heptane	0.5918203	7.081745	5.6	9.551524E-03		15	
Hexachlorobutadiene	0.472929	8.301737	12.67	1.179551E-02		CCC (20)	
Hexane	0.5139751	5.059531	4.142	0.1072033		15	
Iodomethane	0.5376146	5.701971	3.578	0.125542		15	
Isobutanol	1.923333E-02	7.290892	5.384	0.10173		15	
Isopropyl ether	1.140108	4.166726	4.3	5.078277E-03		15	
Isopropylbenzene	3.24935	8.91482	9.58	1.065236E-02		15	
Methacrylonitrile	0.2068358	12.31001	5	0		15	
Methyl Acetate	0.5771673	6.838478	3.69	1.009497E-02		15	
Methyl Methacrylate	0.3049138	10.4185	6.282	7.321917E-02		15	
Methyl tert-Butyl Ether	0.8093406	5.229278	3.97	1.464079E-02		15	
Methylcyclohexane	0.5415321	7.392813	6.19	1.092455E-02		15	
Methylene Chloride	0.3369285	16.7441	3.818	0.1177131	0.9957267	0.99	
m-Xylene & p-Xylene	1.510265	6.434094	8.8	1.215648E-02		15	
Naphthalene	2.439477	5.391347	12.826	4.277695E-02		15	
n-Butanol	1.205584E-02	7.742236	5.942	7.301816E-02		15	
n-Butylbenzene	2.636864	8.504183	11.15	1.740699E-02		15	
n-Propylbenzene	3.989118	10.21391	9.99	1.014948E-02		15	
o-Xylene	1.453571	5.279517	9.236	5.918963E-02		15	
Propionitrile	4.250394E-02	6.387682	4.902	8.988399E-02		15	
Propylene Oxide	6.290103E-02	5.687568	3.284	0.1668105		15	
sec-Butylbenzene	3.65588	9.729273	10.66	7.28285E-03		15	
Styrene	2.284961	4.495411	9.252	0.0483777		15	
t-Butanol	3.661319E-02	8.131764	3.864	0.1415852		15	
Tert-Amyl Methyl Ether	0.855688	3.677619	5.532	8.004272E-02		15	
tert-Butylbenzene	0.6930043	7.297543	10.47	1.714032E-02		15	
Tetrachloroethene	0.8817684	6.518762	7.73	1.534062E-02		15	
Tetrahydrofuran	9.884556E-02	6.766718	5.05	0.1406988		15	
Toluene	2.013365	8.467796	7.2	1.485793E-02		CCC (30)	
Toluene-d8	2.843474	9.369755	7.132	6.457707E-02		15	
trans-1,2-Dichloroethene	0.3287435	5.680882	4.008	0.1092645		15	

Form 6

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Calibration: R10L016
Instrument: HP5973F
Calibration Date: 12/04/10 16:58

Compound	Mean RF	RF RSD	Mean RT	RT RSD	r^2 or COD	LIMIT	Q
trans-1,3-Dichloropropene	0.9905202	3.93817	7.42	1.375332E-02		15	
trans-1,4-Dichloro-2-butene	0.1912314	7.893666	9.99	1.014948E-02		15	
Trichloroethene	0.3349475	5.936478	6.05	0.021806		15	
Trichlorofluoromethane	0.3320903	7.580278	2.966	0.1846033		15	
Vinyl acetate	0.4013976	8.411917	4.33	8.964802E-03		15	
Vinyl chloride	0.2776978	10.11005	2.384	0.3752289		CCC (30)	
Xylenes, total	1.491367	6.057879	9.236	5.918963E-02		15	

Response Factor Report HP5973F

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:39:20 2010
Response via : Initial Calibration

R10L016
8260 Soil

Calibration Files
1 =F8929.D 2 =F8930.D 3 =F8931.D
4 =F8932.D 5 =F8933.D

			Compound	1	2	3	4	5	Avg	%RSD
1)	I	CI10	1,4-Difluoroben	----------		ISTD	----------			
2)	T	C290	Dichlorodifluor	0.308	0.306	0.313	0.294	0.249	0.294	8.94
3)	T	C010	Chloromethane	0.415	0.382	0.370	0.332	0.286	0.357	13.87
4)	T	C020	Vinyl chloride	0.299	0.294	0.292	0.272	0.231	0.278	10.11
5)	T	C015	Bromomethane	0.168	0.121	0.115	0.107	0.099	-----	
								LO M=	0.102	R^2=0.998
6)	T	C025	Chloroethane	0.138	0.128	0.133	0.121	0.109	0.126	9.11
7)	T	C275	Trichlorofluoro	0.348	0.340	0.351	0.332	0.289	0.332	7.58
8)	T	C291	1,1,2-Trichloro	0.250	0.253	0.260	0.250	0.211	0.245	7.85
9)	T	C045	1,1-Dichloroeth	0.261	0.251	0.261	0.247	0.218	0.248	7.19
10)	T	C030	Methylene chlor	0.431	0.337	0.327	0.306	0.284	-----	
								LO M=	0.292	R^2=0.998
11)	T	C040	Carbon disulfid	0.792	0.802	0.810	0.778	0.675	0.771	7.14
12)	T	C036	Acrolein	0.027	0.030	0.029	0.029	0.025	0.028	6.24
13)	T	C038	Acrylonitrile	0.097	0.107	0.102	0.103	0.093	0.100	5.44
14)	T	C035	Acetone	0.086	0.087	0.081	0.084	0.074	0.083	6.19
15)	T	C300	Acetonitrile	0.035	0.039	0.037	0.037	0.033	0.036	6.43
16)	T	C276	Iodomethane	0.541	0.557	0.566	0.537	0.487	0.538	5.70
17)	T	C255	Methyl Acetate	0.556	0.631	0.582	0.591	0.526	0.577	6.84
18)	T	C962	T-butyl Methyl	0.816	0.850	0.828	0.814	0.738	0.809	5.23
19)	T	C057	trans-1,2-Dichl	0.338	0.335	0.346	0.326	0.298	0.329	5.68
20)	T	C050	1,1-Dichloroeth	0.567	0.557	0.577	0.546	0.494	0.548	5.89
21)	T	C125	Vinyl Acetate	0.406	0.433	0.419	0.405	0.344	0.401	8.41
22)	T	C051	2,2-Dichloropro	0.433	0.408	0.416	0.387	0.341	0.397	8.91
23)	T	C056	cis-1,2-Dichlor	0.377	0.383	0.391	0.369	0.340	0.372	5.32
24)	T	C272	Tetrahydrofuran	0.096	0.107	0.099	0.102	0.089	0.099	6.77
25)	T	C222	Bromochlorometh	0.185	0.189	0.191	0.186	0.174	0.185	3.66
26)	T	C060	Chloroform	0.562	0.543	0.558	0.525	0.483	0.534	6.05
27)	T	C256	Cyclohexane	0.584	0.554	0.545	0.510	0.440	0.527	10.49
28)	T	C115	1,1,1-Trichloro	0.466	0.464	0.485	0.458	0.409	0.456	6.18
29)	T	C120	Carbon tetrachl	0.409	0.405	0.435	0.420	0.377	0.409	5.25
30)	T	C116	1,1-Dichloropro	0.432	0.425	0.438	0.412	0.366	0.414	6.94
31)	S	CS15	1,2-Dichloroeth	0.337	0.327	0.339	0.318	0.289	0.322	6.34
32)	T	C165	Benzene	1.337	1.346	1.368	1.293	1.158	1.300	6.48
33)	T	C065	1,2-Dichloroeth	0.393	0.409	0.409	0.395	0.363	0.394	4.70
34)	T	C110	2-Butanone	0.146	0.154	0.143	0.146	0.127	0.143	6.87
35)	T	C150	Trichloroethene	0.345	0.341	0.355	0.332	0.303	0.335	5.94
36)	T	C161	2-Chloroethylvi	0.187	0.204	0.198	0.196	0.175	0.192	5.81
37)	T	C012	Methylcyclohexa	0.557	0.565	0.567	0.546	0.471	0.542	7.39
38)	T	C140	1,2-Dichloropro	0.332	0.334	0.338	0.322	0.298	0.325	4.96
39)	T	C278	Dibromomethane	0.178	0.188	0.184	0.183	0.169	0.180	4.14
40)	T	C130	Bromodichlorome	0.374	0.392	0.409	0.399	0.378	0.390	3.81
41)	T	C145	cis-1,3-Dichlor	0.489	0.504	0.515	0.495	0.468	0.494	3.60
42)	I	CI20	Chlorobenzene-D	----------		ISTD	----------			
43)	S	CS05	Toluene-D8	2.826	2.760	3.259	2.850	2.522	2.843	9.37
44)	T	C230	Toluene	2.224	2.030	2.107	1.929	1.777	2.013	8.47
45)	T	C170	trans-1,3-Dichl	0.957	1.002	1.044	1.001	0.948	0.991	3.94
46)	T	C284	Ethyl Methacryl	0.815	0.900	0.884	0.877	0.809	0.857	4.88
47)	T	C160	1,1,2-Trichloro	0.497	0.506	0.508	0.491	0.463	0.493	3.67
48)	T	C210	4-Methyl-2-pent	0.664	0.725	0.690	0.688	0.594	0.672	7.25
49)	T	C220	Tetrachloroethe	0.916	0.892	0.941	0.869	0.791	0.882	6.52

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:39:20 2010
Response via : Initial Calibration

Calibration Files
1 =F8929.D 2 =F8930.D 3 =F8931.D
4 =F8932.D 5 =F8933.D

			Compound	1	2	3	4	5	Avg	%RSD
50)	T	C221	1,3-Dichloropro	1.038	1.090	1.085	1.036	0.964	1.043	4.86
51)	T	C155	Dibromochlorome	0.636	0.688	0.747	0.752	0.730	0.711	6.88
52)	T	C163	1,2-Dibromoetha	0.647	0.669	0.686	0.661	0.619	0.657	3.81
53)	T	C215	2-Hexanone	0.459	0.523	0.502	0.507	0.438	0.486	7.33
54)	T	C235	Chlorobenzene	2.343	2.306	2.386	2.219	2.057	2.262	5.76
55)	T	C281	1,1,1,2-Tetrach	0.758	0.769	0.823	0.797	0.751	0.780	3.81
56)	T	C240	Ethylbenzene	3.799	3.675	3.804	3.509	3.163	3.590	7.44
57)	T	C246	m,p-Xylene	1.576	1.530	1.604	1.485	1.357	1.510	6.43
58)	T	C247	o-Xylene	1.509	1.464	1.526	1.435	1.332	1.454	5.28
59)	T	C245	Styrene	2.319	2.302	2.407	2.274	2.124	2.285	4.50
60)	T	C180	Bromoform	0.316	0.362	0.400	0.426	0.420	0.385	11.96
61)	S	CS10	p-Bromofluorobe	0.926	0.880	0.993	0.899	0.818	0.903	7.09
62)	I	CI30	1,4-Dichloroben	----------	ISTD	----------				
63)	T	C966	Isopropylbenzen	3.531	3.343	3.423	3.156	2.793	3.249	8.91
64)	T	C301	Bromobenzene	0.949	0.933	0.941	0.883	0.821	0.905	5.93
65)	T	C225	1,1,2,2-Tetrach	0.694	0.692	0.681	0.676	0.617	0.672	4.70
66)	T	C282	1,2,3-Trichloro	0.217	0.240	0.229	0.230	0.206	0.224	5.98
67)	T	C283	t-1,4-Dichloro-	0.189	0.207	0.198	0.194	0.167	0.191	7.89
68)	T	C302	n-Propylbenzene	4.335	4.162	4.252	3.863	3.334	3.989	10.21
69)	T	C303	O 2-Chlorotolue	0.951	0.918	0.955	0.893	0.820	0.907	6.05
70)	T	C289	P 4-Chlorotolue	0.959	0.963	0.991	0.928	0.867	0.941	5.02
71)	T	C304	1,3,5-Trimethyl	3.155	2.985	3.043	2.793	2.500	2.895	8.87
72)	T	C306	tert-Butylbenze	0.736	0.705	0.731	0.681	0.612	0.693	7.30
73)	T	C307	1,2,4-Trimethyl	3.210	3.018	3.091	2.841	2.584	2.949	8.26
74)	T	C308	sec-Butylbenzen	3.997	3.760	3.884	3.542	3.096	3.656	9.73
75)	T	C260	1,3-Dichloroben	1.843	1.827	1.882	1.740	1.623	1.783	5.81
76)	T	C309	p-Cymene (4-Iso	3.400	3.258	3.414	3.136	2.779	3.197	8.13
77)	T	C267	1,4-Dichloroben	1.876	1.826	1.862	1.741	1.620	1.785	5.95
78)	T	C249	1,2-Dichloroben	1.717	1.686	1.724	1.604	1.497	1.646	5.81
79)	T	C310	n-Butylbenzene	2.799	2.714	2.824	2.569	2.277	2.637	8.50
80)	T	C286	1,2-Dibromo-3-C	0.097	0.113	0.114	0.119	0.110	0.111	7.53
81)	T	C313	1,2,4-Trichloro	1.017	1.015	1.038	0.943	0.904	0.983	5.81
82)	T	C316	Hexachlorobutad	0.502	0.490	0.501	0.463	0.409	0.473	8.30
83)	T	C314	Naphthalene	2.473	2.567	2.511	2.422	2.224	2.439	5.39
84)	T	C934	1,2,3-Trichloro	0.889	0.922	0.927	0.860	0.815	0.883	5.30

Total Average %RSD 6.68□□

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Quantitation Report

Data File : H:\GCMS_VOA\F\120410\F8929.D
Acq On : 4 Dec 2010 16:58
Sample : T005522-CAL1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 06 12:32:12 2010

Vial: 4
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120410\F8931.D (4 Dec 2010 17:50)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	789031	50.00	ug/L	0.00 100.49%
42) CI20	Chlorobenzene-D5	8.59	82	348176	50.00	ug/L	0.00 101.26%
62) CI30	1,4-Dichlorobenzene-	10.88	152	360278	50.00	ug/L	0.00 96.27%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.49	65	26625m	5.24	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery	=	10.48%#	
43) CS05	Toluene-D8	7.13	98	98404	4.97	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery	=	9.94%#	
61) CS10	p-Bromofluorobenzene	9.80	174	32242	5.13	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery	=	10.26%#	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	2.09	85	24288	5.24	ug/L	96
3) C010	Chloromethane	2.25	50	32762	5.81	ug/L	95
4) C020	Vinyl chloride	2.37	62	23610	5.39	ug/L	98
5) C015	Bromomethane	2.67	94	13287	6.90	ug/L	93
6) C025	Chloroethane	2.77	64	10902	5.49	ug/L	90
7) C275	Trichlorofluorometha	2.96	101	27459	5.24	ug/L	81
8) C291	1,1,2-Trichloro-1,2,	3.37	101	19723	5.11	ug/L	92
9) C045	1,1-Dichloroethene	3.41	96	20598	5.27	ug/L	91
10) C030	Methylene chloride	3.81	84	33999	6.40	ug/L	97
11) C040	Carbon disulfide	3.63	76	62479	5.13	ug/L	94
12) C036	Acrolein	3.35	56	42891	98.40	ug/L	99
13) C038	Acrylonitrile	4.02	53	38247	24.14	ug/L	90
14) C035	Acetone	3.47	43	34119	26.20	ug/L	100
15) C300	Acetonitrile	3.73	41	110335	193.88	ug/L	100
16) C276	Iodomethane	3.57	142	42654	5.03	ug/L	100
17) C255	Methyl Acetate	3.69	43	43879	4.83	ug/L	91
18) C962	T-butyl Methyl Ether	3.97	73	64365	5.04	ug/L	90
19) C057	trans-1,2-Dichloroet	4.00	96	26677	5.14	ug/L #	79
20) C050	1,1-Dichloroethane	4.35	63	44742	5.17	ug/L	99
21) C125	Vinyl Acetate	4.33	43	160102	25.17	ug/L	99
22) C051	2,2-Dichloropropane	4.80	77	34182	5.45	ug/L	89
23) C056	cis-1,2-Dichloroethe	4.81	96	29782	5.07	ug/L	88
24) C272	Tetrahydrofuran	5.06	42	37983	24.38	ug/L	95
25) C222	Bromochloromethane	5.03	128	14631	5.01	ug/L	90
26) C060	Chloroform	5.06	83	44375	5.26	ug/L	95
27) C256	Cyclohexane	5.23	56	46101	5.53	ug/L	87
28) C115	1,1,1-Trichloroethan	5.21	97	36804	5.11	ug/L	92
29) C120	Carbon tetrachloride	5.34	117	32247	5.00	ug/L	93
30) C116	1,1-Dichloropropene	5.33	75	34113	5.22	ug/L	81
32) C165	Benzene	5.52	78	105476	5.14	ug/L	97
33) C065	1,2-Dichloroethane	5.56	62	30983	4.99	ug/L	96
34) C110	2-Butanone	4.81	43	57792	25.56	ug/L	86

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120410\F8929.D
Acq On : 4 Dec 2010 16:58
Sample : T005522-CAL1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 06 12:32:12 2010

Vial: 4
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
35)	C150	Trichloroethene	6.05	95	27221	5.15	ug/L	#	74
36)	C161	2-Chloroethylvinyl E	6.72	63	73748	24.35	ug/L	#	79
37)	C012	Methylcyclohexane	6.19	83	43953	5.14	ug/L		82
38)	C140	1,2-Dichloropropane	6.27	63	26158	5.10	ug/L		100
39)	C278	Dibromomethane	6.41	93	14041	4.94	ug/L		96
40)	C130	Bromodichloromethane	6.52	83	29484	4.79	ug/L		94
41)	C145	cis-1,3-Dichloroprop	6.90	75	38583	4.95	ug/L		98
44)	C230	Toluene	7.20	92	77423	5.52	ug/L		94
45)	C170	trans-1,3-Dichloropr	7.42	75	33312	4.83	ug/L		97
46)	C284	Ethyl Methacrylate	7.41	69	28376	4.75	ug/L	#	68
47)	C160	1,1,2-Trichloroethan	7.62	83	17316	5.04	ug/L		100
48)	C210	4-Methyl-2-pentanone	7.00	43	115574	24.68	ug/L		97
49)	C220	Tetrachloroethene	7.73	166	31882	5.19	ug/L		91
50)	C221	1,3-Dichloropropane	7.79	76	36151	4.98	ug/L		99
51)	C155	Dibromochloromethane	8.04	129	22132	4.47	ug/L		88
52)	C163	1,2-Dibromoethane	8.17	107	22537	4.93	ug/L		93
53)	C215	2-Hexanone	7.80	43	79979	23.64	ug/L		94
54)	C235	Chlorobenzene	8.62	112	81594	5.18	ug/L		90
55)	C281	1,1,1,2-Tetrachloroe	8.70	131	26397	4.86	ug/L		98
56)	C240	Ethylbenzene	8.68	91	132277	5.29	ug/L		94
57)	C246	m,p-Xylene	8.80	106	109734	10.43	ug/L		97
58)	C247	o-Xylene	9.23	106	52553	5.19	ug/L	#	70
59)	C245	Styrene	9.26	104	80735	5.07	ug/L		91
60)	C180	Bromoform	9.53	173	10992	4.10	ug/L		89
63)	C966	Isopropylbenzene	9.58	105	127222	5.43	ug/L		91
64)	C301	Bromobenzene	9.97	156	34207	5.24	ug/L		88
65)	C225	1,1,2,2-Tetrachloroe	9.95	83	25021	5.17	ug/L		93
66)	C282	1,2,3-Trichloropropa	10.01	110	7808	4.83	ug/L		100
67)	C283	t-1,4-Dichloro-2-But	9.99	53	34129	24.77	ug/L	#	65
68)	C302	n-Propylbenzene	9.99	91	156171	5.43	ug/L		99
69)	C303	O 2-Chlorotoluene	10.12	126	34271	5.24	ug/L		100
70)	C289	P 4-Chlorotoluene	10.22	126	34540	5.09	ug/L		100
71)	C304	1,3,5-Trimethylbenze	10.15	105	113679	5.45	ug/L		85
72)	C306	tert-Butylbenzene	10.47	134	26519	5.31	ug/L		90
73)	C307	1,2,4-Trimethylbenze	10.51	105	115636	5.44	ug/L		95
74)	C308	sec-Butylbenzene	10.66	105	144001	5.47	ug/L		96
75)	C260	1,3-Dichlorobenzene	10.82	146	66415	5.17	ug/L		94
76)	C309	p-Cymene (4-Isopropy	10.78	119	122481	5.32	ug/L		94
77)	C267	1,4-Dichlorobenzene	10.90	146	67584	5.25	ug/L		93
78)	C249	1,2-Dichlorobenzene	11.24	146	61874	5.22	ug/L		97
79)	C310	n-Butylbenzene	11.15	91	100859	5.31	ug/L		89
80)	C286	1,2-Dibromo-3-Chloro	11.91	75	3489	4.38	ug/L		87
81)	C313	1,2,4-Trichlorobenze	12.58	180	36626	5.17	ug/L		97
82)	C316	Hexachlorobutadiene	12.67	225	18075	5.30	ug/L		97
83)	C314	Naphthalene	12.82	128	89113	5.07	ug/L		93
84)	C934	1,2,3-Trichlorobenze	13.05	180	32031	5.04	ug/L		96

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

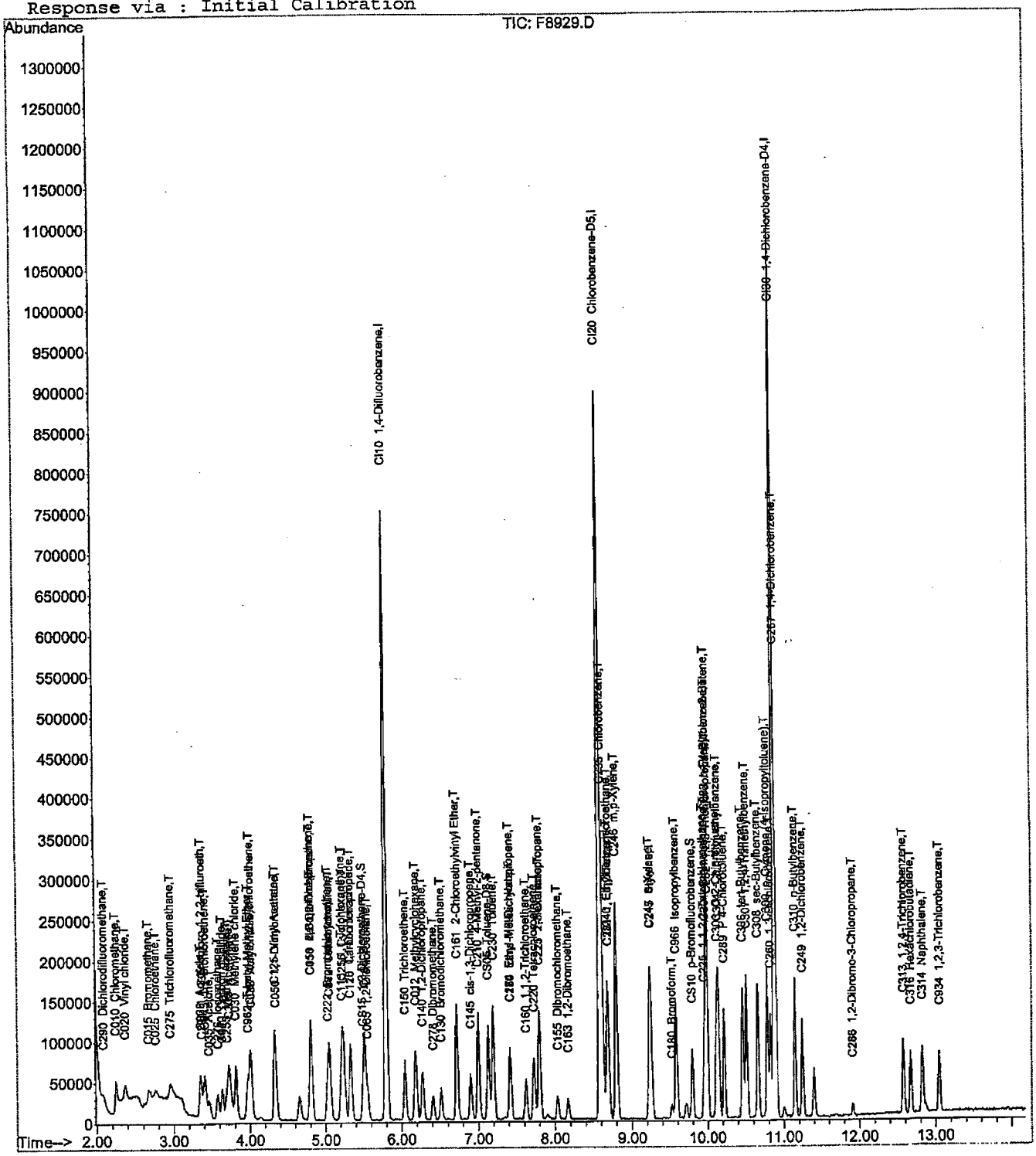
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120410\F8929.D
Acq On : 4 Dec 2010 16:58
Sample : T005522-CAL1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:35 2010

Vial: 4
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:39:20 2010
Response via : Initial Calibration



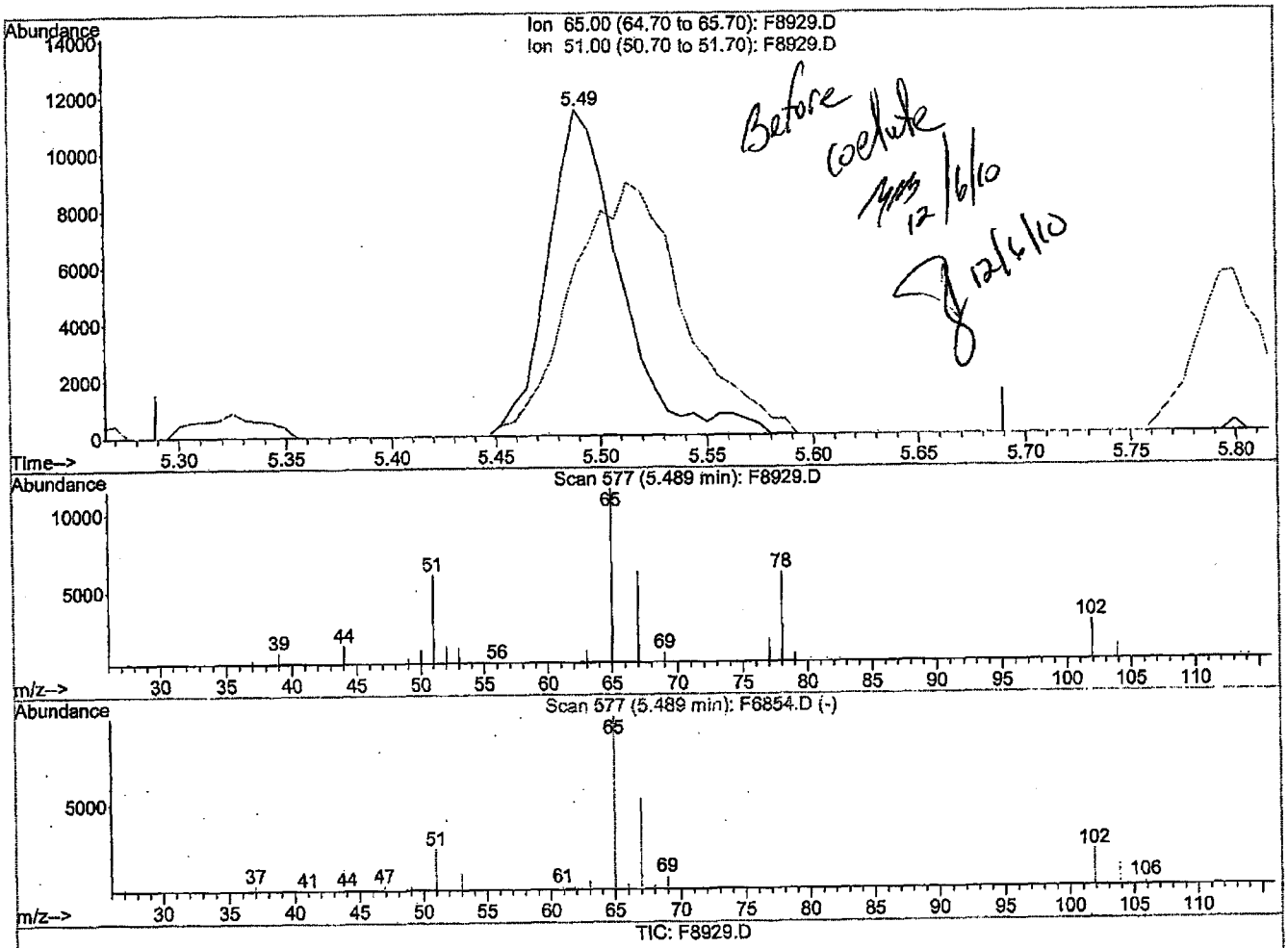
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120410\F8929.D
Acq On : 4 Dec 2010 16:58
Sample : T005522-CAL1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:28 2010

Vial: 4
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Multiple Level Calibration



TIC: F8929.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.49min 5.41ug/L

response 27514

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	52.60
0.00	0.00	0.00
0.00	0.00	0.00

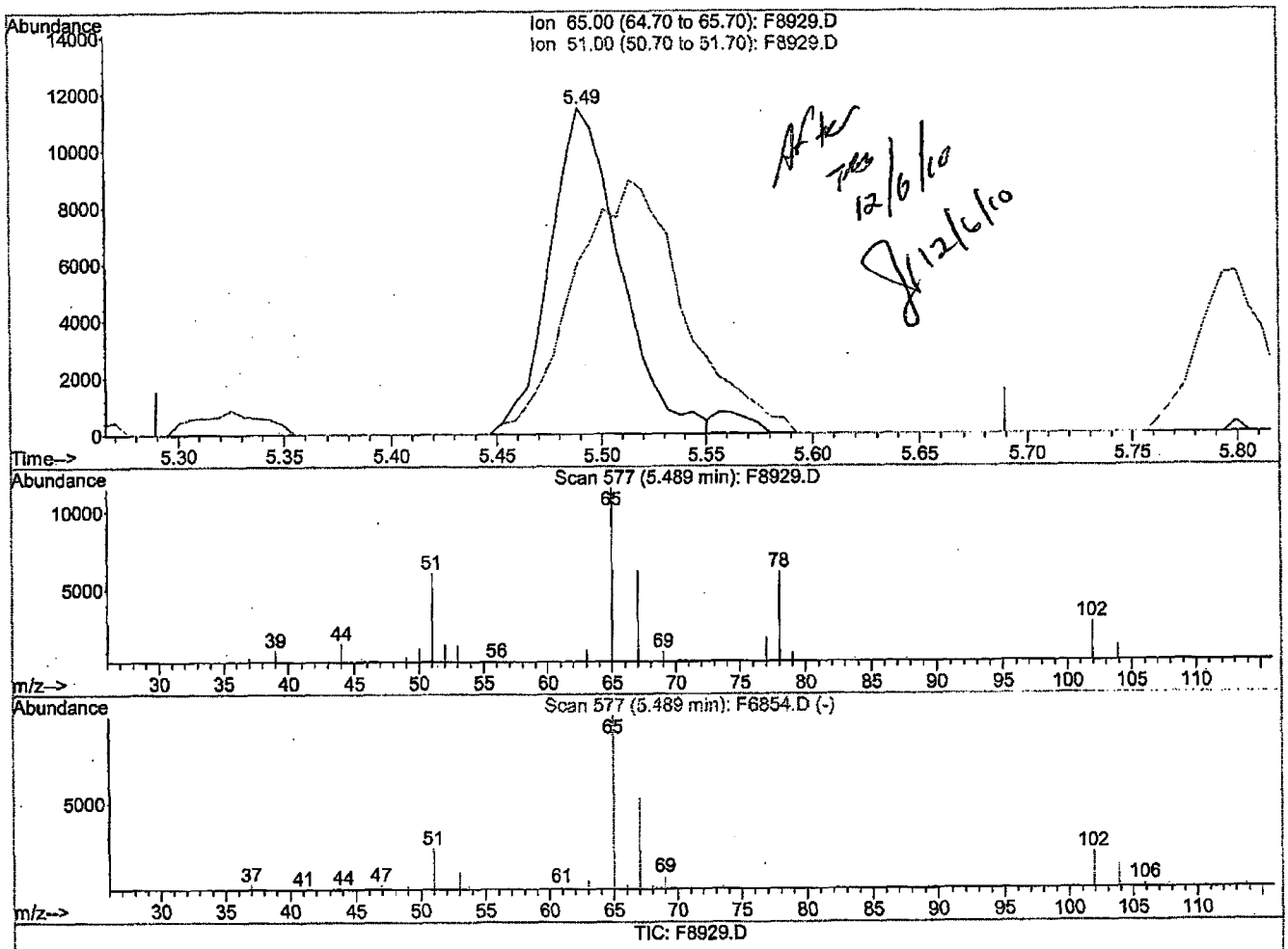
F8929.D R10L016.M Mon Dec 06 12:34:56 2010 HP5973

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120410\F8929.D
Acq On : 4 Dec 2010 16:58
Sample : T005522-CAL1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:35 2010

Vial: 4
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Multiple Level Calibration



(31) CS15 1,2-Dichloroethane-D4 (S)

5.49min 5.24ug/L m

response 26625

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	52.60
0.00	0.00	0.00
0.00	0.00	0.00

F8929.D R10L016.M Mon Dec 06 12:35:04 2010 HP5973

Quantitation Report

Data File : H:\GCMS_VOA\F\120410\F8930.D
Acq On : 4 Dec 2010 17:24
Sample : T005522-CAL2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 06 12:32:26 2010

Vial: 5
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120410\F8931.D (4 Dec 2010 17:50)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	797138	50.00	ug/L	0.00 101.52%
42) CI20	Chlorobenzene-D5	8.59	82	354313	50.00	ug/L	0.00 103.04%
62) CI30	1,4-Dichlorobenzene-	10.88	152	378436	50.00	ug/L	0.00 101.12%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	104361m	20.32	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	40.64%#		
43) CS05	Toluene-D8	7.13	98	391212	19.42	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	38.84%#		
61) CS10	p-Bromofluorobenzene	9.80	174	124762	19.49	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	38.98%#		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	2.09	85	97481	20.80	ug/L	100
3) C010	Chloromethane	2.26	50	121789	21.39	ug/L	94
4) C020	Vinyl chloride	2.38	62	93891	21.21	ug/L	99
5) C015	Bromomethane	2.68	94	38601	19.85	ug/L	83
6) C025	Chloroethane	2.77	64	40889	20.37	ug/L	95
7) C275	Trichlorofluorometha	2.96	101	108471	20.49	ug/L	90
8) C291	1,1,2-Trichloro-1,2,	3.38	101	80585	20.66	ug/L	94
9) C045	1,1-Dichloroethene	3.41	96	80168	20.30	ug/L	96
10) C030	Methylene chloride	3.82	84	107603	20.04	ug/L	91
11) C040	Carbon disulfide	3.64	76	255851	20.80	ug/L	97
12) C036	Acrolein	3.35	56	188953	429.06	ug/L	96
13) C038	Acrylonitrile	4.02	53	170720	106.65	ug/L	96
14) C035	Acetone	3.47	43	138448	105.25	ug/L	92
15) C300	Acetonitrile	3.73	41	498228	866.58	ug/L	100
16) C276	Iodomethane	3.58	142	177589	20.72	ug/L	98
17) C255	Methyl Acetate	3.69	43	201320	21.94	ug/L	92
18) C962	T-butyl Methyl Ether	3.97	73	271126	21.01	ug/L	92
19) C057	trans-1,2-Dichloroet	4.01	96	106943	20.40	ug/L	81
20) C050	1,1-Dichloroethane	4.35	63	177448	20.31	ug/L	95
21) C125	Vinyl Acetate	4.33	43	689631	107.32	ug/L	98
22) C051	2,2-Dichloropropane	4.81	77	130035	20.54	ug/L	83
23) C056	cis-1,2-Dichloroethe	4.82	96	122014	20.58	ug/L	88
24) C272	Tetrahydrofuran	5.05	42	171093	108.72	ug/L	97
25) C222	Bromochloromethane	5.03	128	60169	20.40	ug/L	88
26) C060	Chloroform	5.06	83	173140	20.33	ug/L	96
27) C256	Cyclohexane	5.24	56	176666	20.96	ug/L	87
28) C115	1,1,1-Trichloroethan	5.21	97	147873	20.32	ug/L	96
29) C120	Carbon tetrachloride	5.34	117	129102	19.80	ug/L	92
30) C116	1,1-Dichloropropene	5.33	75	135467	20.50	ug/L	85
32) C165	Benzene	5.52	78	429272	20.71	ug/L	99
33) C065	1,2-Dichloroethane	5.56	62	130267	20.75	ug/L	93
34) C110	2-Butanone	4.81	43	245133	107.30	ug/L	90

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120410\F8930.D Vial: 5
Acq On : 4 Dec 2010 17:24 Operator: PJQ
Sample : T005522-CAL2 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 06 12:32:26 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Initial Calibration
DataAcq Meth : VOA

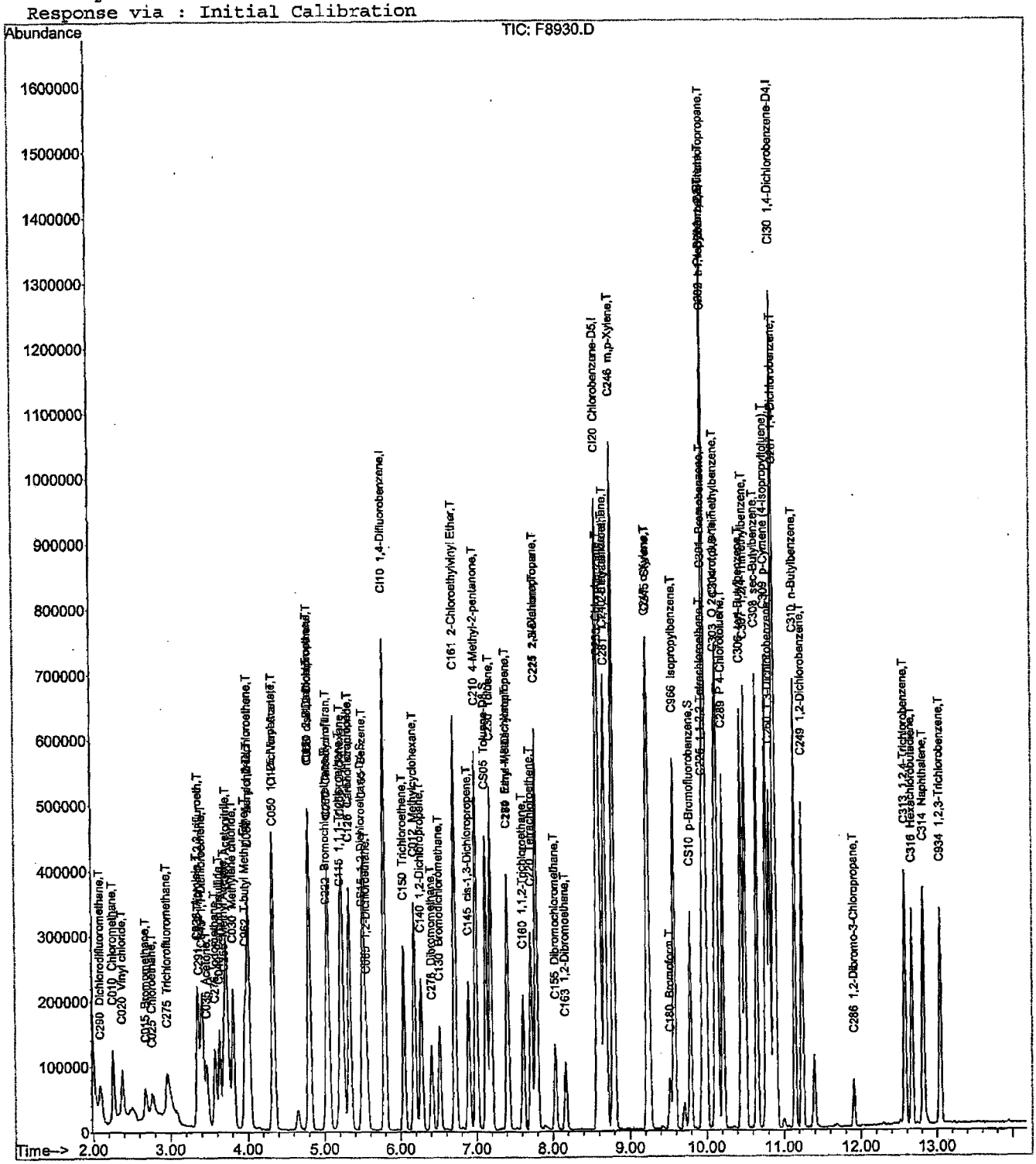
	Compound		R.T.	QIon	Response	Conc Unit		Qvalue
35)	C150	Trichloroethene	6.05	95	108591	20.34 ug/L		79
36)	C161	2-Chloroethylvinyl E	6.72	63	324601	106.07 ug/L	#	79
37)	C012	Methylcyclohexane	6.19	83	180283	20.88 ug/L		82
38)	C140	1,2-Dichloropropane	6.28	63	106514	20.57 ug/L		100
39)	C278	Dibromomethane	6.41	93	59989	20.88 ug/L		99
40)	C130	Bromodichloromethane	6.52	83	124893	20.07 ug/L		96
41)	C145	cis-1,3-Dichloroprop	6.90	75	160774	20.41 ug/L		89
44)	C230	Toluene	7.20	92	287665	20.16 ug/L		90
45)	C170	trans-1,3-Dichloropr	7.42	75	142012	20.23 ug/L		90
46)	C284	Ethyl Methacrylate	7.41	69	127488	20.99 ug/L	#	70
47)	C160	1,1,2-Trichloroethan	7.62	83	71774	20.54 ug/L		94
48)	C210	4-Methyl-2-pentanone	7.00	43	514082	107.90 ug/L		98
49)	C220	Tetrachloroethene	7.73	166	126459	20.24 ug/L		88
50)	C221	1,3-Dichloropropane	7.79	76	154541	20.92 ug/L		95
51)	C155	Dibromochloromethane	8.04	129	97510	19.37 ug/L		83
52)	C163	1,2-Dibromoethane	8.17	107	94881	20.39 ug/L		91
53)	C215	2-Hexanone	7.80	43	370493	107.59 ug/L		97
54)	C235	Chlorobenzene	8.62	112	326849	20.39 ug/L		90
55)	C281	1,1,1,2-Tetrachloroe	8.70	131	109048	19.73 ug/L		99
56)	C240	Ethylbenzene	8.68	91	520774	20.47 ug/L		92
57)	C246	m,p-Xylene	8.80	106	433671	40.52 ug/L		95
58)	C247	o-Xylene	9.23	106	207550	20.15 ug/L	#	75
59)	C245	Styrene	9.25	104	326199	20.15 ug/L		94
60)	C180	Bromoform	9.53	173	51357	18.83 ug/L		89
63)	C966	Isopropylbenzene	9.58	105	506090	20.58 ug/L		93
64)	C301	Bromobenzene	9.97	156	141168	20.60 ug/L		87
65)	C225	1,1,2,2-Tetrachloroe	9.95	83	104758	20.59 ug/L		92
66)	C282	1,2,3-Trichloropropa	10.00	110	36405	21.44 ug/L		100
67)	C283	t-1,4-Dichloro-2-But	9.99	53	156916	108.41 ug/L	#	67
68)	C302	n-Propylbenzene	9.99	91	630067	20.87 ug/L		100
69)	C303	O 2-Chlorotoluene	10.12	126	138969	20.23 ug/L		100
70)	C289	P 4-Chlorotoluene	10.22	126	145781	20.46 ug/L		100
71)	C304	1,3,5-Trimethylbenze	10.15	105	451867	20.62 ug/L		86
72)	C306	tert-Butylbenzene	10.47	134	106769	20.36 ug/L		91
73)	C307	1,2,4-Trimethylbenze	10.51	105	456885	20.47 ug/L		95
74)	C308	sec-Butylbenzene	10.66	105	569140	20.57 ug/L		97
75)	C260	1,3-Dichlorobenzene	10.82	146	276512	20.49 ug/L		95
76)	C309	p-Cymene (4-Isopropy	10.78	119	493242	20.38 ug/L		93
77)	C267	1,4-Dichlorobenzene	10.90	146	276448	20.46 ug/L		95
78)	C249	1,2-Dichlorobenzene	11.24	146	255177	20.49 ug/L		97
79)	C310	n-Butylbenzene	11.15	91	410865	20.59 ug/L		88
80)	C286	1,2-Dibromo-3-Chloro	11.91	75	17127	20.45 ug/L		87
81)	C313	1,2,4-Trichlorobenze	12.58	180	153715	20.65 ug/L		98
82)	C316	Hexachlorobutadiene	12.67	225	74232	20.74 ug/L		95
83)	C314	Naphthalene	12.83	128	388548	21.04 ug/L		95
84)	C934	1,2,3-Trichlorobenze	13.05	180	139632	20.90 ug/L		98

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

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\120410\F8930.D Vial: 5
Acq On : 4 Dec 2010 17:24 Operator: PJQ
Sample : T005522-CAL2 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:35 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:39:20 2010
Response via : Initial Calibration



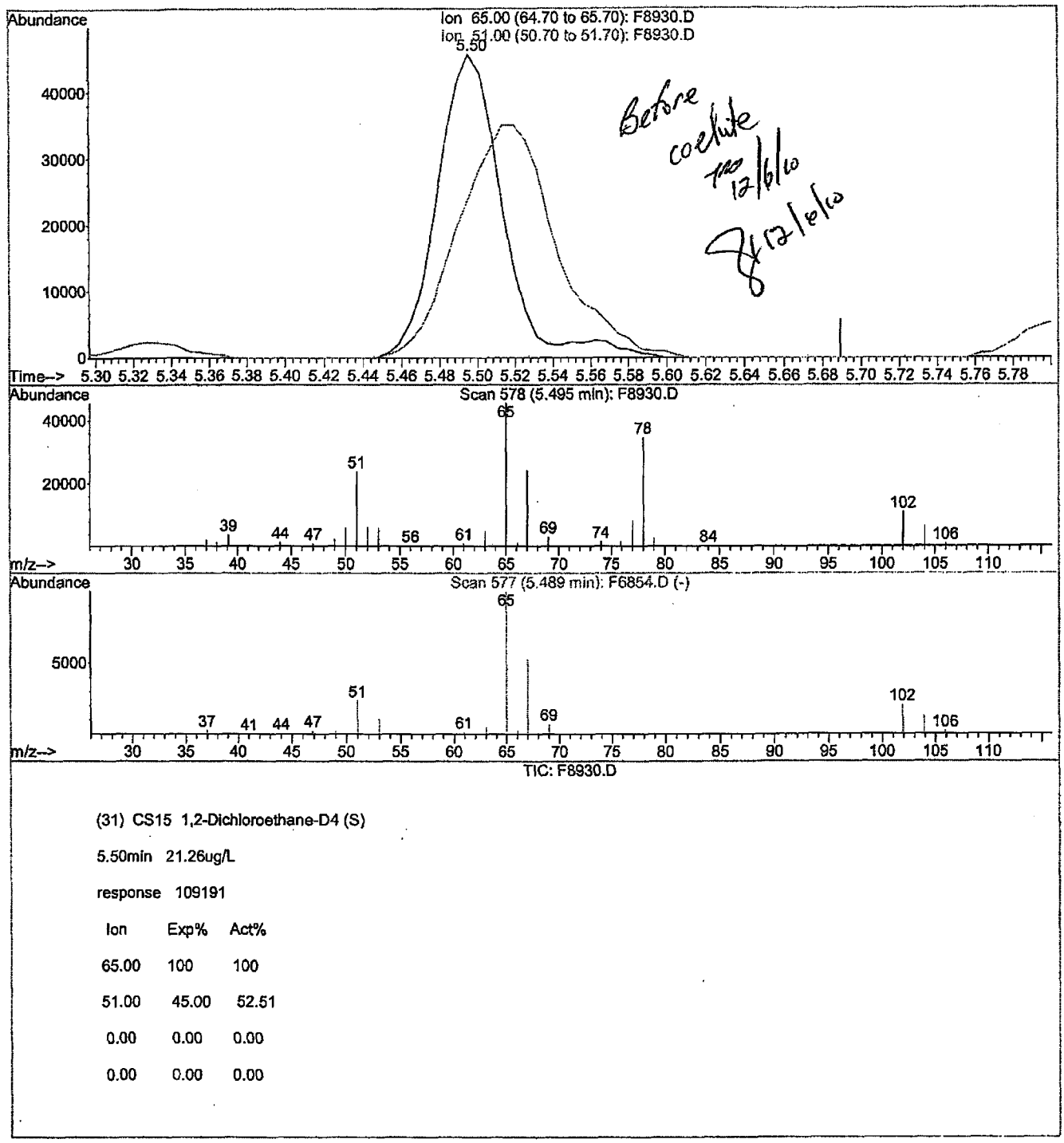
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120410\F8930.D
Acq On : 4 Dec 2010 17:24
Sample : T005522-CAL2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:28 2010

Vial: 5
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Multiple Level Calibration



TIC: F8930.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 21.26ug/L

response 109191

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	52.51
0.00	0.00	0.00
0.00	0.00	0.00

F8930.D R10L016.M Mon Dec 06 12:35:44 2010 HP5973

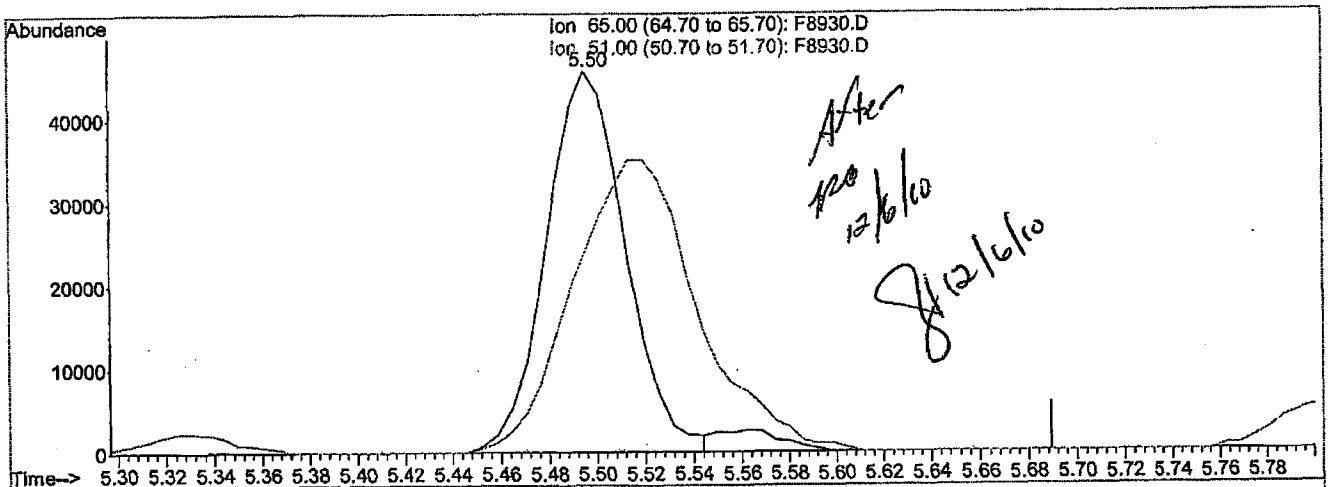
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120410\F8930.D
Acq On : 4 Dec 2010 17:24
Sample : T005522-CAL2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:35 2010

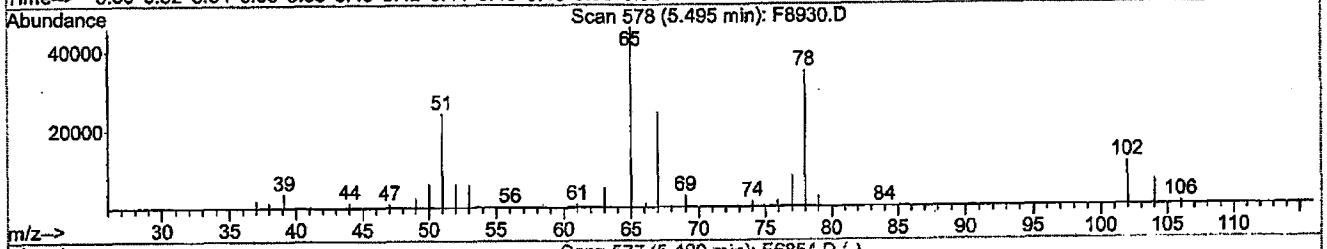
Vial: 5
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

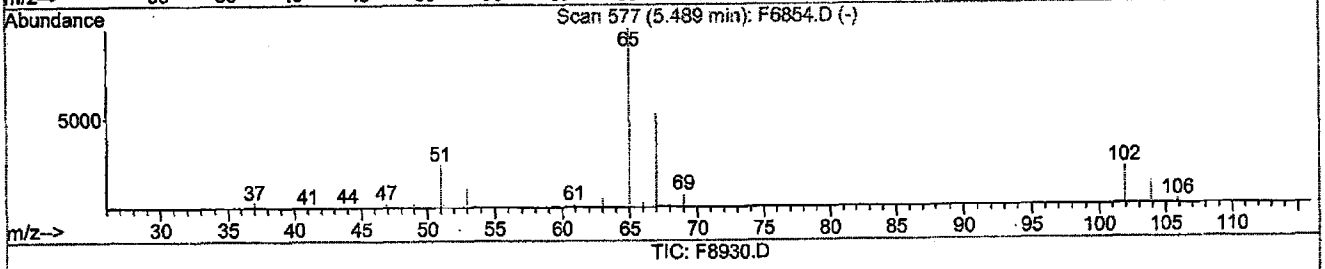
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Multiple Level Calibration



After
12/6/10
12/6/10





TIC: F8930.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 20.32ug/L m

response 104361

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	52.51
0.00	0.00	0.00
0.00	0.00	0.00

F8930.D R10L016.M Mon Dec 06 12:35:51 2010 HP5973

Quantitation Report

Data File : H:\GCMS_VOA\F\120410\F8931.D Vial: 6
Acq On : 4 Dec 2010 17:50 Operator: PJQ
Sample : T005522-CAL3 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 06 12:32:37 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120410\F8931.D (4 Dec 2010 17:50)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	785217	50.00	ug/L	0.00 100.00%
42) CI20	Chlorobenzene-D5	8.59	82	343850	50.00	ug/L	0.00 100.00%
62) CI30	1,4-Dichlorobenzene-	10.88	152	374252	50.00	ug/L	0.00 100.00%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	266395m	52.66	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery	=	105.32%	
43) CS05	Toluene-D8	7.14	98	1120765	57.31	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery	=	114.62%	
61) CS10	p-Bromofluorobenzene	9.80	174	341564	54.98	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery	=	109.96%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	2.10	85	245838	53.26	ug/L	99
3) C010	Chloromethane	2.26	50	290379	51.78	ug/L	98
4) C020	Vinyl chloride	2.39	62	228942	52.50	ug/L	100
5) C015	Bromomethane	2.68	94	90275	47.12	ug/L	81
6) C025	Chloroethane	2.77	64	104803	53.00	ug/L	98
7) C275	Trichlorofluorometha	2.97	101	275787	52.89	ug/L	90
8) C291	1,1,2-Trichloro-1,2,	3.37	101	203985	53.09	ug/L	94
9) C045	1,1-Dichloroethene	3.41	96	205117	52.74	ug/L	99
10) C030	Methylene chloride	3.82	84	256438	48.48	ug/L	91
11) C040	Carbon disulfide	3.64	76	635748	52.48	ug/L	97
12) C036	Acrolein	3.35	56	454615	1047.99	ug/L	95
13) C038	Acrylonitrile	4.02	53	400068	253.72	ug/L	97
14) C035	Acetone	3.47	43	317998	245.42	ug/L	97
15) C300	Acetonitrile	3.73	41	1157269	2043.43	ug/L	100
16) C276	Iodomethane	3.58	142	444581	52.65	ug/L	99
17) C255	Methyl Acetate	3.69	43	457000	50.55	ug/L	94
18) C962	T-butyl Methyl Ether	3.97	73	650344	51.17	ug/L	92
19) C057	trans-1,2-Dichloroet	4.01	96	271876	52.66	ug/L #	78
20) C050	1,1-Dichloroethane	4.35	63	452903	52.62	ug/L	98
21) C125	Vinyl Acetate	4.33	43	1644955	259.87	ug/L	97
22) C051	2,2-Dichloropropane	4.81	77	326685	52.38	ug/L	89
23) C056	cis-1,2-Dichloroethe	4.82	96	306970	52.55	ug/L	88
24) C272	Tetrahydrofuran	5.05	42	390491	251.91	ug/L	98
25) C222	Bromochloromethane	5.03	128	150123	51.66	ug/L	91
26) C060	Chloroform	5.06	83	438038	52.22	ug/L	99
27) C256	Cyclohexane	5.24	56	427726	51.53	ug/L	90
28) C115	1,1,1-Trichloroethan	5.21	97	380480	53.09	ug/L	96
29) C120	Carbon tetrachloride	5.34	117	341709	53.20	ug/L	95
30) C116	1,1-Dichloropropene	5.33	75	343627	52.79	ug/L	82
32) C165	Benzene	5.53	78	1073931	52.59	ug/L	100
33) C065	1,2-Dichloroethane	5.56	62	321099	51.92	ug/L	94
34) C110	2-Butanone	4.81	43	560691	249.16	ug/L	90

(#) = qualifier out of range (m) = manual integration
F8931.D R10L016.M Mon Dec 06 12:40:18 2010 HP5973

Quantitation Report

Data File : H:\GCMS_VOA\F\120410\F8931.D Vial: 6
Acq On : 4 Dec 2010 17:50 Operator: PJQ
Sample : T005522-CAL3 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 06 12:32:37 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Initial Calibration
DataAcq Meth : VOA

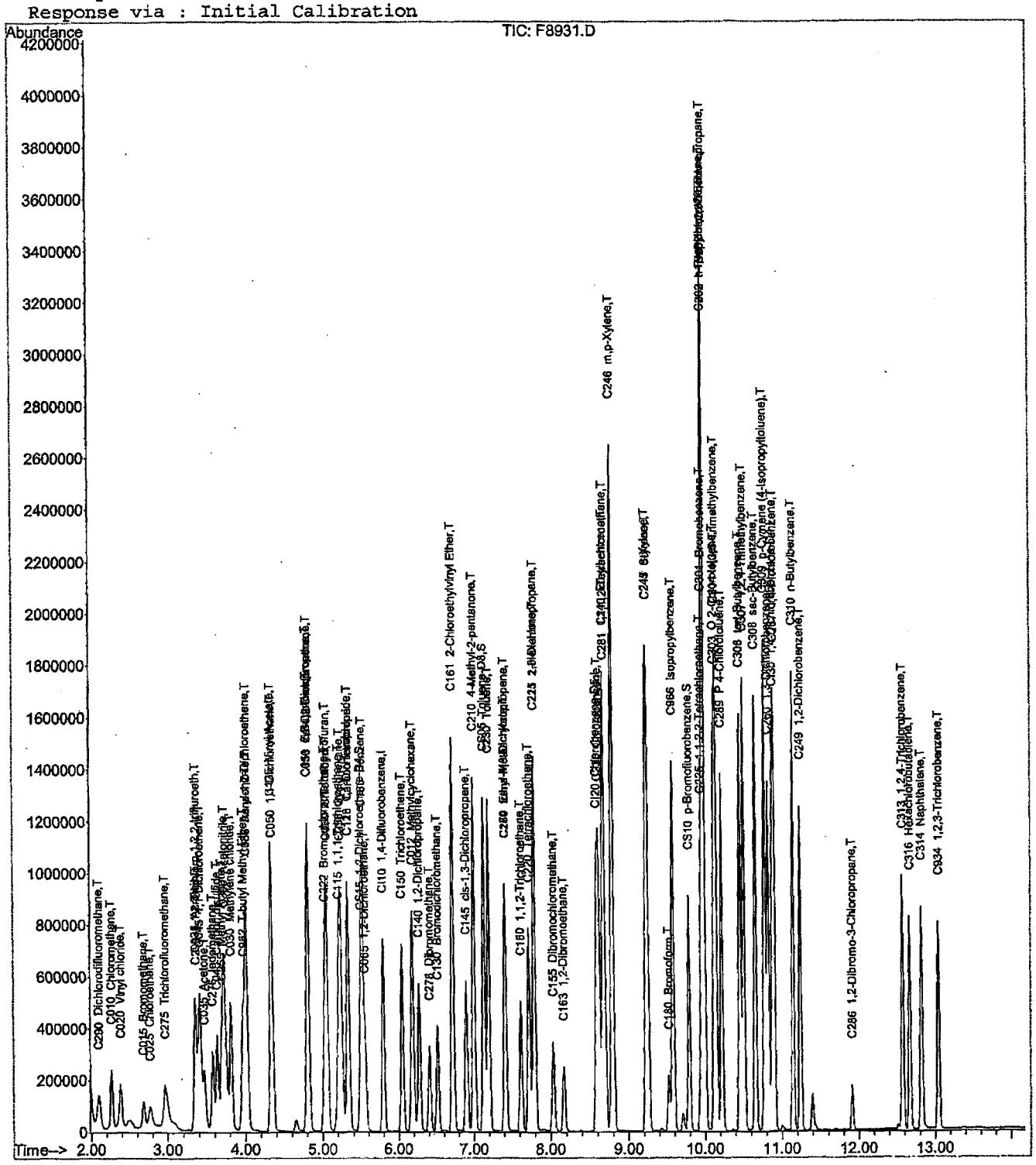
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
35)	C150	Trichloroethene	6.05	95	278547	52.95	ug/L		75
36)	C161	2-Chloroethylvinyl E	6.72	63	777411	257.90	ug/L	#	78
37)	C012	Methylcyclohexane	6.19	83	445512	52.39	ug/L		79
38)	C140	1,2-Dichloropropane	6.28	63	265521	52.06	ug/L		100
39)	C278	Dibromomethane	6.41	93	144345	51.00	ug/L		98
40)	C130	Bromodichloromethane	6.52	83	321465	52.45	ug/L		99
41)	C145	cis-1,3-Dichloroprop	6.90	75	404602	52.13	ug/L		89
44)	C230	Toluene	7.20	92	724569	52.33	ug/L		93
45)	C170	trans-1,3-Dichloropr	7.42	75	359092	52.72	ug/L		92
46)	C284	Ethyl Methacrylate	7.41	69	304051	51.58	ug/L	#	69
47)	C160	1,1,2-Trichloroethan	7.62	83	174712	51.51	ug/L		95
48)	C210	4-Methyl-2-pentanone	7.00	43	1186607	256.63	ug/L		98
49)	C220	Tetrachloroethene	7.73	166	323673	53.38	ug/L		89
50)	C221	1,3-Dichloropropane	7.79	76	372925	52.01	ug/L		97
51)	C155	Dibromochloromethane	8.04	129	256855	52.57	ug/L		84
52)	C163	1,2-Dibromoethane	8.17	107	235794	52.22	ug/L		94
53)	C215	2-Hexanone	7.80	43	863079	258.27	ug/L		96
54)	C235	Chlorobenzene	8.62	112	820400	52.73	ug/L		89
55)	C281	1,1,1,2-Tetrachloroe	8.70	131	282900	52.75	ug/L		99
56)	C240	Ethylbenzene	8.68	91	1308127	52.98	ug/L		93
57)	C246	m,p-Xylene	8.80	106	1103161	106.22	ug/L		92
58)	C247	o-Xylene	9.24	106	524882	52.51	ug/L	#	74
59)	C245	Styrene	9.25	104	827523	52.66	ug/L		94
60)	C180	Bromoform	9.53	173	137640	51.99	ug/L		84
63)	C966	Isopropylbenzene	9.58	105	1281248	52.68	ug/L		92
64)	C301	Bromobenzene	9.97	156	352174	51.96	ug/L		87
65)	C225	1,1,2,2-Tetrachloroe	9.95	83	254961	50.68	ug/L		91
66)	C282	1,2,3-Trichloropropa	10.00	110	85747	51.07	ug/L		100
67)	C283	t-1,4-Dichloro-2-But	9.99	53	370917	259.13	ug/L	#	62
68)	C302	n-Propylbenzene	9.99	91	1591351	53.30	ug/L		99
69)	C303	O 2-Chlorotoluene	10.12	126	357382	52.60	ug/L		100
70)	C289	P 4-Chlorotoluene	10.22	126	370844	52.62	ug/L		100
71)	C304	1,3,5-Trimethylbenze	10.15	105	1139023	52.56	ug/L		87
72)	C306	tert-Butylbenzene	10.47	134	273573	52.74	ug/L	#	90
73)	C307	1,2,4-Trimethylbenze	10.51	105	1156861	52.41	ug/L		97
74)	C308	sec-Butylbenzene	10.66	105	1453773	53.13	ug/L		96
75)	C260	1,3-Dichlorobenzene	10.82	146	704476	52.78	ug/L		95
76)	C309	p-Cymene (4-Isopropy	10.78	119	1277836	53.39	ug/L		93
77)	C267	1,4-Dichlorobenzene	10.90	146	696942	52.16	ug/L		96
78)	C249	1,2-Dichlorobenzene	11.24	146	645094	52.37	ug/L		97
79)	C310	n-Butylbenzene	11.15	91	1056828	53.55	ug/L		89
80)	C286	1,2-Dibromo-3-Chloro	11.91	75	42773	51.64	ug/L		90
81)	C313	1,2,4-Trichlorobenze	12.58	180	388435	52.77	ug/L		100
82)	C316	Hexachlorobutadiene	12.67	225	187511	52.97	ug/L		91
83)	C314	Naphthalene	12.83	128	939694	51.46	ug/L		95
84)	C934	1,2,3-Trichlorobenze	13.05	180	347030	52.53	ug/L		98

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

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\120410\F8931.D Vial: 6
Acq On : 4 Dec 2010 17:50 Operator: PJQ
Sample : T005522-CAL3 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:36 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:39:20 2010
Response via : Initial Calibration



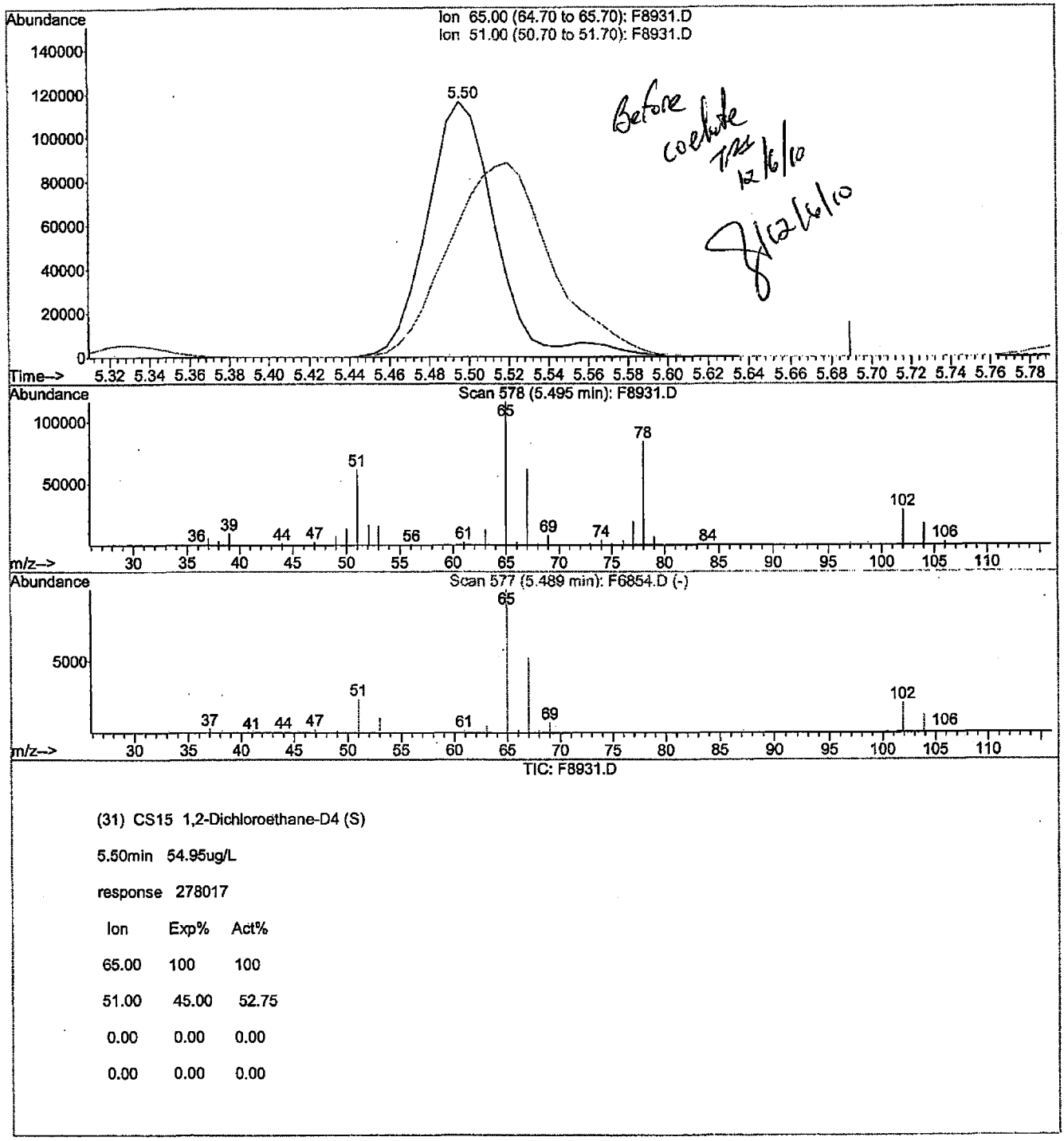
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120410\F8931.D
Acq On : 4 Dec 2010 17:50
Sample : T005522-CAL3
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:29 2010

Vial: 6
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Multiple Level Calibration



TIC: F8931.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 54.95ug/L

response 278017

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	52.75
0.00	0.00	0.00
0.00	0.00	0.00

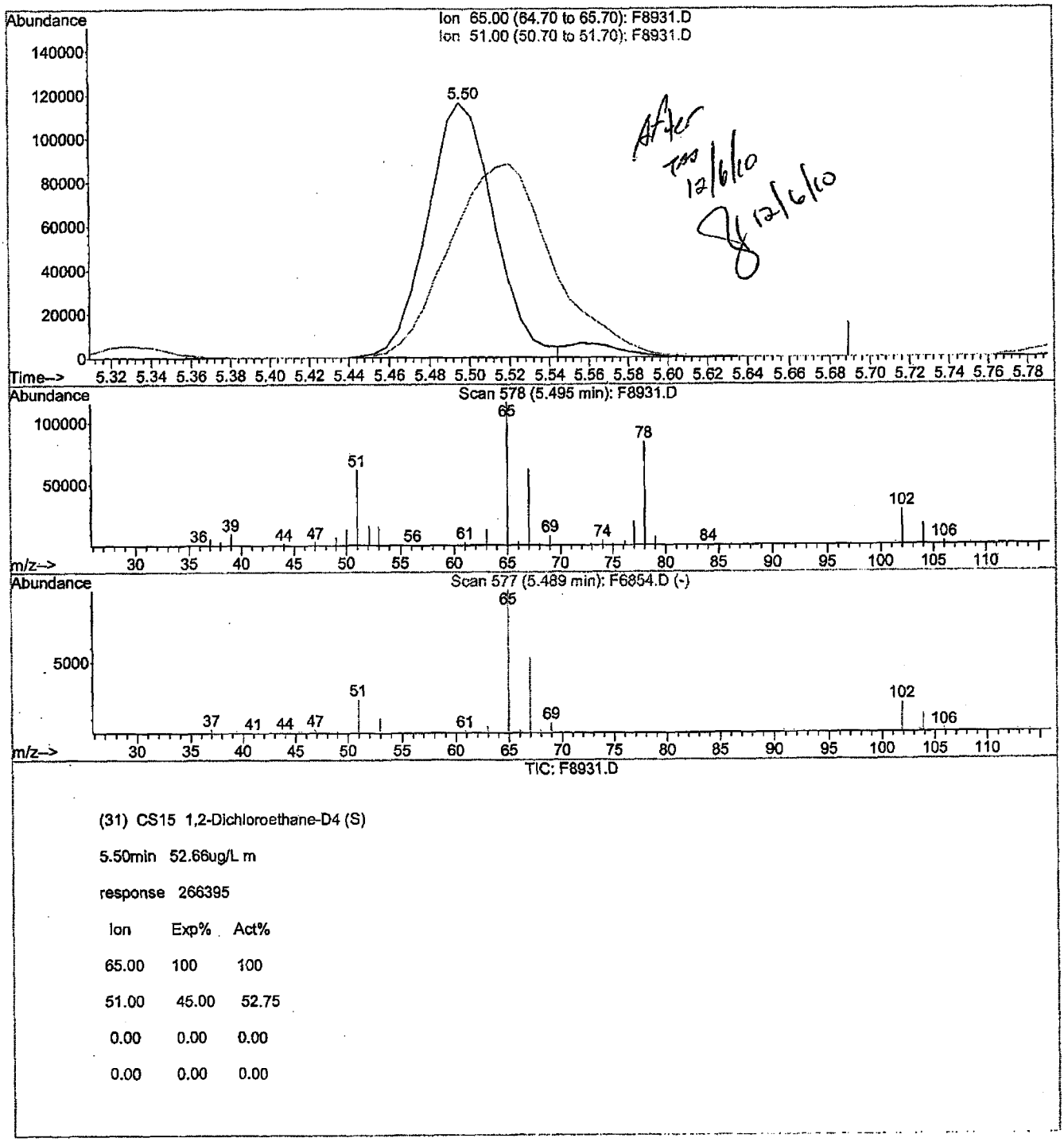
F8931.D R10L016.M Mon Dec 06 12:36:19 2010 HP5973

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120410\F8931.D
Acq On : 4 Dec 2010 17:50
Sample : T005522-CAL3
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:36 2010

Vial: 6
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Multiple Level Calibration



(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 52.66ug/L m

response 266395

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	52.75
0.00	0.00	0.00
0.00	0.00	0.00

F8931.D R10L016.M Mon Dec 06 12:36:24 2010 HP5973

Quantitation Report

Data File : H:\GCMS_VOA\F\120410\F8932.D Vial: 7
Acq On : 4 Dec 2010 18:16 Operator: PJQ
Sample : T005522-CAL4 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 06 12:33:20 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120410\F8931.D (4 Dec 2010 17:50)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	819404	50.00	ug/L	0.00 104.35%
42) CI20	Chlorobenzene-D5	8.59	82	364511	50.00	ug/L	0.00 106.01%
62) CI30	1,4-Dichlorobenzene-	10.89	152	398707	50.00	ug/L	0.00 106.53%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	520741m	98.63	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery	=	197.26%#	
43) CS05	Toluene-D8	7.13	98	2077530	100.22	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery	=	200.44%#	
61) CS10	p-Bromofluorobenzene	9.80	174	655445	99.52	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery	=	199.04%#	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	2.10	85	482369	100.15	ug/L	96
3) C010	Chloromethane	2.27	50	544642	93.07	ug/L	98
4) C020	Vinyl chloride	2.39	62	446246	98.06	ug/L	99
5) C015	Bromomethane	2.69	94	175168	87.62	ug/L	88
6) C025	Chloroethane	2.78	64	197871	95.89	ug/L	97
7) C275	Trichlorofluorometha	2.97	101	543998	99.98	ug/L	89
8) C291	1,1,2-Trichloro-1,2,	3.38	101	409293	102.08	ug/L	94
9) C045	1,1-Dichloroethene	3.41	96	404046	99.55	ug/L	97
10) C030	Methylene chloride	3.82	84	501611	90.88	ug/L	92
11) C040	Carbon disulfide	3.64	76	1274613	100.83	ug/L	96
12) C036	Acrolein	3.35	56	934190	2063.66	ug/L	98
13) C038	Acrylonitrile	4.02	53	844148	513.02	ug/L	98
14) C035	Acetone	3.47	43	686811	507.95	ug/L	96
15) C300	Acetonitrile	3.73	41	2401442	4063.39	ug/L	100
16) C276	Iodomethane	3.58	142	880554	99.94	ug/L	98
17) C255	Methyl Acetate	3.69	43	967875	102.59	ug/L	94
18) C962	T-butyl Methyl Ether	3.97	73	1334373	100.61	ug/L	92
19) C057	trans-1,2-Dichloroet	4.01	96	534343	99.18	ug/L #	79
20) C050	1,1-Dichloroethane	4.35	63	894982	99.64	ug/L	97
21) C125	Vinyl Acetate	4.33	43	3320179	502.63	ug/L	96
22) C051	2,2-Dichloropropane	4.81	77	634831	97.55	ug/L	86
23) C056	cis-1,2-Dichloroethe	4.82	96	604864	99.23	ug/L	87
24) C272	Tetrahydrofuran	5.04	42	834724	516.02	ug/L	98
25) C222	Bromochloromethane	5.03	128	305152	100.64	ug/L	90
26) C060	Chloroform	5.06	83	860236	98.27	ug/L	98
27) C256	Cyclohexane	5.24	56	836294	96.54	ug/L	90
28) C115	1,1,1-Trichloroethan	5.22	97	750485	100.35	ug/L	98
29) C120	Carbon tetrachloride	5.34	117	687487	102.56	ug/L	93
30) C116	1,1-Dichloropropene	5.33	75	674423	99.29	ug/L	84
32) C165	Benzene	5.53	78	2118472	99.42	ug/L	99
33) C065	1,2-Dichloroethane	5.56	62	647945	100.40	ug/L	95
34) C110	2-Butanone	4.80	43	1198162	510.23	ug/L	90

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120410\F8932.D
Acq On : 4 Dec 2010 18:16
Sample : T005522-CAL4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 06 12:33:20 2010

Vial: 7
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit		Qvalue
35)	C150	Trichloroethene	6.05	95	543860	99.08 ug/L		78
36)	C161	2-Chloroethylvinyl E	6.72	63	1606584	510.74 ug/L	#	78
37)	C012	Methylcyclohexane	6.19	83	895381	100.89 ug/L		82
38)	C140	1,2-Dichloropropane	6.27	63	528346	99.28 ug/L		100
39)	C278	Dibromomethane	6.41	93	299305	101.34 ug/L		97
40)	C130	Bromodichloromethane	6.52	83	654139	102.27 ug/L		98
41)	C145	cis-1,3-Dichloroprop	6.90	75	810614	100.09 ug/L		90
44)	C230	Toluene	7.20	92	1406424	95.82 ug/L		95
45)	C170	trans-1,3-Dichloropr	7.42	75	730047	101.10 ug/L		90
46)	C284	Ethyl Methacrylate	7.41	69	639645	102.37 ug/L	#	70
47)	C160	1,1,2-Trichloroethan	7.62	83	358031	99.58 ug/L		95
48)	C210	4-Methyl-2-pentanone	7.00	43	2507090	511.47 ug/L		95
49)	C220	Tetrachloroethene	7.73	166	633170	98.50 ug/L		89
50)	C221	1,3-Dichloropropane	7.79	76	755400	99.37 ug/L		99
51)	C155	Dibromochloromethane	8.04	129	548423	105.87 ug/L		82
52)	C163	1,2-Dibromoethane	8.17	107	481732	100.65 ug/L		91
53)	C215	2-Hexanone	7.80	43	1849425	522.06 ug/L		95
54)	C235	Chlorobenzene	8.63	112	1617355	98.07 ug/L		89
55)	C281	1,1,1,2-Tetrachloroe	8.70	131	581166	102.23 ug/L		98
56)	C240	Ethylbenzene	8.68	91	2558485	97.75 ug/L		91
57)	C246	m,p-Xylene	8.80	106	2164922	196.63 ug/L		90
58)	C247	o-Xylene	9.24	106	1046191	98.73 ug/L	#	73
59)	C245	Styrene	9.25	104	1657463	99.50 ug/L		95
60)	C180	Bromoform	9.53	173	310488	110.64 ug/L		86
63)	C966	Isopropylbenzene	9.58	105	2516459	97.12 ug/L		91
64)	C301	Bromobenzene	9.97	156	704257	97.54 ug/L		86
65)	C225	1,1,2,2-Tetrachloroe	9.95	83	538742	100.52 ug/L		92
66)	C282	1,2,3-Trichloropropa	10.00	110	183050	102.34 ug/L		100
67)	C283	t-1,4-Dichloro-2-But	9.99	53	774480	507.89 ug/L	#	62
68)	C302	n-Propylbenzene	9.99	91	3080151	96.83 ug/L		98
69)	C303	O 2-Chlorotoluene	10.12	126	711901	98.35 ug/L		100
70)	C289	P 4-Chlorotoluene	10.22	126	739777	98.54 ug/L		100
71)	C304	1,3,5-Trimethylbenze	10.15	105	2226978	96.45 ug/L		87
72)	C306	tert-Butylbenzene	10.47	134	543130	98.28 ug/L	#	92
73)	C307	1,2,4-Trimethylbenze	10.51	105	2265756	96.35 ug/L		96
74)	C308	sec-Butylbenzene	10.66	105	2824827	96.90 ug/L		98
75)	C260	1,3-Dichlorobenzene	10.82	146	1387336	97.57 ug/L		96
76)	C309	p-Cymene (4-Isopropy	10.78	119	2500316	98.06 ug/L		93
77)	C267	1,4-Dichlorobenzene	10.90	146	1388563	97.55 ug/L		95
78)	C249	1,2-Dichlorobenzene	11.24	146	1278670	97.45 ug/L		97
79)	C310	n-Butylbenzene	11.15	91	2048828	97.44 ug/L		86
80)	C286	1,2-Dibromo-3-Chloro	11.91	75	94796	107.42 ug/L		86
81)	C313	1,2,4-Trichlorobenze	12.58	180	751592	95.85 ug/L		99
82)	C316	Hexachlorobutadiene	12.67	225	369192	97.90 ug/L		95
83)	C314	Naphthalene	12.83	128	1931563	99.29 ug/L		95
84)	C934	1,2,3-Trichlorobenze	13.05	180	685381	97.38 ug/L		100

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

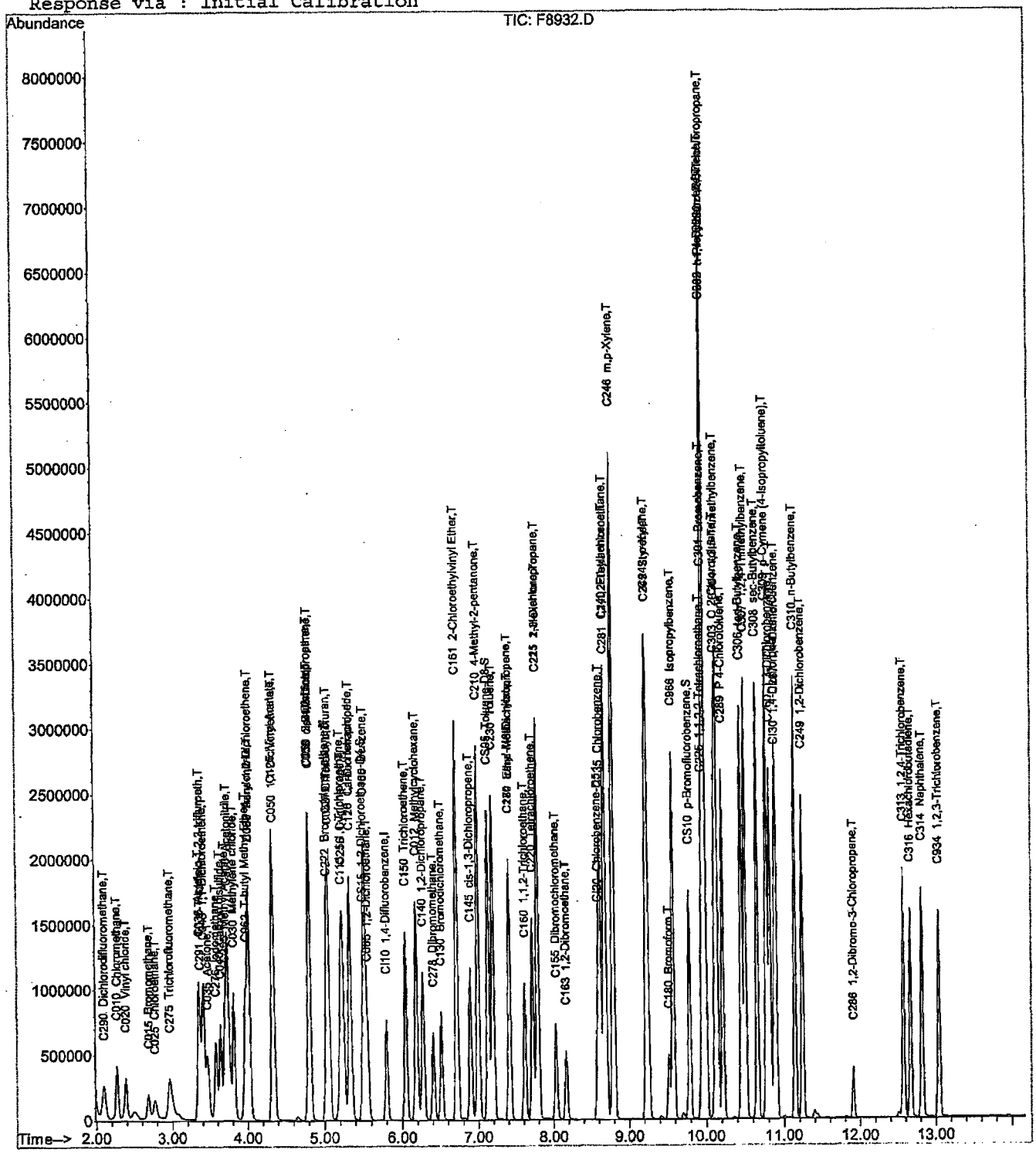
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\120410\F8932.D
Acq On : 4 Dec 2010 18:16
Sample : T005522-CAL4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:37 2010

Vial: 7
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:39:20 2010
Response via : Initial Calibration



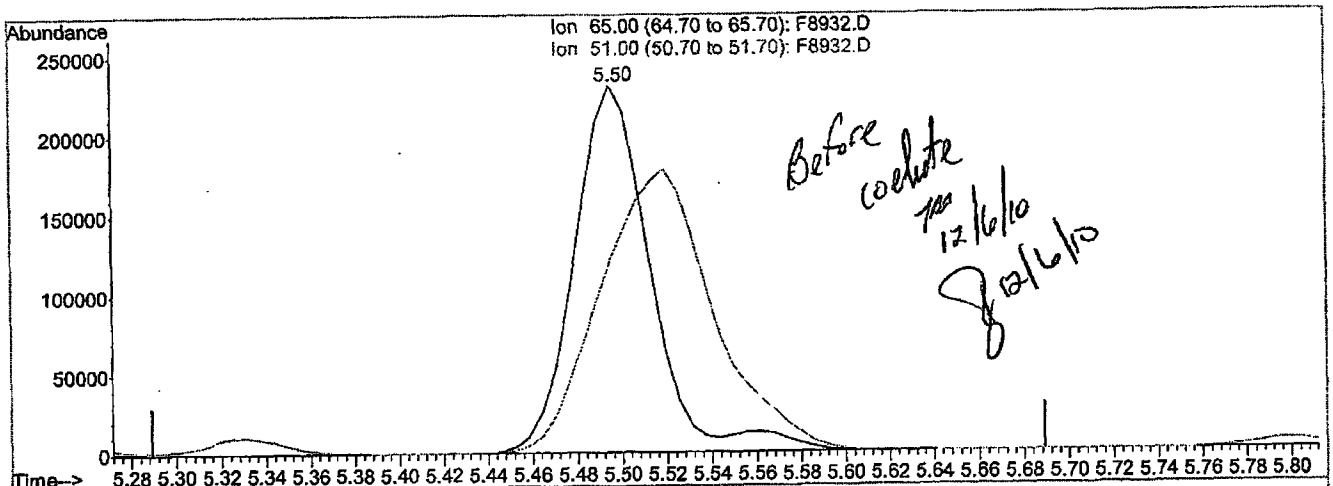
Quantitation Report (Qedit)

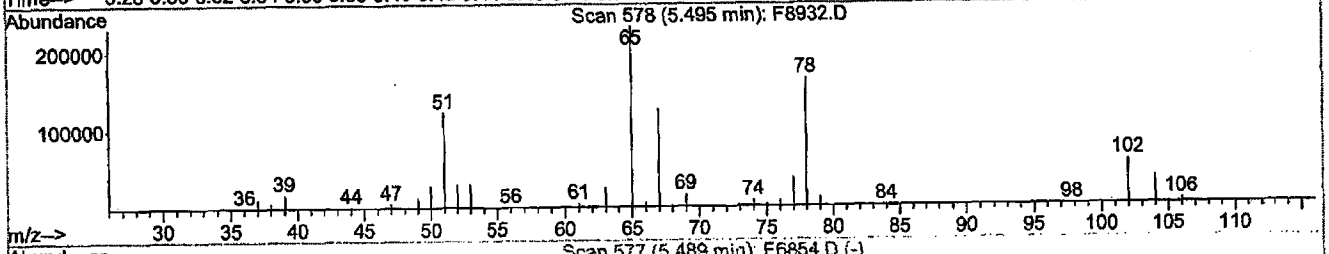
Data File : H:\GCMS_VOA\F\120410\F8932.D
Acq On : 4 Dec 2010 18:16
Sample : T005522-CAL4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:29 2010

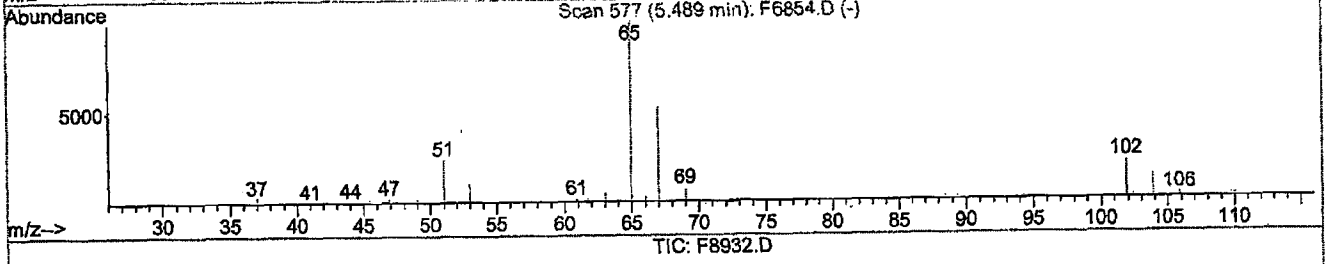
Vial: 7
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Multiple Level Calibration







TIC: F8932.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 103.22ug/L

response 544971

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	52.78
0.00	0.00	0.00
0.00	0.00	0.00

F8932.D R10L016.M Mon Dec 06 12:37:14 2010 HP5973

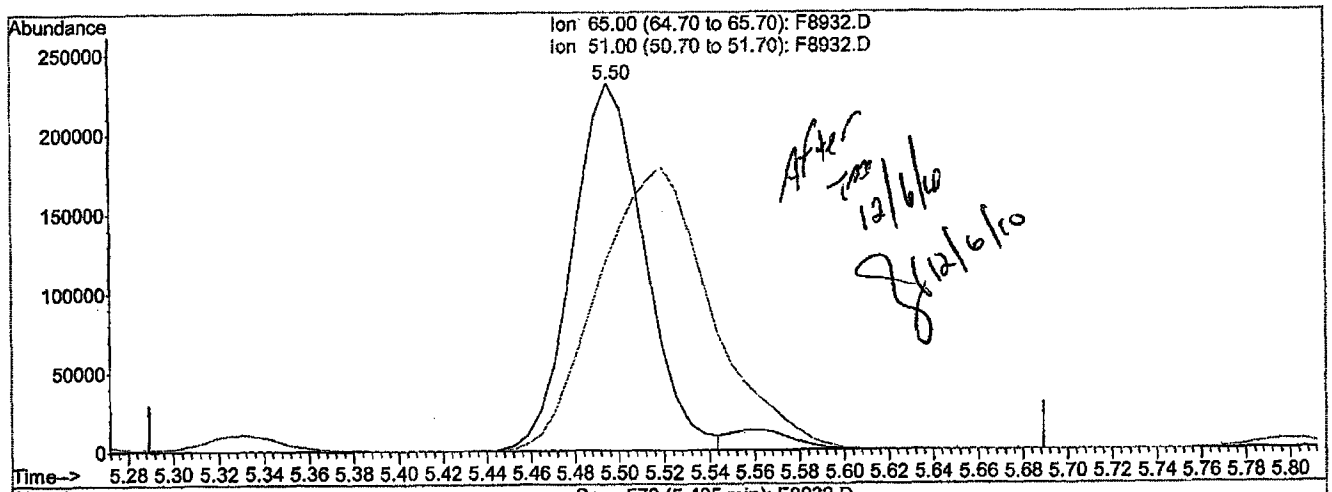
Quantitation Report (Qedit)

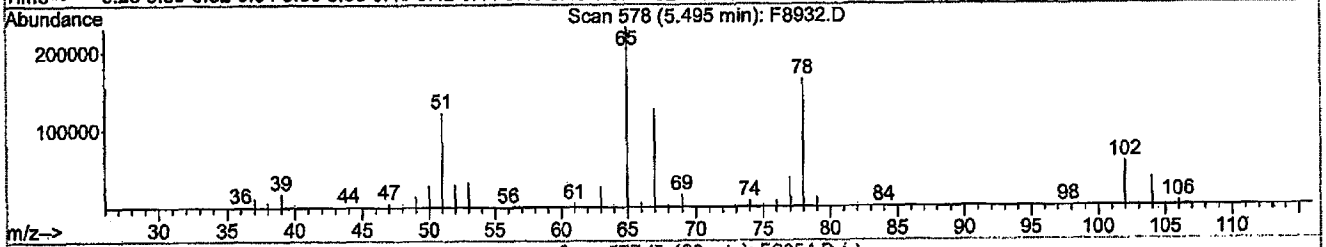
Data File : H:\GCMS_VOA\F\120410\F8932.D
Acq On : 4 Dec 2010 18:16
Sample : T005522-CAL4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:37 2010

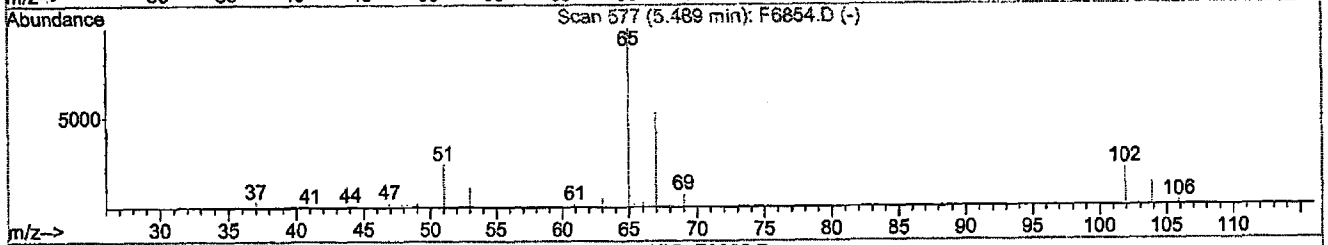
Vial: 7
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Multiple Level Calibration







TIC: F8932.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 98.63ug/L m

response 520741

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	52.78
0.00	0.00	0.00
0.00	0.00	0.00

F8932.D R10L016.M Mon Dec 06 12:37:19 2010 HP5973

Quantitation Report

Data File : H:\GCMS_VOA\F\120410\F8933.D Vial: 8
Acq On : 4 Dec 2010 18:41 Operator: PJQ
Sample : T005522-CAL5 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 06 12:33:34 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120410\F8931.D (4 Dec 2010 17:50)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	854663	50.00	ug/L	0.00 108.84%
42) CI20	Chlorobenzene-D5	8.59	82	377853	50.00	ug/L	0.00 109.89%
62) CI30	1,4-Dichlorobenzene-	10.88	152	416357	50.00	ug/L	0.00 111.25%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	988083m	179.43	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery	=	358.86%#	
43) CS05	Toluene-D8	7.13	98	3811079	177.35	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery	=	354.70%#	
61) CS10	p-Bromofluorobenzene	9.80	174	1236521	181.13	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery	=	362.26%#	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	2.09	85	849673	169.13	ug/L	98
3) C010	Chloromethane	2.27	50	977943	160.22	ug/L	98
4) C020	Vinyl chloride	2.39	62	789483	166.32	ug/L	100
5) C015	Bromomethane	2.69	94	338482	162.32	ug/L	83
6) C025	Chloroethane	2.77	64	372577	173.10	ug/L	98
7) C275	Trichlorofluorometha	2.97	101	988272	174.14	ug/L	93
8) C291	1,1,2-Trichloro-1,2,	3.38	101	721640	172.55	ug/L	95
9) C045	1,1-Dichloroethene	3.41	96	744796	175.94	ug/L	97
10) C030	Methylene chloride	3.82	84	969582	168.41	ug/L	94
11) C040	Carbon disulfide	3.64	76	2308368	175.07	ug/L	95
12) C036	Acrolein	3.35	56	1724626	3652.59	ug/L	96
13) C038	Acrylonitrile	4.02	53	1590921	926.98	ug/L	98
14) C035	Acetone	3.47	43	1271654	901.68	ug/L	98
15) C300	Acetonitrile	3.73	41	4491354	7286.13	ug/L	100
16) C276	Iodomethane	3.58	142	1664971	181.17	ug/L	99
17) C255	Methyl Acetate	3.69	43	1797318	182.66	ug/L	95
18) C962	T-butyl Methyl Ether	3.97	73	2523569	182.42	ug/L	92
19) C057	trans-1,2-Dichloroet	4.01	96	1018497	181.25	ug/L #	78
20) C050	1,1-Dichloroethane	4.35	63	1689213	180.30	ug/L	98
21) C125	Vinyl Acetate	4.33	43	5887374	854.50	ug/L	95
22) C051	2,2-Dichloropropane	4.80	77	1166024	171.78	ug/L	89
23) C056	cis-1,2-Dichloroethe	4.81	96	1160815	182.58	ug/L	88
24) C272	Tetrahydrofuran	5.05	42	1526475	904.73	ug/L	98
25) C222	Bromochloromethane	5.03	128	593546	187.67	ug/L	88
26) C060	Chloroform	5.06	83	1650089	180.72	ug/L	98
27) C256	Cyclohexane	5.24	56	1503749	166.43	ug/L	90
28) C115	1,1,1-Trichloroethan	5.21	97	1398685	179.30	ug/L	96
29) C120	Carbon tetrachloride	5.34	117	1288515	184.29	ug/L	94
30) C116	1,1-Dichloropropene	5.33	75	1251465	176.64	ug/L	84
32) C165	Benzene	5.53	78	3957739	178.07	ug/L	97
33) C065	1,2-Dichloroethane	5.56	62	1242659	184.60	ug/L	94
34) C110	2-Butanone	4.80	43	2173989	887.58	ug/L	92

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120410\F8933.D
Acq On : 4 Dec 2010 18:41
Sample : T005522-CAL5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 06 12:33:34 2010

Vial: 8
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
35)	C150	Trichloroethene	6.05	95	1034406	180.67	ug/L		77
36)	C161	2-Chloroethylvinyl E	6.72	63	2993266	912.31	ug/L	#	76
37)	C012	Methylcyclohexane	6.19	83	1611783	174.12	ug/L		83
38)	C140	1,2-Dichloropropane	6.27	63	1018512	183.48	ug/L		100
39)	C278	Dibromomethane	6.41	93	576229	187.05	ug/L		97
40)	C130	Bromodichloromethane	6.52	83	1290904	193.49	ug/L		97
41)	C145	cis-1,3-Dichloroprop	6.90	75	1599476	189.34	ug/L		90
44)	C230	Toluene	7.20	92	2685770	176.52	ug/L		99
45)	C170	trans-1,3-Dichloropr	7.42	75	1432949	191.43	ug/L		89
46)	C284	Ethyl Methacrylate	7.41	69	1223338	188.87	ug/L	#	69
47)	C160	1,1,2-Trichloroethan	7.62	83	700267	187.89	ug/L		94
48)	C210	4-Methyl-2-pentanone	7.00	43	4492661	884.19	ug/L		93
49)	C220	Tetrachloroethene	7.73	166	1195576	179.42	ug/L		88
50)	C221	1,3-Dichloropropane	7.79	76	1457063	184.91	ug/L		99
51)	C155	Dibromochloromethane	8.04	129	1102909	205.40	ug/L		81
52)	C163	1,2-Dibromoethane	8.17	107	936194	188.69	ug/L		91
53)	C215	2-Hexanone	7.79	43	3310267	901.43	ug/L		93
54)	C235	Chlorobenzene	8.62	112	3108657	181.84	ug/L		89
55)	C281	1,1,1,2-Tetrachloroe	8.70	131	1135758	192.73	ug/L		100
56)	C240	Ethylbenzene	8.68	91	4780894	176.22	ug/L		89
57)	C246	m,p-Xylene	8.80	106	4100670	359.29	ug/L		84
58)	C247	o-Xylene	9.24	106	2013916	183.34	ug/L	#	70
59)	C245	Styrene	9.25	104	3210534	185.93	ug/L		94
60)	C180	Bromoform	9.53	173	635537	218.47	ug/L		85
63)	C966	Isopropylbenzene	9.58	105	4651483	171.91	ug/L		90
64)	C301	Bromobenzene	9.97	156	1367505	181.37	ug/L		85
65)	C225	1,1,2,2-Tetrachloroe	9.95	83	1028061	183.68	ug/L		93
66)	C282	1,2,3-Trichloropropa	10.00	110	342481	183.36	ug/L		100
67)	C283	t-1,4-Dichloro-2-But	9.99	53	1389886	872.82	ug/L	#	57
68)	C302	n-Propylbenzene	9.99	91	5552180	167.14	ug/L		95
69)	C303	O 2-Chlorotoluene	10.12	126	1366437	180.77	ug/L		100
70)	C289	P 4-Chlorotoluene	10.22	126	1444138	184.20	ug/L		100
71)	C304	1,3,5-Trimethylbenze	10.15	105	4164363	172.72	ug/L		88
72)	C306	tert-Butylbenzene	10.47	134	1018443	176.48	ug/L	#	90
73)	C307	1,2,4-Trimethylbenze	10.51	105	4303856	175.27	ug/L		99
74)	C308	sec-Butylbenzene	10.66	105	5155634	169.35	ug/L		100
75)	C260	1,3-Dichlorobenzene	10.82	146	2703198	182.06	ug/L		95
76)	C309	p-Cymene (4-Isopropy	10.78	119	4628325	173.83	ug/L		92
77)	C267	1,4-Dichlorobenzene	10.90	146	2697714	181.48	ug/L		96
78)	C249	1,2-Dichlorobenzene	11.24	146	2493722	181.99	ug/L		97
79)	C310	n-Butylbenzene	11.15	91	3792897	172.74	ug/L		83
80)	C286	1,2-Dibromo-3-Chloro	11.91	75	183466	199.09	ug/L		84
81)	C313	1,2,4-Trichlorobenze	12.58	180	1505786	183.89	ug/L		98
82)	C316	Hexachlorobutadiene	12.67	225	680406	172.77	ug/L		94
83)	C314	Naphthalene	12.82	128	3703897	182.33	ug/L		96
84)	C934	1,2,3-Trichlorobenze	13.04	180	1356905	184.62	ug/L		99

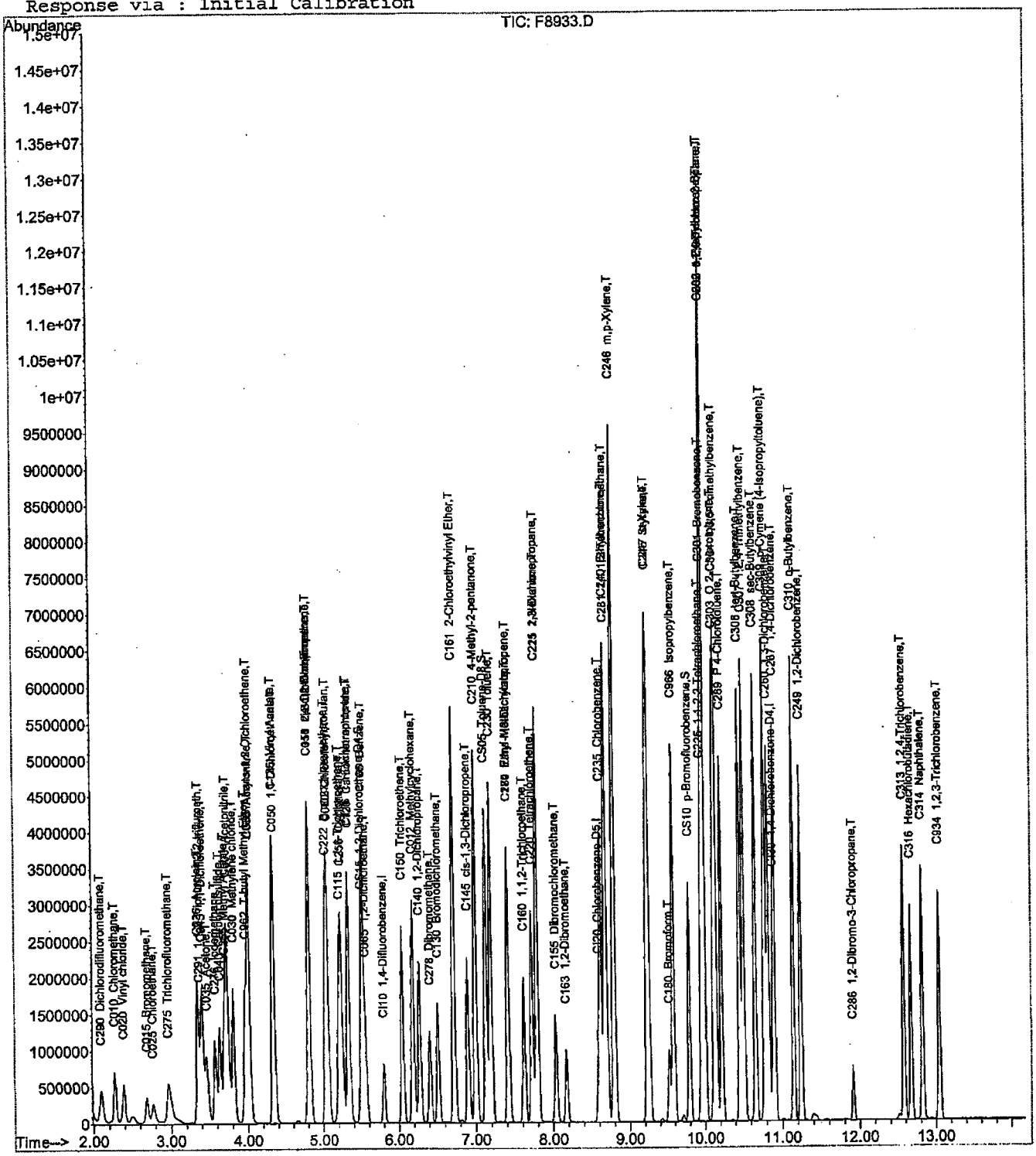
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\120410\F8933.D
Acq On : 4 Dec 2010 18:41
Sample : T005522-CAL5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:37 2010

Vial: 8
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: R10L016.RES

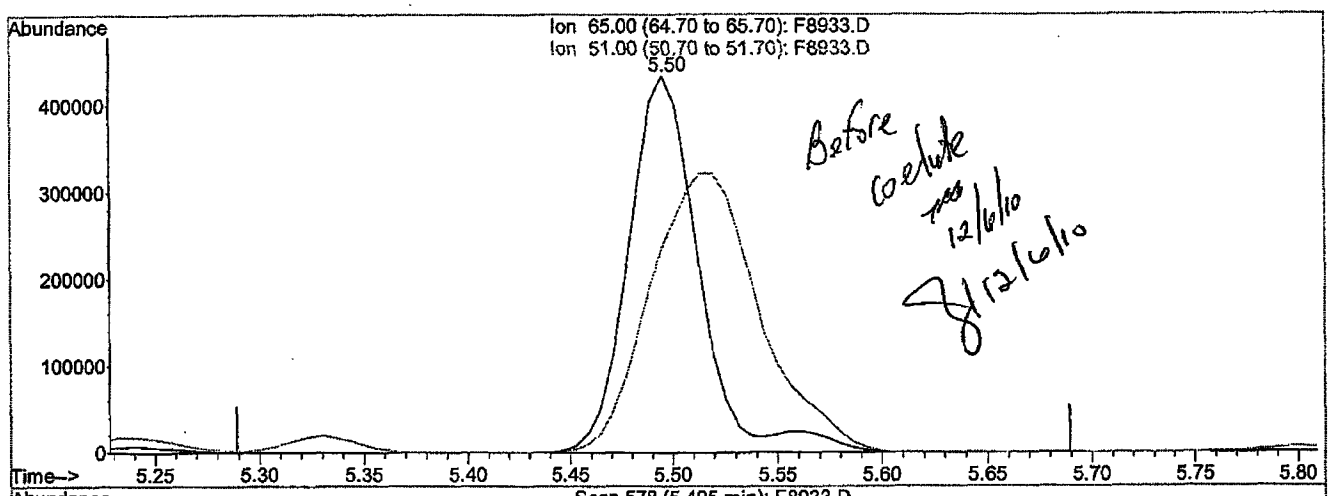
Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:39:20 2010
Response via : Initial Calibration

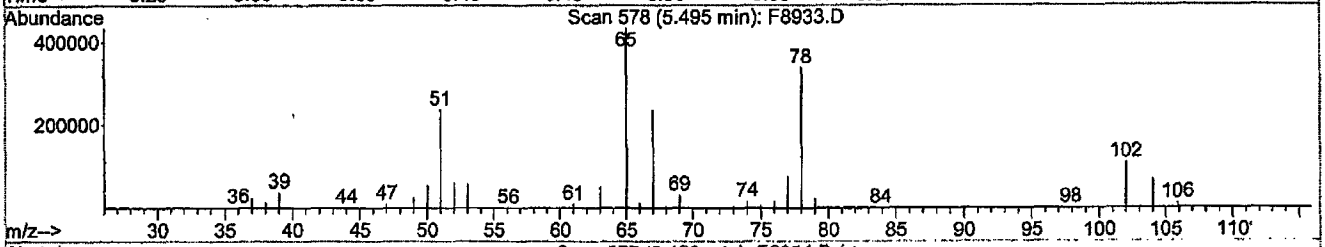


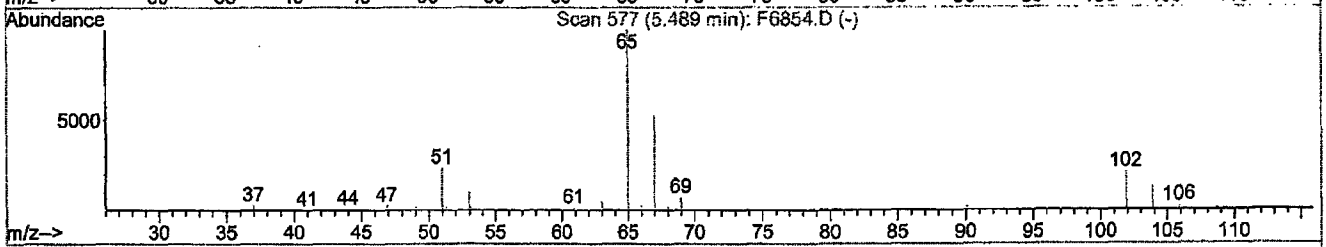
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120410\F8933.D Vial: 8
Acq On : 4 Dec 2010 18:41 Operator: PJQ
Sample : T005522-CAL5 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:30 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Multiple Level Calibration







TIC: F8933.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 187.76ug/L

response 1033945

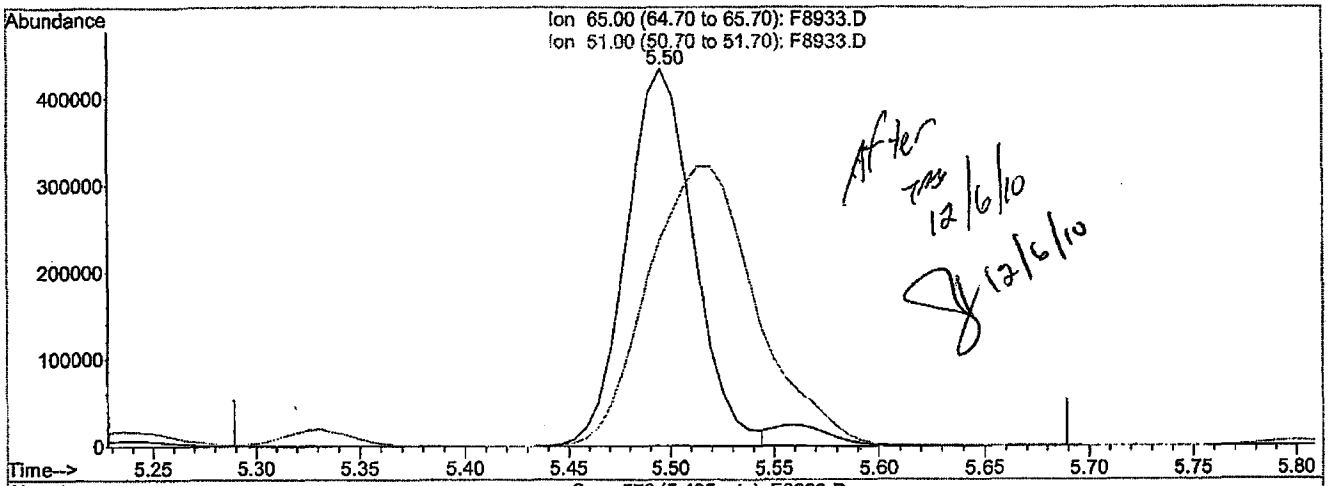
Ion	Exp%	Act%
65.00	100	100
51.00	45.00	54.73
0.00	0.00	0.00
0.00	0.00	0.00

F8933.D R10L016.M Mon Dec 06 12:37:50 2010 HP5973

Quantitation Report (Qedit)

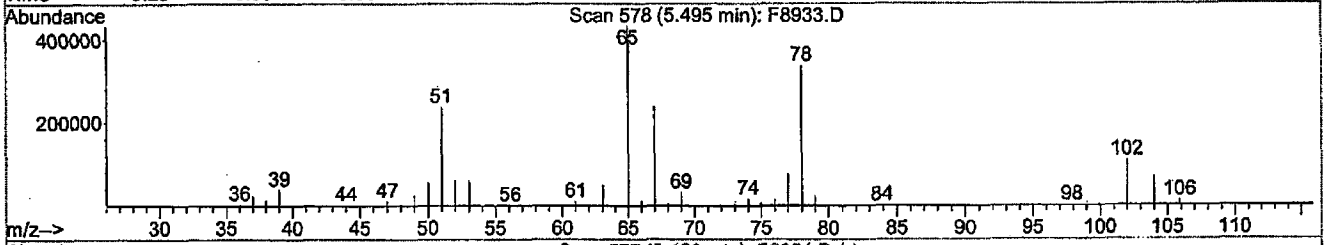
Data File : H:\GCMS_VOA\F\120410\F8933.D Vial: 8
Acq On : 4 Dec 2010 18:41 Operator: PJQ
Sample : T005522-CAL5 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:37 2010 Quant Results File: temp.res

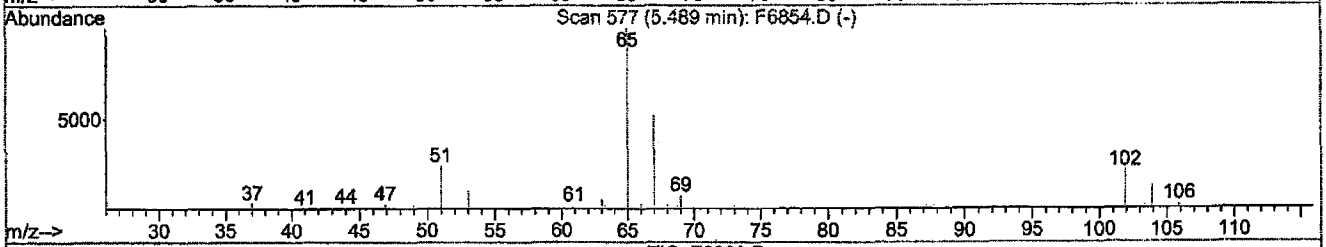
Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:30:30 2010
Response via : Multiple Level Calibration



After TMS 12/6/10

12/6/10





TIC: F8933.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 179.43ug/L m

response 988083

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	54.73
0.00	0.00	0.00
0.00	0.00	0.00

F8933.D R10L016.M Mon Dec 06 12:37:56 2010 HP5973

Quantitation Report

Data File : H:\GCMS_VOA\F\120410\F8941.D Vial: 16
Acq On : 4 Dec 2010 22:04 Operator: PJQ
Sample : T005522-SCV1 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 06 12:44:50 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:39:20 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120410\F8931.D (4 Dec 2010 17:50)

S+E yes 12/6/10

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	834821	50.00	ug/L	0.00 106.32%
42) CI20	Chlorobenzene-D5	8.59	82	375928	50.00	ug/L	0.00 109.33%
62) CI30	1,4-Dichlorobenzene-	10.88	152	413937	50.00	ug/L	0.00 110.60%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	268915m	49.99	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	99.98%		
43) CS05	Toluene-D8	7.13	98	1123684	52.56	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	105.12%		
61) CS10	p-Bromofluorobenzene	9.80	174	349076	51.39	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	102.78%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	2.10	85	158003	32.20	ug/L	98
3) C010	Chloromethane	2.26	50	235262	39.46	ug/L	96
4) C020	Vinyl chloride	2.39	62	191618	41.33	ug/L	96
5) C015	Bromomethane	2.68	94	79285	46.81	ug/L	79
6) C025	Chloroethane	2.78	64	95610	45.48	ug/L	95
7) C275	Trichlorofluorometha	2.97	101	238556	43.02	ug/L	92
8) C291	1,1,2-Trichloro-1,2,	3.37	101	176412	43.19	ug/L	95
9) C045	1,1-Dichloroethene	3.41	96	220600	53.36	ug/L	99
10) C030	Methylene chloride	3.82	84	249639	51.49	ug/L	93
11) C040	Carbon disulfide	3.64	76	577928	44.87	ug/L	96
12) C036	Acrolein	3.35	56	242908	521.51	ug/L	95
13) C038	Acrylonitrile	4.03	53	401517	239.51	ug/L	98
14) C035	Acetone	3.47	43	316148	229.50	ug/L	95
15) C300	Acetonitrile	3.73	41	1107949	1839.75	ug/L	100
16) C276	Iodomethane	3.58	142	327120	36.44	ug/L	98
17) C255	Methyl Acetate	3.69	43	255115	26.47	ug/L	94
18) C962	T-butyl Methyl Ether	3.97	73	653906	48.39	ug/L	92
19) C057	trans-1,2-Dichloroet	4.01	96	254293	46.33	ug/L #	80
20) C050	1,1-Dichloroethane	4.35	63	428396	46.81	ug/L	98
21) C125	Vinyl Acetate	4.33	43	2006402	299.38	ug/L	97
22) C051	2,2-Dichloropropane	4.81	77	292452	44.11	ug/L	85
23) C056	cis-1,2-Dichloroethe	4.81	96	281709	45.36	ug/L	92
24) C272	Tetrahydrofuran	5.05	42	373326	226.21	ug/L	99
25) C222	Bromochloromethane	5.03	128	146546	47.44	ug/L	89
26) C060	Chloroform	5.06	83	419269	47.01	ug/L	100
27) C256	Cyclohexane	5.24	56	372825	42.40	ug/L	89
28) C115	1,1,1-Trichloroethan	5.21	97	352450	46.26	ug/L	97
29) C120	Carbon tetrachloride	5.34	117	316487	46.34	ug/L	95
30) C116	1,1-Dichloropropene	5.33	75	325233	47.00	ug/L	85
32) C165	Benzene	5.53	78	1013818	46.70	ug/L	100
33) C065	1,2-Dichloroethane	5.56	62	308365	46.90	ug/L	93
34) C110	2-Butanone	4.81	43	563317	235.45	ug/L	91

(#) = qualifier out of range (m) = manual integration
F8941.D R10L016.M Mon Dec 06 12:45:45 2010 HP5973

Quantitation Report

Data File : H:\GCMS_VOA\F\120410\F8941.D Vial: 16
Acq On : 4 Dec 2010 22:04 Operator: PJQ
Sample : T005522-SCV1 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 06 12:44:50 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:39:20 2010
Response via : Initial Calibration
DataAcq Meth : VOA

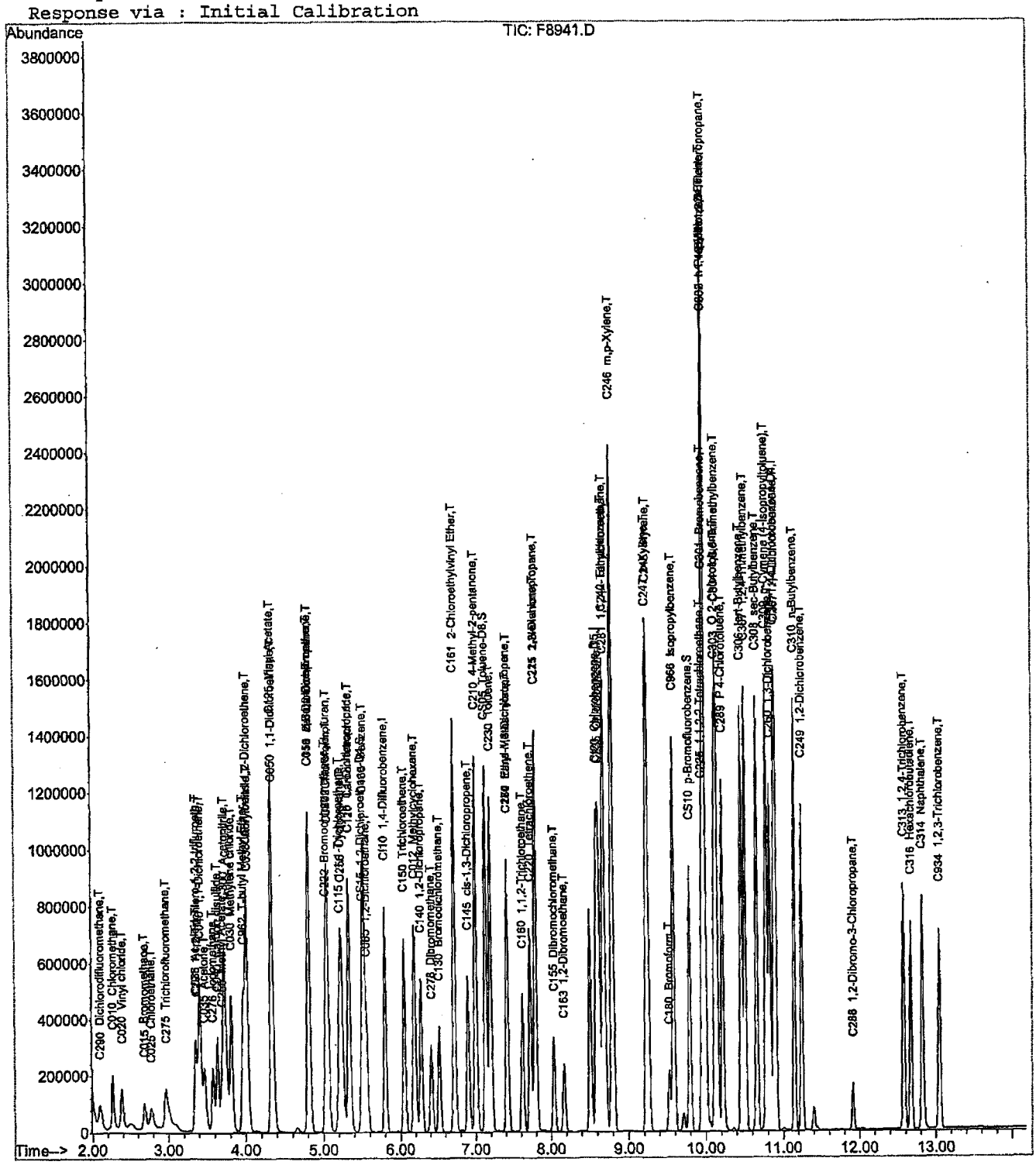
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
35)	C150	Trichloroethene	6.05	95	262182	46.88	ug/L		79
36)	C161	2-Chloroethylvinyl E	6.72	63	747029	233.10	ug/L	#	78
37)	C012	Methylcyclohexane	6.19	83	389811	43.11	ug/L		83
38)	C140	1,2-Dichloropropane	6.27	63	248768	45.87	ug/L		100
39)	C278	Dibromomethane	6.41	93	139124	46.24	ug/L		96
40)	C130	Bromodichloromethane	6.52	83	298600	45.82	ug/L		99
41)	C145	cis-1,3-Dichloroprop	6.90	75	376102	45.58	ug/L		89
44)	C230	Toluene	7.20	92	665550	43.97	ug/L		93
45)	C170	trans-1,3-Dichloropr	7.42	75	342177	45.95	ug/L		91
46)	C284	Ethyl Methacrylate	7.41	69	317026	49.19	ug/L	#	72
47)	C160	1,1,2-Trichloroethan	7.62	83	169085	45.59	ug/L		97
48)	C210	4-Methyl-2-pentanone	7.00	43	1179760	233.37	ug/L		96
49)	C220	Tetrachloroethene	7.73	166	293519	44.27	ug/L		89
50)	C221	1,3-Dichloropropane	7.79	76	352700	44.99	ug/L		98
51)	C155	Dibromochloromethane	8.04	129	246071	46.06	ug/L		82
52)	C163	1,2-Dibromoethane	8.17	107	223846	45.35	ug/L		92
53)	C215	2-Hexanone	7.80	43	860611	235.56	ug/L		96
54)	C235	Chlorobenzene	8.63	112	773660	45.49	ug/L		88
55)	C281	1,1,1,2-Tetrachloroe	8.70	131	268660	45.82	ug/L		99
56)	C240	Ethylbenzene	8.68	91	1220753	45.23	ug/L		94
57)	C246	m,p-Xylene	8.80	106	1022673	90.06	ug/L		93
58)	C247	o-Xylene	9.23	106	495682	45.36	ug/L	#	73
59)	C245	Styrene	9.25	104	807391	47.00	ug/L		94
60)	C180	Bromoform	9.53	173	133677	46.19	ug/L		83
63)	C966	Isopropylbenzene	9.58	105	1233459	45.85	ug/L		92
64)	C301	Bromobenzene	9.97	156	331338	44.20	ug/L		87
65)	C225	1,1,2,2-Tetrachloroe	9.95	83	249433	44.83	ug/L		92
66)	C282	1,2,3-Trichloropropa	10.00	110	78246	42.14	ug/L		100
67)	C283	t-1,4-Dichloro-2-But	9.99	53	363762	229.77	ug/L	#	69
68)	C302	n-Propylbenzene	9.99	91	1434305	43.43	ug/L		100
69)	C303	O 2-Chlorotoluene	10.12	126	330622	44.01	ug/L		100
70)	C289	P 4-Chlorotoluene	10.22	126	338080	43.37	ug/L		100
71)	C304	1,3,5-Trimethylbenze	10.15	105	1039704	43.37	ug/L		88
72)	C306	tert-Butylbenzene	10.47	134	248208	43.26	ug/L	#	90
73)	C307	1,2,4-Trimethylbenze	10.51	105	1049491	42.99	ug/L		95
74)	C308	sec-Butylbenzene	10.66	105	1314520	43.43	ug/L		96
75)	C260	1,3-Dichlorobenzene	10.82	146	632953	42.88	ug/L		96
76)	C309	p-Cymene (4-Isopropy	10.78	119	1118514	42.26	ug/L		93
77)	C267	1,4-Dichlorobenzene	10.90	146	643305	43.53	ug/L		96
78)	C249	1,2-Dichlorobenzene	11.24	146	594794	43.66	ug/L		96
79)	C310	n-Butylbenzene	11.15	91	913317	41.84	ug/L		87
80)	C286	1,2-Dibromo-3-Chloro	11.91	75	40140	43.81	ug/L		89
81)	C313	1,2,4-Trichlorobenze	12.58	180	341349	41.93	ug/L		97
82)	C316	Hexachlorobutadiene	12.67	225	165808	42.35	ug/L		94
83)	C314	Naphthalene	12.82	128	881843	43.66	ug/L		94
84)	C934	1,2,3-Trichlorobenze	13.04	180	311307	42.60	ug/L		98

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

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\120410\F8941.D Vial: 16
Acq On : 4 Dec 2010 22:04 Operator: PJQ
Sample : T005522-SCV1 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:45 2010 Quant Results File: R10L016.RES

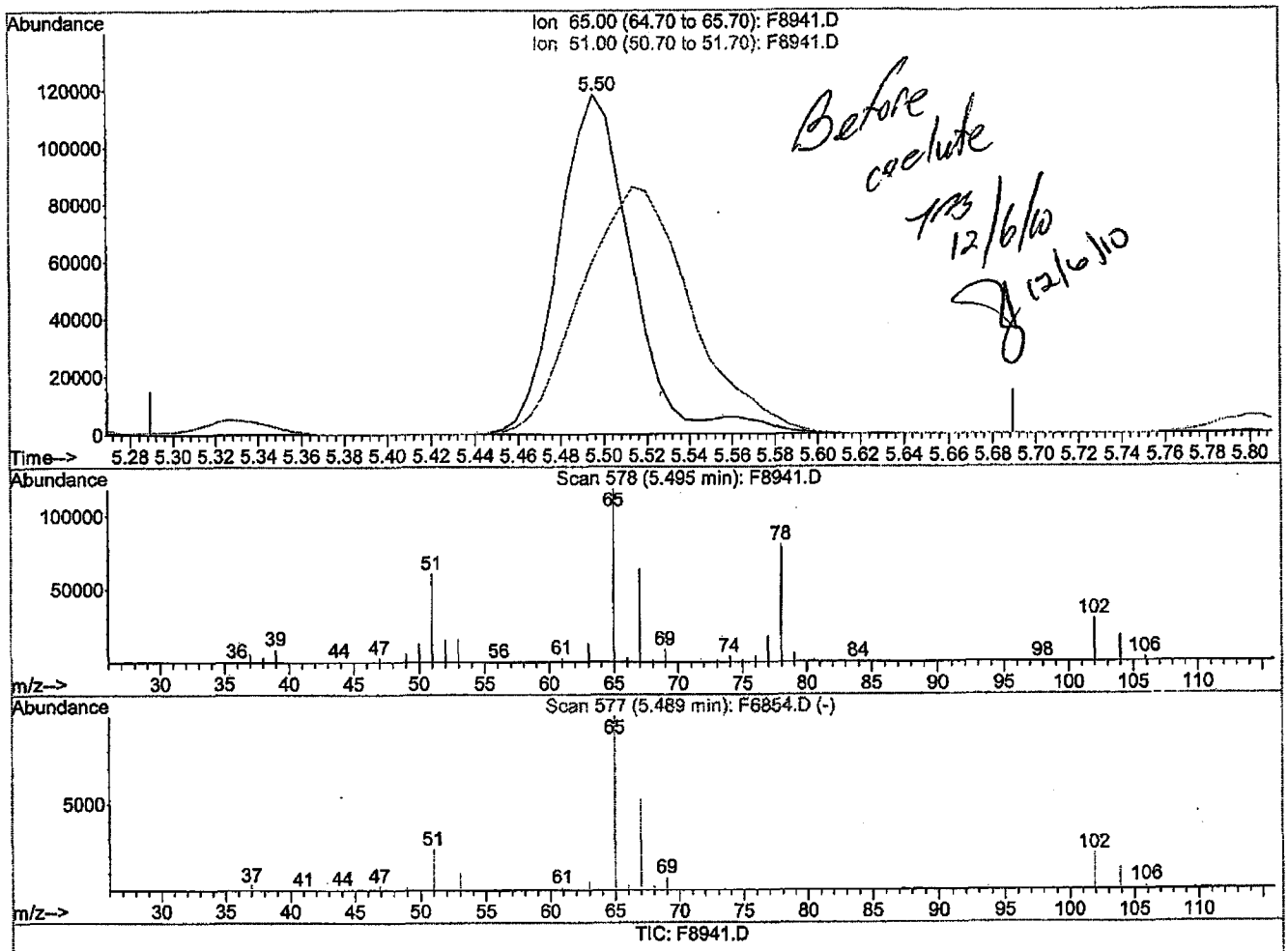
Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:39:20 2010
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120410\F8941.D Vial: 16
Acq On : 4 Dec 2010 22:04 Operator: PJQ
Sample : T005522-SCV1 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:41 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:39:20 2010
Response via : Multiple Level Calibration



TIC: F8941.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 52.03ug/L

response 279857

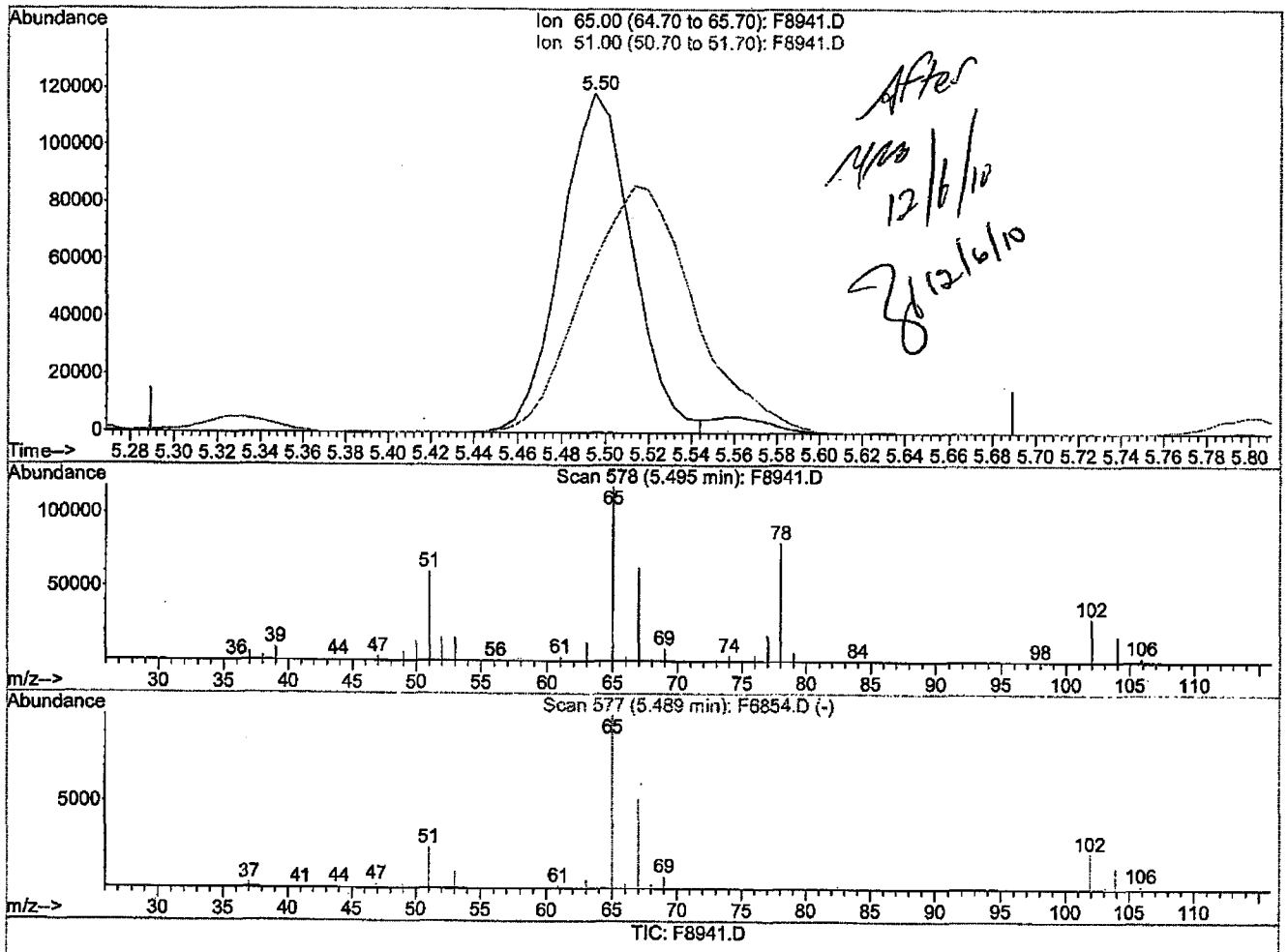
Ion	Exp%	Act%
65.00	100	100
51.00	45.00	50.86
0.00	0.00	0.00
0.00	0.00	0.00

F8941.D R10L016.M Mon Dec 06 12:45:29 2010 HP5973

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120410\F8941.D Vial: 16
Acq On : 4 Dec 2010 22:04 Operator: PJQ
Sample : T005522-SCV1 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:45 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Dec 06 12:39:20 2010
Response via : Multiple Level Calibration



TIC: F8941.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 49.99ug/L m

response 268915

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	50.86
0.00	0.00	0.00
0.00	0.00	0.00

F8941.D R10L016.M Mon Dec 06 12:45:35 2010 HP5973

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5973F	Calibration:	R10L016
Lab File ID:	F8997.D	Calibration Date:	12/04/10 16:58
Sequence:	T005584	Injection Date:	12/08/10
Lab Sample ID:	T005584-CCV1	Injection Time:	10:57

		CONC. (ug/kg)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	50.0	49.2	0.7797934	0.7668198		-1.7	100
1,1,1-Trichloroethane	A	50.0	57.0	0.4563682	0.5202345		14.0	100
1,1,2,2-Tetrachloroethane	A	50.0	48.6	0.6721398	0.6531116	0.3	-2.8	100
1,1,2-Trichloro-1,2,2-trifluorethane	A	50.0	54.8	0.2446636	0.268229		9.6	100
1,1,2-Trichloroethane	A	50.0	48.9	0.4932604	0.4826537		-2.2	100
1,1-Dichloroethane	A	50.0	55.5	0.5481175	0.6086291	0.1	11.0	100
1,1-Dichloroethene	A	50.0	58.3	0.2476227	0.2886799		16.6	20
1,1-Dichloropropene	A	50.0	56.9	0.4144835	0.4713872		13.7	100
1,2,3-Trichlorobenzene	A	50.0	49.2	0.8826015	0.8677095		-1.7	100
1,2,3-Trichloropropane	A	50.0	49.7	0.2243059	0.2228338		-0.7	100
1,2,4-Trichlorobenzene	A	50.0	49.6	0.9833287	0.9755917		-0.8	100
1,2,4-Trimethylbenzene	A	50.0	48.0	2.948924	2.828236		-4.1	100
1,2-Dibromo-3-chloropropane	A	50.0	49.0	0.1106631	0.1083451		-2.1	100
1,2-Dibromoethane (EDB)	A	50.0	50.1	0.656543	0.6577052		0.2	100
1,2-Dichlorobenzene	A	50.0	47.6	1.645537	1.566538		-4.8	100
1,2-Dichloroethane	A	50.0	54.0	0.3938035	0.4253689		8.0	100
1,2-Dichloroethane-d4	A	50.0	55.3	0.3221568	0.3563083		10.6	100
1,2-Dichloroethene, Total	A	100	114	0.3503408	0.3978363		13.6	100
1,2-Dichloropropane	A	50.0	53.4	0.3248092	0.346642		6.7	20
1,3,5-Trimethylbenzene	A	50.0	48.3	2.89542	2.796533		-3.4	100
1,3-Dichlorobenzene	A	50.0	48.1	1.783078	1.716635		-3.7	100
1,3-Dichloropropane	A	50.0	49.2	1.042701	1.025981		-1.6	100
1,4-Dichlorobenzene	A	50.0	47.8	1.785106	1.708369		-4.3	100
2,2-Dichloropropane	A	50.0	57.2	0.3971056	0.4546349		14.5	100
2-Butanone (MEK)	A	250	294	0.1432932	0.1686226		17.7	100
2-Chloroethyl vinyl ether	A	250	272	0.191946	0.2089972		8.9	100
2-Chlorotoluene	A	50.0	47.9	0.9074887	0.869349		-4.2	100
2-Hexanone	A	250	267	0.4859334	0.5196074		6.9	100
4-Bromofluorobenzene	A	50.0	52.3	0.9033769	0.9443665		4.5	100

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5973F	Calibration:	R10L016
Lab File ID:	F8997.D	Calibration Date:	12/04/10 16:58
Sequence:	T005584	Injection Date:	12/08/10
Lab Sample ID:	T005584-CCV1	Injection Time:	10:57

		CONC. (ug/kg)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chlorotoluene	A	50.0	48.0	0.9414989	0.9036609		-4.0	100
4-Isopropyltoluene	A	50.0	49.3	3.197403	3.152103		-1.4	100
4-Methyl-2-pentanone (MIBK)	A	250	262	0.6723657	0.7057809		5.0	100
Acetone	A	250	291	8.250672E-02	9.618779E-02		16.6	100
Acetonitrile	A	2000	2390	3.606936E-02	4.303198E-02		19.3	100
Acrolein	A	1000	1120	2.789674E-02	3.123422E-02		12.0	100
Acrylonitrile	A	250	288	0.1004045	0.1155528		15.1	100
Benzene	A	50.0	55.8	1.300228	1.450934		11.6	100
Bromobenzene	A	50.0	47.5	0.9054667	0.8609469		-4.9	100
Bromochloromethane	A	50.0	55.8	0.1850287	0.2063096		11.5	100
Bromodichloromethane	A	50.0	53.9	0.3903047	0.420528		7.7	100
Bromoform	A	50.0	49.1	0.3849505	0.378155	0.1	-1.8	100
Bromomethane	L0	50.0	59.0	0.1220647	0.1197643		18.1	100
Carbon disulfide	A	50.0	52.0	0.7713784	0.8017039		3.9	100
Carbon Tetrachloride	A	50.0	56.6	0.4090346	0.4631418		13.2	100
Chlorobenzene	A	50.0	50.0	2.262186	2.260869	0.3	-0.06	100
Chlorodibromomethane	A	50.0	49.0	0.7105335	0.6955785		-2.1	100
Chloroethane	A	50.0	55.4	0.1259202	0.1393824		10.7	100
Chloroform	A	50.0	55.5	0.5341696	0.5926134		10.9	20
Chloromethane	A	50.0	55.6	0.3570768	0.3972778	0.1	11.3	100
cis-1,2-Dichloroethene	A	50.0	56.2	0.3719381	0.4179818		12.4	100
cis-1,3-Dichloropropene	A	50.0	53.3	0.4941985	0.5270265		6.6	100
Cyclohexane	A	50.0	51.5	0.5266465	0.5428923		3.1	100
Dibromomethane	A	50.0	54.3	0.1802219	0.195829		8.7	100
Dichlorodifluoromethane	A	50.0	56.7	0.2939014	0.3331005		13.3	100
Ethyl Methacrylate	A	50.0	48.7	0.8571181	0.8353943		-2.5	100
Ethylbenzene	A	50.0	50.8	3.590141	3.646946		1.6	20
Hexachlorobutadiene	A	50.0	50.6	0.472929	0.4788259		1.2	100
Iodomethane	A	50.0	53.7	0.5376146	0.577101		7.3	100

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5973F	Calibration:	R10L016
Lab File ID:	F8997.D	Calibration Date:	12/04/10 16:58
Sequence:	T005584	Injection Date:	12/08/10
Lab Sample ID:	T005584-CCV1	Injection Time:	10:57

		CONC. (ug/kg)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropylbenzene	A	50.0	48.7	3.24935	3.164375		-2.6	100
Methyl Acetate	A	50.0	58.1	0.5771673	0.6704538		16.2	100
Methyl tert-Butyl Ether	A	50.0	53.5	0.8093406	0.8655561		6.9	100
Methylcyclohexane	A	50.0	55.0	0.5415321	0.5953251		9.9	100
Methylene Chloride	L0	50.0	58.5	0.3369285	0.3399363		17.1	100
m-Xylene & p-Xylene	A	100	101	1.510265	1.531746		1.4	100
Naphthalene	A	50.0	48.9	2.439477	2.384175		-2.3	100
n-Butylbenzene	A	50.0	49.8	2.636864	2.624064		-0.5	100
n-Propylbenzene	A	50.0	49.3	3.989118	3.934382		-1.4	100
o-Xylene	A	50.0	49.7	1.453571	1.44564		-0.5	100
sec-Butylbenzene	A	50.0	48.9	3.65588	3.573451		-2.3	100
Styrene	A	50.0	49.2	2.284961	2.247051		-1.7	100
tert-Butylbenzene	A	50.0	48.2	0.6930043	0.6677008		-3.7	100
Tetrachloroethene	A	50.0	52.6	0.8817684	0.9282185		5.3	100
Tetrahydrofuran	A	250	290	9.884556E-02	0.1148137		16.2	100
Toluene	A	50.0	48.9	2.013365	1.968116		-2.2	20
Toluene-d8	A	50.0	53.2	2.843474	3.026603		6.4	100
trans-1,2-Dichloroethene	A	50.0	57.4	0.3287435	0.3776908		14.9	100
trans-1,3-Dichloropropene	A	50.0	48.6	0.9905202	0.9627629		-2.8	100
trans-1,4-Dichloro-2-butene	A	250	247	0.1912314	0.1888478		-1.2	100
Trichloroethene	A	50.0	56.3	0.3349475	0.3772738		12.6	100
Trichlorofluoromethane	A	50.0	61.1	0.3320903	0.4058413		22.2	100
Vinyl acetate	A	250	284	0.4013976	0.4566929		13.8	100
Vinyl chloride	A	50.0	58.3	0.2776978	0.3240153		16.7	20
Xylenes, total	A	150	151	1.491367	1.503044		0.8	100

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:

A: Average RF	L0: Linear forced through Zero	L01: 1/x Weighted Linear forced through Zero
L: Linear through Intercept	L1: 1/x Weighted Linear through Intercept	L02: 1/x2 Weighted Linear forced through Zero
Q: Quadratic	L2: 1/x2 Weighted Linear through Intercept	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F8997.D
Acq On : 8 Dec 2010 10:57
Sample : -CCV1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 11:11:57 2010

Vial: 3
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Dec 07 17:10:48 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120710\F8969.D (7 Dec 2010 12:05)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	707306	50.00	ug/L	0.00 94.12%
42) CI20	Chlorobenzene-D5	8.59	82	344253	50.00	ug/L	0.00 96.08%
62) CI30	1,4-Dichlorobenzene-	10.88	152	390973	50.00	ug/L	0.00 97.81%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	252019m	55.30	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	110.60%		
43) CS05	Toluene-D8	7.13	98	1041917	53.22	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	106.44%		
61) CS10	p-Bromofluorobenzene	9.80	174	325101	52.27	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	104.54%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	2.09	85	235604	56.67	ug/L	98
3) C010	Chloromethane	2.26	50	280997	55.63	ug/L	99
4) C020	Vinyl chloride	2.38	62	229178	58.34	ug/L	99
5) C015	Bromomethane	2.68	94	84710	59.03	ug/L	85
6) C025	Chloroethane	2.76	64	98586	55.35	ug/L	92
7) C275	Trichlorofluorometha	2.96	101	287054	61.10	ug/L	90
8) C291	1,1,2-Trichloro-1,2,	3.38	101	189720	54.82	ug/L	94
9) C045	1,1-Dichloroethene	3.41	96	204185	58.29	ug/L	96
10) C030	Methylene chloride	3.82	84	240439	58.54	ug/L	94
11) C040	Carbon disulfide	3.63	76	567050	51.97	ug/L	96
12) C036	Acrolein	3.35	56	441843	1119.64	ug/L	96
13) C038	Acrylonitrile	4.02	53	408656	287.72	ug/L	98
14) C035	Acetone	3.47	43	340171	291.45	ug/L	97
15) C300	Acetonitrile	3.72	41	1217471	2386.07	ug/L	100
16) C276	Iodomethane	3.58	142	408187	53.67	ug/L	99
17) C255	Methyl Acetate	3.69	43	474216	58.08	ug/L	94
18) C962	T-butyl Methyl Ether	3.97	73	612213	53.47	ug/L	93
19) C057	trans-1,2-Dichloroet	4.00	96	267143	57.44	ug/L	81
20) C050	1,1-Dichloroethane	4.35	63	430487	55.52	ug/L	96
21) C125	Vinyl Acetate	4.33	43	1615108	284.44	ug/L	97
22) C051	2,2-Dichloropropane	4.80	77	321566	57.24	ug/L	88
23) C056	cis-1,2-Dichloroethe	4.81	96	295641	56.19	ug/L	88
24) C272	Tetrahydrofuran	5.05	42	406042	290.39	ug/L	98
25) C222	Bromochloromethane	5.03	128	145924	55.75	ug/L	89
26) C060	Chloroform	5.06	83	419159	55.47	ug/L	99
27) C256	Cyclohexane	5.23	56	383991	51.54	ug/L	91
28) C115	1,1,1-Trichloroethan	5.21	97	367965	57.00	ug/L	95
29) C120	Carbon tetrachloride	5.34	117	327583	56.61	ug/L	93
30) C116	1,1-Dichloropropene	5.32	75	333415	56.86	ug/L	85
32) C165	Benzene	5.52	78	1026254	55.80	ug/L	99
33) C065	1,2-Dichloroethane	5.56	62	300866	54.01	ug/L	93
34) C110	2-Butanone	4.80	43	596339	294.19	ug/L	92

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F8997.D
Acq On : 8 Dec 2010 10:57
Sample : -CCV1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 11:11:57 2010

Vial: 3
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Dec 07 17:10:48 2010
Response via : Initial Calibration
DataAcq Meth : VOA

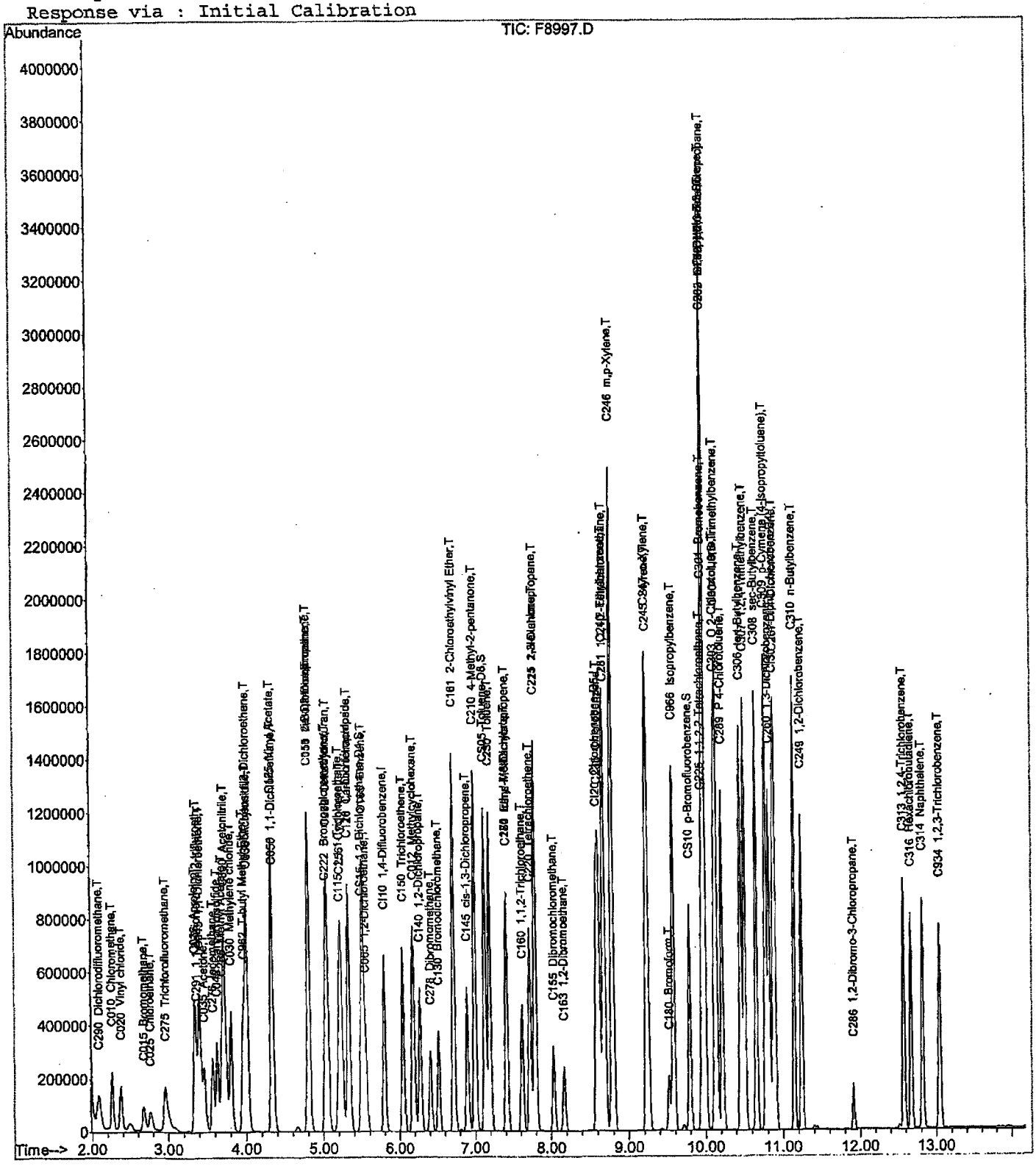
	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	6.05	95	266848	56.32 ug/L	79
36)	C161	2-Chloroethylvinyl E	6.72	63	739125	272.21 ug/L #	78
37)	C012	Methylcyclohexane	6.19	83	421077	54.97 ug/L	84
38)	C140	1,2-Dichloropropane	6.27	63	245182	53.36 ug/L	100
39)	C278	Dibromomethane	6.41	93	138511	54.33 ug/L	96
40)	C130	Bromodichloromethane	6.52	83	297442	53.87 ug/L	99
41)	C145	cis-1,3-Dichloroprop	6.90	75	372769	53.32 ug/L	90
44)	C230	Toluene	7.20	92	677530	48.88 ug/L	93
45)	C170	trans-1,3-Dichloropr	7.42	75	331434	48.60 ug/L	91
46)	C284	Ethyl Methacrylate	7.41	69	287587	48.73 ug/L #	69
47)	C160	1,1,2-Trichloroethan	7.62	83	166155	48.92 ug/L	94
48)	C210	4-Methyl-2-pentanone	7.00	43	1214836	262.42 ug/L	97
49)	C220	Tetrachloroethene	7.73	166	319542	52.63 ug/L	91
50)	C221	1,3-Dichloropropane	7.79	76	353197	49.20 ug/L	99
51)	C155	Dibromochloromethane	8.04	129	239455	48.95 ug/L	81
52)	C163	1,2-Dibromoethane	8.17	107	226417	50.09 ug/L	90
53)	C215	2-Hexanone	7.80	43	894382	267.32 ug/L	95
54)	C235	Chlorobenzene	8.62	112	778311	49.97 ug/L	89
55)	C281	1,1,1,2-Tetrachloroe	8.70	131	263980	49.17 ug/L	99
56)	C240	Ethylbenzene	8.68	91	1255472	50.79 ug/L	92
57)	C246	m,p-Xylene	8.80	106	1054616	101.42 ug/L	93
58)	C247	o-Xylene	9.24	106	497666	49.73 ug/L #	74
59)	C245	Styrene	9.25	104	773554	49.17 ug/L	93
60)	C180	Bromoform	9.53	173	130181	49.12 ug/L	86
63)	C966	Isopropylbenzene	9.58	105	1237185	48.69 ug/L	92
64)	C301	Bromobenzene	9.97	156	336607	47.54 ug/L	87
65)	C225	1,1,2,2-Tetrachloroe	9.95	83	255349	48.58 ug/L	93
66)	C282	1,2,3-Trichloropropa	10.00	110	87122	49.67 ug/L	100
67)	C283	t-1,4-Dichloro-2-But	9.99	53	369172	246.88 ug/L #	64
68)	C302	n-Propylbenzene	9.99	91	1538237	49.31 ug/L	100
69)	C303	O 2-Chlorotoluene	10.12	126	339892	47.90 ug/L	100
70)	C289	P 4-Chlorotoluene	10.22	126	353307	47.99 ug/L	100
71)	C304	1,3,5-Trimethylbenze	10.15	105	1093369	48.29 ug/L	86
72)	C306	tert-Butylbenzene	10.47	134	261053	48.17 ug/L	91
73)	C307	1,2,4-Trimethylbenze	10.51	105	1105764	47.95 ug/L	95
74)	C308	sec-Butylbenzene	10.66	105	1397123	48.87 ug/L	97
75)	C260	1,3-Dichlorobenzene	10.82	146	671158	48.14 ug/L	95
76)	C309	p-Cymene (4-Isopropy	10.78	119	1232387	49.29 ug/L	93
77)	C267	1,4-Dichlorobenzene	10.90	146	667926	47.85 ug/L	96
78)	C249	1,2-Dichlorobenzene	11.24	146	612474	47.60 ug/L	94
79)	C310	n-Butylbenzene	11.15	91	1025938	49.76 ug/L	88
80)	C286	1,2-Dibromo-3-Chloro	11.91	75	42360	48.95 ug/L	87
81)	C313	1,2,4-Trichlorobenze	12.58	180	381430	49.61 ug/L	96
82)	C316	Hexachlorobutadiene	12.67	225	187208	50.62 ug/L	93
83)	C314	Naphthalene	12.82	128	932148	48.87 ug/L	95
84)	C934	1,2,3-Trichlorobenze	13.04	180	339251	49.16 ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\120810\F8997.D Vial: 3
Acq On : 8 Dec 2010 10:57 Operator: PJQ
Sample : -CCV1 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 11:12 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Dec 07 17:10:48 2010
Response via : Initial Calibration

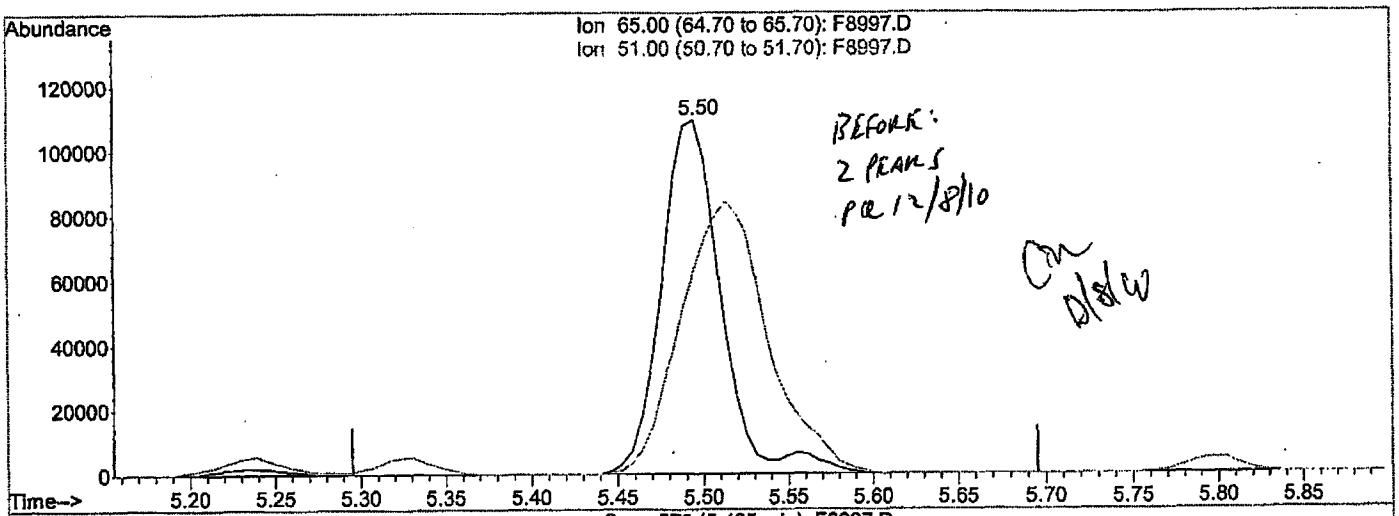


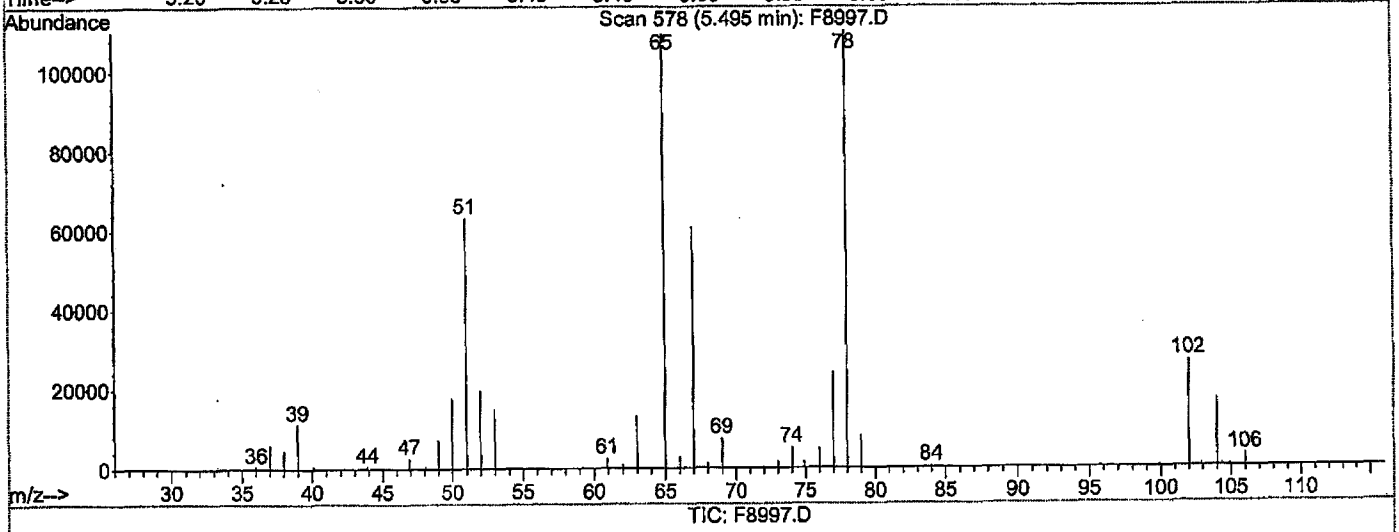
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120810\F8997.D
Acq On : 8 Dec 2010 10:57
Sample : -CCV1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 11:08 2010

Vial: 3
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Dec 07 17:10:48 2010
Response via : Multiple Level Calibration





TIC: F8997.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 57.90ug/L

response 263856

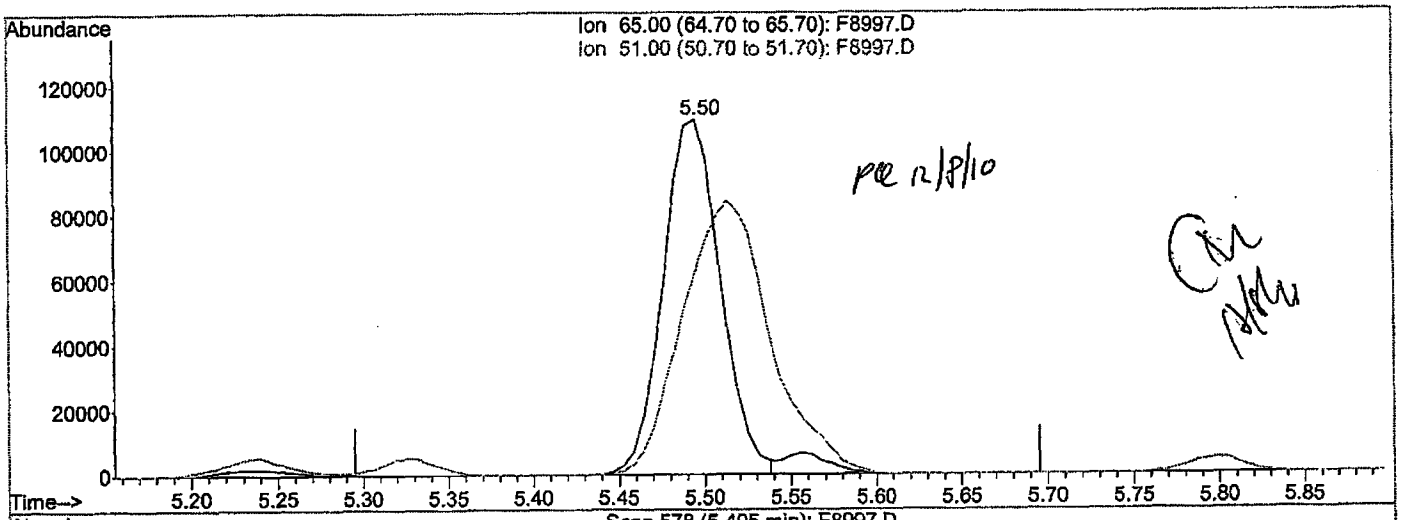
Ion	Exp%	Act%
65.00	100	100
51.00	45.00	57.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120810\F8997.D
Acq On : 8 Dec 2010 10:57
Sample : -CCV1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 11:12 2010

Vial: 3
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Dec 07 17:10:48 2010
Response via : Multiple Level Calibration



(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 55.30ug/L m

response 252019

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	57.69
0.00	0.00	0.00
0.00	0.00	0.00

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5973F	Calibration:	R10L016
Lab File ID:	F9022.D	Calibration Date:	12/04/10 16:58
Sequence:	T005595	Injection Date:	12/08/10
Lab Sample ID:	T005595-CCV1	Injection Time:	21:52

		CONC. (ug/kg)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	50.0	46.2	0.7797934	0.7201157		-7.7	100
1,1,1-Trichloroethane	A	50.0	54.5	0.4563682	0.4971349		8.9	100
1,1,2,2-Tetrachloroethane	A	50.0	43.1	0.6721398	0.5794522	0.3	-13.8	100
1,1,2-Trichloro-1,2,2-trifluorethane	A	50.0	53.3	0.2446636	0.2606839		6.5	100
1,1,2-Trichloroethane	A	50.0	46.1	0.4932604	0.4550552		-7.7	100
1,1-Dichloroethane	A	50.0	53.5	0.5481175	0.5862822	0.1	7.0	100
1,1-Dichloroethene	A	50.0	56.8	0.2476227	0.281305		13.6	20
1,1-Dichloropropene	A	50.0	54.9	0.4144835	0.4551685		9.8	100
1,2,3-Trichlorobenzene	A	50.0	45.4	0.8826015	0.8021242		-9.1	100
1,2,3-Trichloropropane	A	50.0	44.1	0.2243059	0.1976485		-11.9	100
1,2,4-Trichlorobenzene	A	50.0	45.5	0.9833287	0.8944237		-9.0	100
1,2,4-Trimethylbenzene	A	50.0	43.8	2.948924	2.584139		-12.4	100
1,2-Dibromo-3-chloropropane	A	50.0	40.1	0.1106631	0.0886688		-19.9	100
1,2-Dibromoethane (EDB)	A	50.0	46.6	0.656543	0.6114962		-6.9	100
1,2-Dichlorobenzene	A	50.0	43.8	1.645537	1.44174		-12.4	100
1,2-Dichloroethane	A	50.0	51.1	0.3938035	0.4021377		2.1	100
1,2-Dichloroethane-d4	A	50.0	52.0	0.3221568	0.3348618		3.9	100
1,2-Dichloroethene, Total	A	100	110	0.3503408	0.3863542		10.3	100
1,2-Dichloropropane	A	50.0	52.2	0.3248092	0.3388814		4.3	20
1,3,5-Trimethylbenzene	A	50.0	44.2	2.89542	2.561358		-11.5	100
1,3-Dichlorobenzene	A	50.0	44.9	1.783078	1.600559		-10.2	100
1,3-Dichloropropane	A	50.0	46.1	1.042701	0.9614828		-7.8	100
1,4-Dichlorobenzene	A	50.0	44.3	1.785106	1.582947		-11.3	100
2,2-Dichloropropane	A	50.0	54.2	0.3971056	0.4308455		8.5	100
2-Butanone (MEK)	A	250	268	0.1432932	0.1534944		7.1	100
2-Chloroethyl vinyl ether	A	250	258	0.191946	0.1978754		3.1	100
2-Chlorotoluene	A	50.0	44.2	0.9074887	0.8016127		-11.7	100
2-Hexanone	A	250	239	0.4859334	0.465061		-4.3	100
4-Bromofluorobenzene	A	50.0	49.5	0.9033769	0.8946561		-1.0	100

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5973F	Calibration:	R10L016
Lab File ID:	F9022.D	Calibration Date:	12/04/10 16:58
Sequence:	T005595	Injection Date:	12/08/10
Lab Sample ID:	T005595-CCV1	Injection Time:	21:52

		CONC. (ug/kg)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chlorotoluene	A	50.0	44.1	0.9414989	0.8300965		-11.8	100
4-Isopropyltoluene	A	50.0	45.3	3.197403	2.897394		-9.4	100
4-Methyl-2-pentanone (MIBK)	A	250	238	0.6723657	0.6388975		-5.0	100
Acetone	A	250	261	8.250672E-02	8.606054E-02		4.3	100
Acetonitrile	A	2000	2180	3.606936E-02	3.933141E-02		9.0	100
Acrolein	A	1000	1020	2.789674E-02	2.840582E-02		1.8	100
Acrylonitrile	A	250	264	0.1004045	0.1061726		5.7	100
Benzene	A	50.0	54.2	1.300228	1.408062		8.3	100
Bromobenzene	A	50.0	43.7	0.9054667	0.7906376		-12.7	100
Bromochloromethane	A	50.0	53.3	0.1850287	0.1973349		6.7	100
Bromodichloromethane	A	50.0	50.8	0.3903047	0.3964602		1.6	100
Bromoform	A	50.0	43.5	0.3849505	0.3347846	0.1	-13.0	100
Bromomethane	L0	50.0	50.0	0.1220647	0.1013666		-0.08	100
Carbon disulfide	A	50.0	49.0	0.7713784	0.755146		-2.1	100
Carbon Tetrachloride	A	50.0	54.1	0.4090346	0.4426057		8.2	100
Chlorobenzene	A	50.0	47.7	2.262186	2.156323	0.3	-4.7	100
Chlorodibromomethane	A	50.0	44.6	0.7105335	0.6345309		-10.7	100
Chloroethane	A	50.0	49.4	0.1259202	0.124496		-1.1	100
Chloroform	A	50.0	53.2	0.5341696	0.568402		6.4	20
Chloromethane	A	50.0	48.5	0.3570768	0.3463094	0.1	-3.0	100
cis-1,2-Dichloroethene	A	50.0	54.2	0.3719381	0.40315		8.4	100
cis-1,3-Dichloropropene	A	50.0	51.2	0.4941985	0.5059148		2.4	100
Cyclohexane	A	50.0	50.5	0.5266465	0.5316706		1.0	100
Dibromomethane	A	50.0	52.0	0.1802219	0.1876134		4.1	100
Dichlorodifluoromethane	A	50.0	49.4	0.2939014	0.2904721		-1.2	100
Ethyl Methacrylate	A	50.0	45.4	0.8571181	0.7775016		-9.3	100
Ethylbenzene	A	50.0	48.2	3.590141	3.464843		-3.5	20
Hexachlorobutadiene	A	50.0	47.4	0.472929	0.4486272		-5.1	100
Iodomethane	A	50.0	52.6	0.5376146	0.5655851		5.2	100

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5973F	Calibration:	R10L016
Lab File ID:	F9022.D	Calibration Date:	12/04/10 16:58
Sequence:	T005595	Injection Date:	12/08/10
Lab Sample ID:	T005595-CCV1	Injection Time:	21:52

		CONC. (ug/kg)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropylbenzene	A	50.0	44.5	3.24935	2.89276		-11.0	100
Methyl Acetate	A	50.0	52.3	0.5771673	0.6040761		4.7	100
Methyl tert-Butyl Ether	A	50.0	51.4	0.8093406	0.8322012		2.8	100
Methylcyclohexane	A	50.0	53.5	0.5415321	0.5796464		7.0	100
Methylene Chloride	L0	50.0	56.6	0.3369285	0.3287058		13.2	100
m-Xylene & p-Xylene	A	100	96.4	1.510265	1.456356		-3.6	100
Naphthalene	A	50.0	43.8	2.439477	2.137824		-12.4	100
n-Butylbenzene	A	50.0	45.7	2.636864	2.409074		-8.6	100
n-Propylbenzene	A	50.0	44.9	3.989118	3.581334		-10.2	100
o-Xylene	A	50.0	47.6	1.453571	1.384889		-4.7	100
sec-Butylbenzene	A	50.0	45.1	3.65588	3.300276		-9.7	100
Styrene	A	50.0	47.0	2.284961	2.146138		-6.1	100
tert-Butylbenzene	A	50.0	44.8	0.6930043	0.6214029		-10.3	100
Tetrachloroethene	A	50.0	50.6	0.8817684	0.8917331		1.1	100
Tetrahydrofuran	A	250	269	9.884556E-02	0.1062768		7.5	100
Toluene	A	50.0	46.6	2.013365	1.875309		-6.9	20
Toluene-d8	A	50.0	50.0	2.843474	2.841717		-0.06	100
trans-1,2-Dichloroethene	A	50.0	56.2	0.3287435	0.3695584		12.4	100
trans-1,3-Dichloropropene	A	50.0	44.6	0.9905202	0.8839185		-10.8	100
trans-1,4-Dichloro-2-butene	A	250	213	0.1912314	0.1626352		-15.0	100
Trichloroethene	A	50.0	54.9	0.3349475	0.367557		9.7	100
Trichlorofluoromethane	A	50.0	54.9	0.3320903	0.3648391		9.9	100
Vinyl acetate	A	250	265	0.4013976	0.4260789		6.1	100
Vinyl chloride	A	50.0	50.9	0.2776978	0.2825334		1.7	20
Xylenes, total	A	150	144	1.491367	1.432533		-3.9	100

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:

A: Average RF
L: Linear through Intercept
Q: Quadratic
L0: Linear forced through Zero
L1: 1/x Weighted Linear through Intercept
L2: 1/x2 Weighted Linear through Intercept
L01: 1/x Weighted Linear forced through Zero
L02: 1/x2 Weighted Linear forced through Zero

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9022.D Vial: 2
Acq On : 8 Dec 2010 21:52 Operator: CDC
Sample : T005595-CCV1 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 22:17:05 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	777455	50.00	ug/L	0.00 109.92%
42) CI20	Chlorobenzene-D5	8.59	82	388632	50.00	ug/L	0.00 112.89%
62) CI30	1,4-Dichlorobenzene-	10.88	152	457489	50.00	ug/L	0.00 117.01%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	260340m	51.97	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	103.94%		
43) CS05	Toluene-D8	7.13	98	1104382	49.97	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	99.94%		
61) CS10	p-Bromofluorobenzene	9.80	174	347692	49.52	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	99.04%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	2.10	85	225829	49.42	ug/L	98
3) C010	Chloromethane	2.26	50	269240	48.49	ug/L	98
4) C020	Vinyl chloride	2.39	62	219657	50.87	ug/L	100
5) C015	Bromomethane	2.68	94	78808	49.96	ug/L	81
6) C025	Chloroethane	2.77	64	96790	49.43	ug/L	99
7) C275	Trichlorofluorometha	2.96	101	283646	54.93	ug/L	89
8) C291	1,1,2-Trichloro-1,2,	3.38	101	202670	53.27	ug/L	95
9) C045	1,1-Dichloroethene	3.41	96	218702	56.80	ug/L	96
10) C030	Methylene chloride	3.82	84	255554	56.60	ug/L	95
11) C040	Carbon disulfide	3.64	76	587092	48.95	ug/L	96
12) C036	Acrolein	3.35	56	441685	1018.25	ug/L	96
13) C038	Acrylonitrile	4.02	53	412722	264.36	ug/L	99
14) C035	Acetone	3.47	43	334541	260.77	ug/L	98
15) C300	Acetonitrile	3.73	41	1223136	2180.88	ug/L	100
16) C276	Iodomethane	3.58	142	439717	52.60	ug/L	100
17) C255	Methyl Acetate	3.69	43	469642	52.33	ug/L	95
18) C962	T-butyl Methyl Ether	3.97	73	646999	51.41	ug/L	93
19) C057	trans-1,2-Dichloroet	4.01	96	287315	56.21	ug/L #	77
20) C050	1,1-Dichloroethane	4.35	63	455808	53.48	ug/L	98
21) C125	Vinyl Acetate	4.33	43	1656286	265.37	ug/L	96
22) C051	2,2-Dichloropropane	4.80	77	334963	54.25	ug/L	89
23) C056	cis-1,2-Dichloroethe	4.81	96	313431	54.20	ug/L	88
24) C272	Tetrahydrofuran	5.05	42	413127	268.80	ug/L	98
25) C222	Bromochloromethane	5.03	128	153419	53.33	ug/L	87
26) C060	Chloroform	5.06	83	441907	53.20	ug/L	100
27) C256	Cyclohexane	5.24	56	413350	50.48	ug/L	90
28) C115	1,1,1-Trichloroethan	5.21	97	386500	54.47	ug/L	96
29) C120	Carbon tetrachloride	5.34	117	344106	54.10	ug/L	93
30) C116	1,1-Dichloropropene	5.33	75	353873	54.91	ug/L	82
32) C165	Benzene	5.52	78	1094705	54.15	ug/L	100
33) C065	1,2-Dichloroethane	5.56	62	312644	51.06	ug/L	93
34) C110	2-Butanone	4.81	43	596675	267.80	ug/L	92

(#) = qualifier out of range (m) = manual integration
F9022.D R10L016.M Wed Dec 08 22:17:38 2010 HP5973

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9022.D
Acq On : 8 Dec 2010 21:52
Sample : T005595-CCV1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 22:17:05 2010

Vial: 2
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

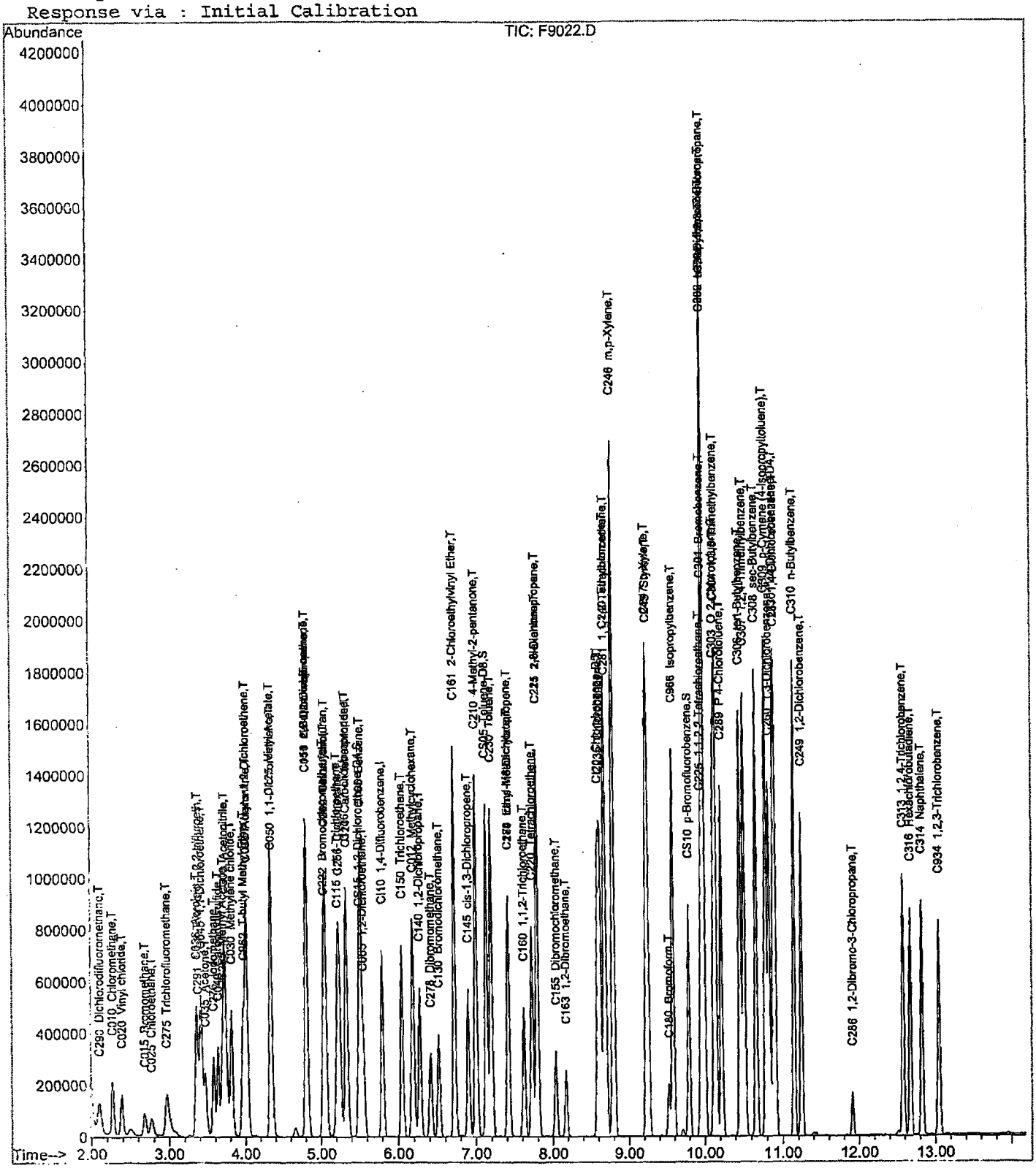
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
35)	C150	Trichloroethene	6.05	95	285759	54.87	ug/L		78
36)	C161	2-Chloroethylvinyl E	6.72	63	769196	257.72	ug/L	#	77
37)	C012	Methylcyclohexane	6.19	83	450649	53.52	ug/L		82
38)	C140	1,2-Dichloropropane	6.27	63	263465	52.17	ug/L		100
39)	C278	Dibromomethane	6.41	93	145861	52.05	ug/L		96
40)	C130	Bromodichloromethane	6.52	83	308230	50.79	ug/L		98
41)	C145	cis-1,3-Dichloroprop	6.90	75	393326	51.19	ug/L		87
44)	C230	Toluene	7.20	92	728805	46.57	ug/L		95
45)	C170	trans-1,3-Dichloropr	7.42	75	343519	44.62	ug/L		88
46)	C284	Ethyl Methacrylate	7.41	69	302162	45.36	ug/L	#	70
47)	C160	1,1,2-Trichloroethan	7.62	83	176849	46.13	ug/L		95
48)	C210	4-Methyl-2-pentanone	7.00	43	1241480	237.56	ug/L		96
49)	C220	Tetrachloroethene	7.73	166	346556	50.57	ug/L		89
50)	C221	1,3-Dichloropropane	7.79	76	373663	46.11	ug/L		97
51)	C155	Dibromochloromethane	8.04	129	246599	44.65	ug/L		85
52)	C163	1,2-Dibromoethane	8.17	107	237647	46.57	ug/L		93
53)	C215	2-Hexanone	7.80	43	903688	239.26	ug/L		95
54)	C235	Chlorobenzene	8.62	112	838016	47.66	ug/L		89
55)	C281	1,1,1,2-Tetrachloroe	8.70	131	279860	46.17	ug/L		98
56)	C240	Ethylbenzene	8.68	91	1346549	48.25	ug/L		92
57)	C246	m,p-Xylene	8.80	106	1131973	96.43	ug/L		91
58)	C247	o-Xylene	9.23	106	538212	47.64	ug/L	#	73
59)	C245	Styrene	9.25	104	834058	46.96	ug/L		92
60)	C180	Bromoform	9.53	173	130108	43.48	ug/L		84
63)	C966	Isopropylbenzene	9.58	105	1323406	44.51	ug/L		92
64)	C301	Bromobenzene	9.97	156	361708	43.66	ug/L		84
65)	C225	1,1,2,2-Tetrachloroe	9.95	83	265093	43.11	ug/L		93
66)	C282	1,2,3-Trichloropropa	10.00	110	90422	44.06	ug/L		100
67)	C283	t-1,4-Dichloro-2-But	9.99	53	372019	212.62	ug/L	#	64
68)	C302	n-Propylbenzene	9.99	91	1638421	44.89	ug/L		98
69)	C303	O 2-Chlorotoluene	10.12	126	366729	44.17	ug/L		100
70)	C289	P 4-Chlorotoluene	10.22	126	379760	44.08	ug/L		100
71)	C304	1,3,5-Trimethylbenze	10.15	105	1171793	44.23	ug/L		86
72)	C306	tert-Butylbenzene	10.47	134	284285	44.83	ug/L	#	91
73)	C307	1,2,4-Trimethylbenze	10.51	105	1182215	43.81	ug/L		96
74)	C308	sec-Butylbenzene	10.66	105	1509840	45.14	ug/L		98
75)	C260	1,3-Dichlorobenzene	10.82	146	732238	44.88	ug/L		94
76)	C309	p-Cymene (4-Isopropy	10.78	119	1325526	45.31	ug/L		92
77)	C267	1,4-Dichlorobenzene	10.90	146	724181	44.34	ug/L		94
78)	C249	1,2-Dichlorobenzene	11.24	146	659580	43.81	ug/L		96
79)	C310	n-Butylbenzene	11.15	91	1102125	45.68	ug/L		87
80)	C286	1,2-Dibromo-3-Chloro	11.91	75	40565	40.06	ug/L		85
81)	C313	1,2,4-Trichlorobenze	12.58	180	409189	45.48	ug/L		100
82)	C316	Hexachlorobutadiene	12.67	225	205242	47.43	ug/L		92
83)	C314	Naphthalene	12.82	128	978031	43.82	ug/L		94
84)	C934	1,2,3-Trichlorobenze	13.05	180	366963	45.44	ug/L		99

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

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9022.D Vial: 2
Acq On : 8 Dec 2010 21:52 Operator: CDC
Sample : T005595-CCV1 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 22:17 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration



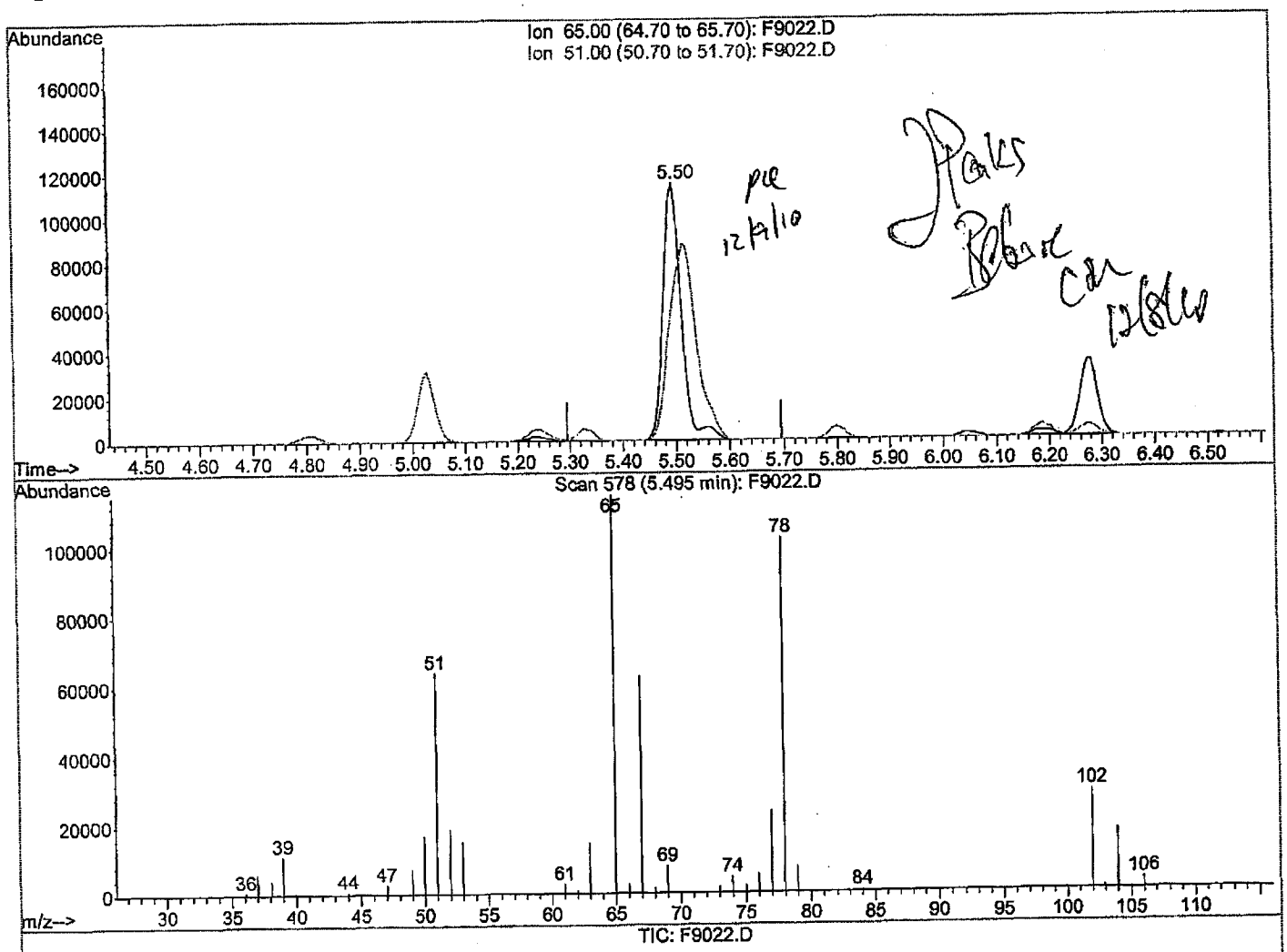
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120810\F9022.D
Acq On : 8 Dec 2010 21:52
Sample : T005595-CCV1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 22:13 2010

Vial: 2
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Multiple Level Calibration



(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 54.40ug/L

response 272489

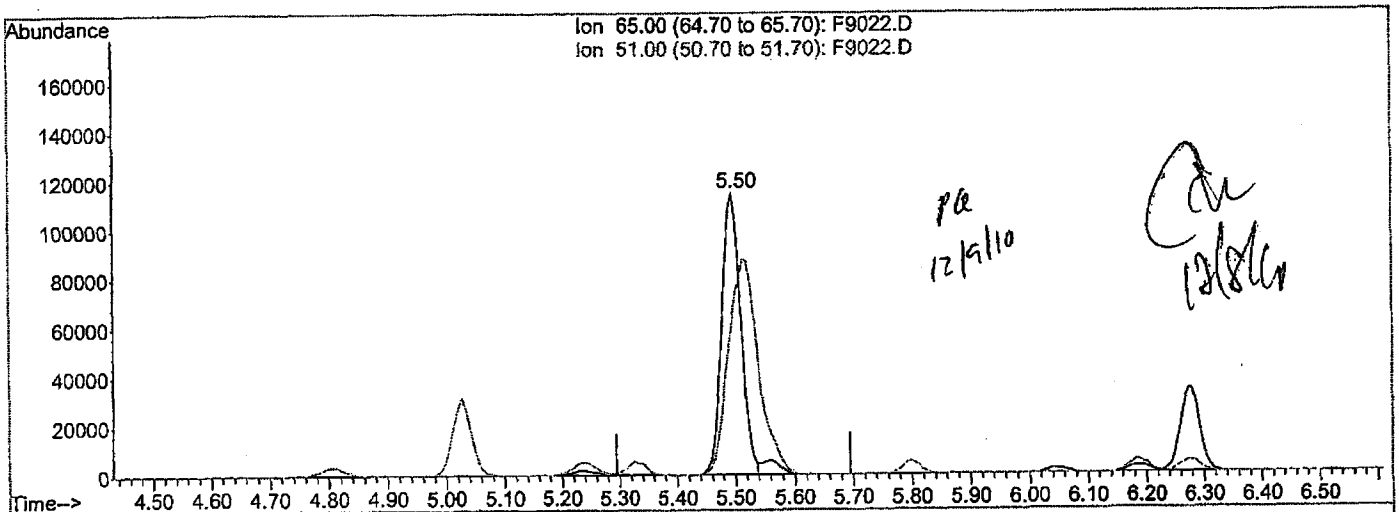
Ion	Exp%	Act%
65.00	100	100
51.00	45.00	55.40
0.00	0.00	0.00
0.00	0.00	0.00

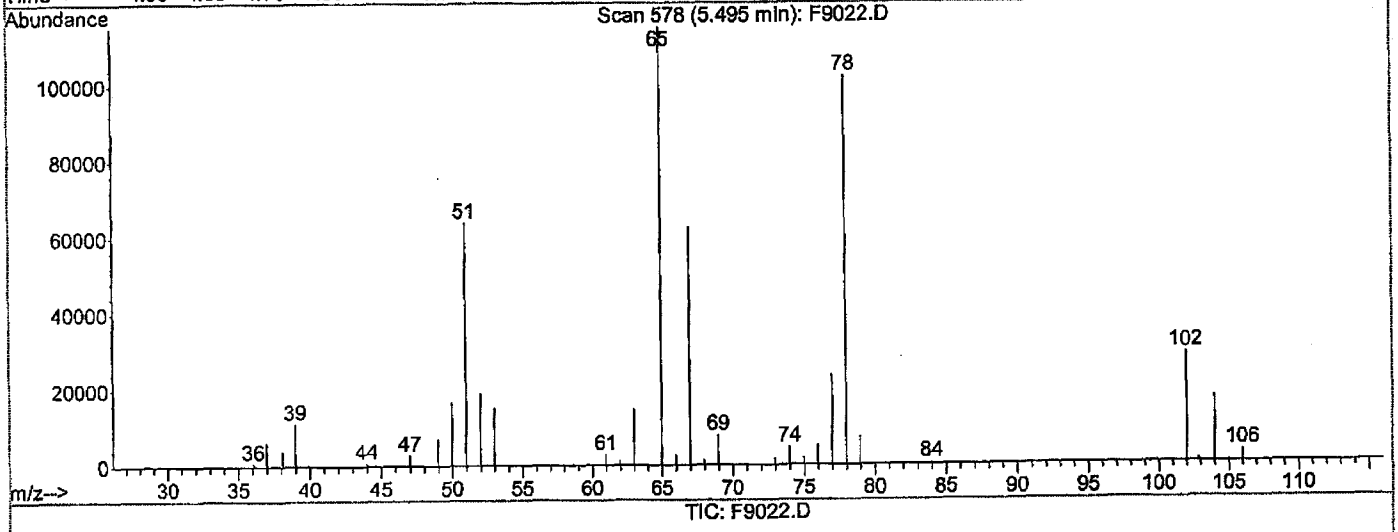
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120810\F9022.D
Acq On : 8 Dec 2010 21:52
Sample : T005595-CCV1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 22:17 2010

Vial: 2
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Multiple Level Calibration





(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 51.97ug/L m

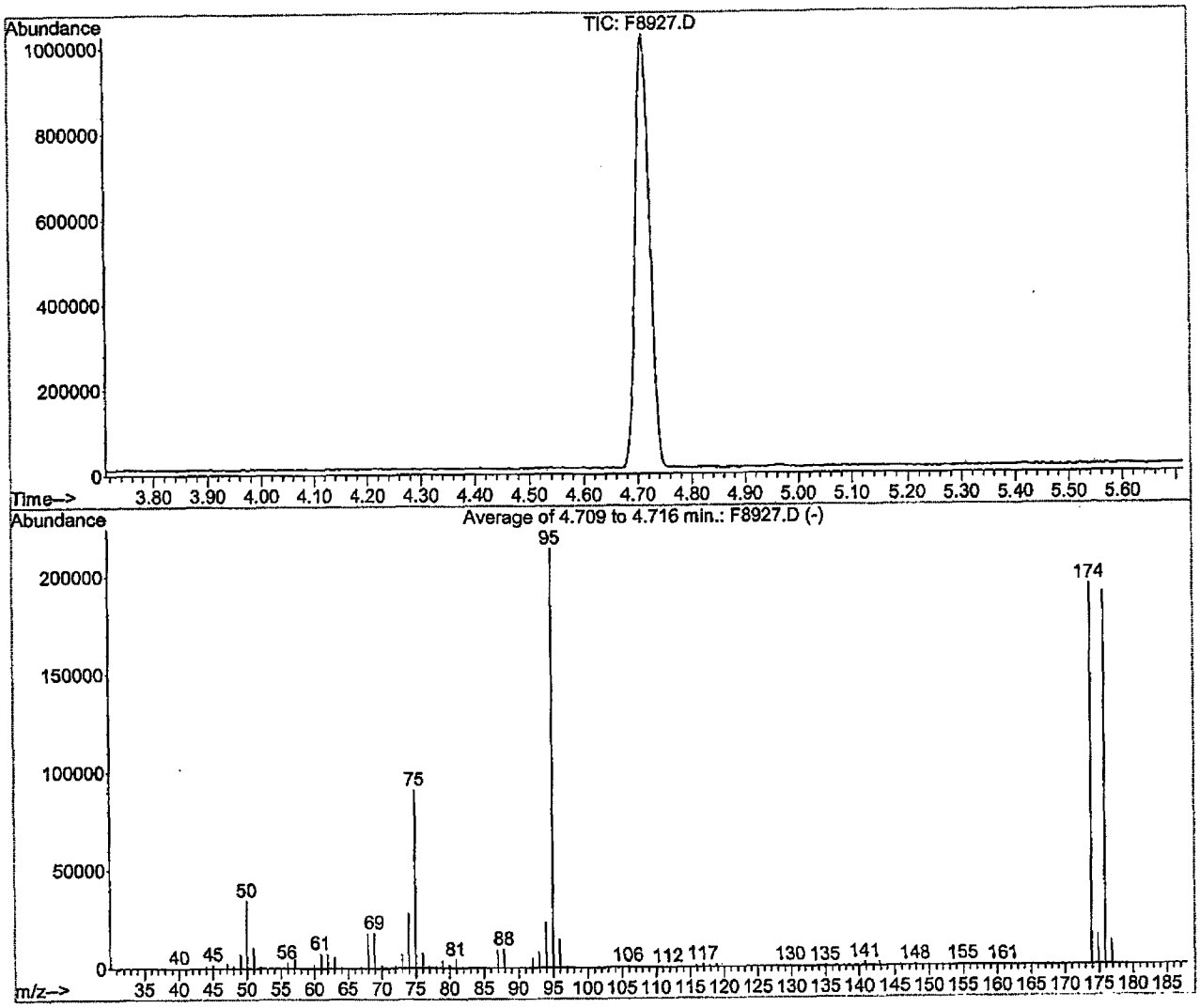
response 260340

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	55.40
0.00	0.00	0.00
0.00	0.00	0.00

BFB Tune Evaluation

Data File : H:\GCMS_VOA\F\120410\F8927.D
Acq On : 4 Dec 2010 16:08
Sample : T005522-TUN1
Misc :
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON

Vial: 2
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00



Peak Apex is scan: 804 (4.71 min)
Average of 3 scans: 803,804,805 minus background scan 784 (4.64 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	34422	PASS
75	95	30	60	42.4	90554	PASS
95	95	100	100	100.0	213546	PASS
96	95	5	9	6.8	14437	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	90.9	194133	PASS
175	174	5	9	7.5	14604	PASS
176	174	95	101	97.9	190058	PASS
177	176	5	9	6.4	12188	PASS

F8927.D R10L016.M Sat Dec 04 16:21:07 2010 HP5973

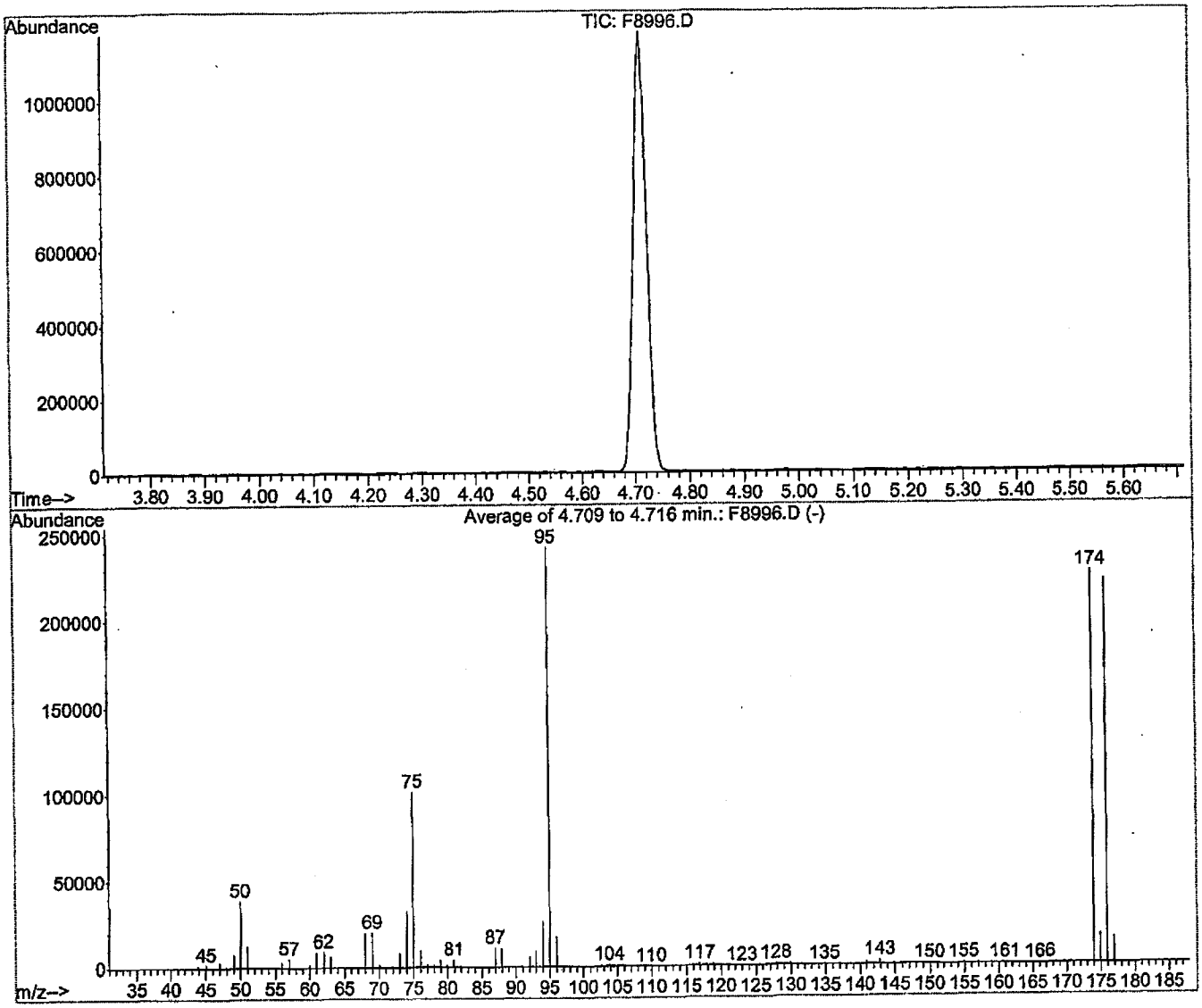
Average of 4.709 to 4.716 min.: F8927.D
T005522-TUN1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
44.00	1075	62.00	7355	80.90	4118	142.90	1942
45.05	1759	63.05	5410	87.00	9075	173.90	194133
47.05	2619	68.00	17381	87.95	9425	174.90	14604
48.00	1156	68.95	17770	92.00	4979	175.90	190058
49.05	7020	70.00	1388	92.95	7737	176.85	12188
50.00	34422	73.00	7052	94.00	22982		
51.00	10341	74.00	27901	95.00	213546		
55.95	2797	75.00	90554	96.00	14437		
57.05	4469	76.00	7791	116.90	1267		
60.00	1780	78.90	3238	118.85	1154		
61.00	7462	79.95	1124	140.85	1976		

BFB Tune Evaluation

Data File : H:\GCMS_VOA\F\120810\F8996.D
Acq On : 8 Dec 2010 10:32
Sample : -TUN1
Misc :
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON

Vial: 2
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00



Peak Apex is scan: 804 (4.71 min)
Average of 3 scans: 803,804,805 minus background scan 784 (4.64 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	38829	PASS
75	95	30	60	41.9	101360	PASS
95	95	100	100	100.0	242176	PASS
96	95	5	9	7.2	17374	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	93.6	226560	PASS
175	174	5	9	7.4	16842	PASS
176	174	95	101	97.8	221632	PASS
177	176	5	9	6.6	14654	PASS

F8996.D R10L016.M Wed Dec 08 10:41:25 2010 HP5973

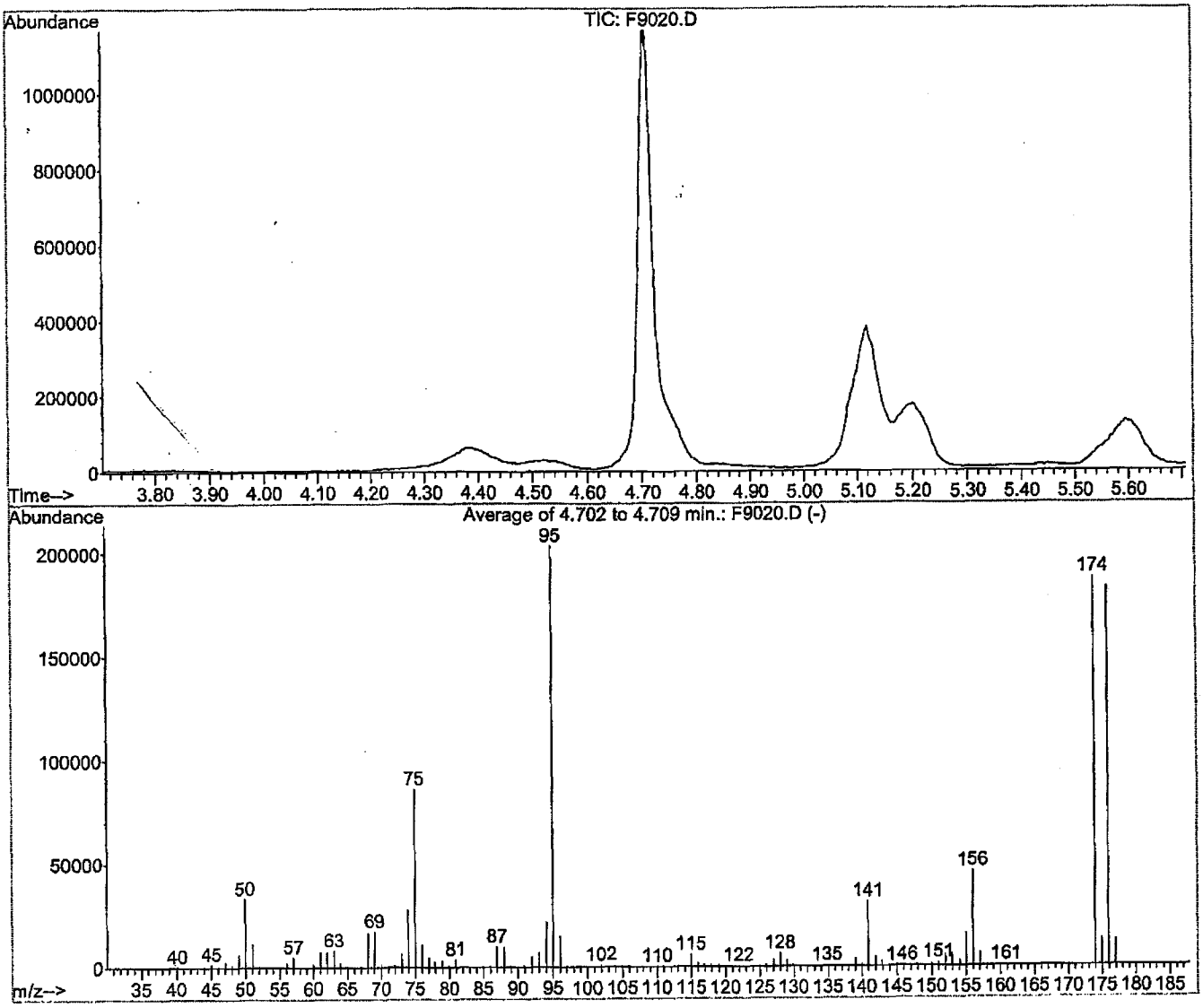
Average of 4.709 to 4.716 min.: F8996.D
-TUN1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
45.05	1782	68.00	19984	86.95	11221	174.90	16842
47.00	2843	69.00	20205	87.90	10741	175.90	221632
49.00	7825	70.05	1590	92.00	5620	176.90	14654
50.00	38829	73.00	8040	93.00	8966		
50.95	12241	74.00	32642	94.00	26088		
56.00	2992	75.00	101360	95.00	242176		
57.05	5227	76.00	9568	96.00	17374		
60.00	1518	77.05	1255	116.90	1354		
61.00	8547	78.90	4332	140.90	1877		
62.00	9084	79.90	1364	142.90	2319		
63.00	6328	80.90	4331	173.90	226560		

BFB Tune Evaluation

Data File : H:\GCMS_VOA\F\120810\F9020.D
Acq On : 8 Dec 2010 20:49
Sample : T005595-TUN1
Misc :
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00



Peak Apex is scan: 802 (4.71 min)
Average of 3 scans: 801,802,803 minus background scan 782 (4.64 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	33146	PASS
75	95	30	60	42.3	86146	PASS
95	95	100	100	100.0	203422	PASS
96	95	5	9	7.2	14686	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	92.3	187710	PASS
175	174	5	9	7.0	13120	PASS
176	174	95	101	97.7	183424	PASS
177	176	5	9	6.6	12098	PASS

F9020.D R10L016.M Wed Dec 08 20:57:18 2010 HP5973

Average of 4.702 to 4.709 min.: F9020.D
T005595-TUN1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
45.05	1447	63.95	2231	79.95	1063	116.90	1146
47.10	2781	68.00	16454	80.90	3630	127.00	3059
49.05	6595	69.00	17439	86.95	9985	128.00	6238
50.00	33146	70.05	1581	87.95	9605	129.00	2565
51.05	11345	73.00	6784	92.00	4931	139.05	3302
56.05	2389	74.00	27925	92.95	6908	141.00	31212
57.00	4890	75.00	86146	94.00	21832	142.00	4322
59.95	1513	76.00	10888	95.00	203422	142.90	2265
61.00	7688	77.00	4836	96.00	14686	151.00	1437
62.00	7332	77.90	2461	114.95	5743	151.95	5379
63.00	8014	78.90	3388	115.95	1531	152.95	5777

Average of 4.702 to 4.709 min.: F9020.D
T005595-TUN1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
154.05	2300						
155.00	15798						
156.00	45844						
157.05	6308						
173.90	187710						
174.90	13120						
175.90	183424						
176.90	12098						

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

Blank

Laboratory: TestAmerica Buffalo SDG: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid Laboratory ID: 10L0624-BLK1 File ID: F9000.D

Sampled: Prepared: 12/08/10 10:55 Analyzed: 12/08/10 12:22

Solids: Preparation: 5030B MS Initial/Final: 5 g / 5 mL

Batch: 10L0624 Sequence: T005584 Calibration: R10L016 Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	5.0	U
79-00-5	1,1,2-Trichloroethane	1	5.0	U
75-34-3	1,1-Dichloroethane	1	5.0	U
75-35-4	1,1-Dichloroethene	1	5.0	U
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U
95-63-6	1,2,4-Trimethylbenzene	1	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1	5.0	U
95-50-1	1,2-Dichlorobenzene	1	5.0	U
107-06-2	1,2-Dichloroethane	1	5.0	U
78-87-5	1,2-Dichloropropane	1	5.0	U
108-67-8	1,3,5-Trimethylbenzene	1	5.0	U
541-73-1	1,3-Dichlorobenzene	1	5.0	U
106-46-7	1,4-Dichlorobenzene	1	5.0	U
78-93-3	2-Butanone (MEK)	1	25	U
591-78-6	2-Hexanone	1	25	U
99-87-6	4-Isopropyltoluene	1	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	25	U
67-64-1	Acetone	1	25	U
71-43-2	Benzene	1	5.0	U
75-27-4	Bromodichloromethane	1	5.0	U
75-25-2	Bromoform	1	5.0	U
74-83-9	Bromomethane	1	5.0	U
75-15-0	Carbon disulfide	1	5.0	U
56-23-5	Carbon Tetrachloride	1	5.0	U
108-90-7	Chlorobenzene	1	5.0	U
124-48-1	Chlorodibromomethane	1	5.0	U
75-00-3	Chloroethane	1	5.0	U
67-66-3	Chloroform	1	5.0	U
74-87-3	Chloromethane	1	5.0	U
156-59-2	cis-1,2-Dichloroethene	1	5.0	U
10061-01-5	cis-1,3-Dichloropropene	1	5.0	U
110-82-7	Cyclohexane	1	5.0	U
75-71-8	Dichlorodifluoromethane	1	5.0	U
100-41-4	Ethylbenzene	1	5.0	U
98-82-8	Isopropylbenzene	1	5.0	U
79-20-9	Methyl Acetate	1	5.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

Blank

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0624-BLK1	File ID:	F9000.D
Sampled:		Prepared:	12/08/10 10:55	Analyzed:	12/08/10 12:22
Solids:		Preparation:	5030B MS	Initial/Final:	5 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	5.0	U
108-87-2	Methylcyclohexane	1	5.0	U
75-09-2	Methylene Chloride	1	5.0	U
91-20-3	Naphthalene	1	5.0	U
104-51-8	n-Butylbenzene	1	5.0	U
103-65-1	n-Propylbenzene	1	5.0	U
135-98-8	sec-Butylbenzene	1	5.0	U
100-42-5	Styrene	1	5.0	U
98-06-6	tert-Butylbenzene	1	5.0	U
127-18-4	Tetrachloroethene	1	5.0	U
108-88-3	Toluene	1	5.0	U
156-60-5	trans-1,2-Dichloroethene	1	5.0	U
10061-02-6	trans-1,3-Dichloropropene	1	5.0	U
79-01-6	Trichloroethene	1	5.0	U
75-69-4	Trichlorofluoromethane	1	5.0	U
75-01-4	Vinyl chloride	1	5.0	U
1330-20-7	Xylenes, total	1	10	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
NOTICS	No TICs found		0.0	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	51.2	102	64 - 126	
4-Bromofluorobenzene	50.0	49.9	100	72 - 126	
Toluene-d8	50.0	52.8	106	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	315609	10.89	390973	10.88	
1,4-Difluorobenzene	676027	5.8	707306	5.8	
Chlorobenzene-d5	319625	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9000.D
Acq On : 8 Dec 2010 12:22
Sample : -BLK1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 12:36:45 2010

Vial: 6
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

NO ADD
NO TIC

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 11:14:15 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Clean
pa 12/8/10

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	676027	50.00	ug/L	0.00 95.58%
42) CI20	Chlorobenzene-D5	8.59	82	319625	50.00	ug/L	0.00 92.85%
62) CI30	1,4-Dichlorobenzene-	10.89	152	315609	50.00	ug/L	0.00 80.72%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	223177	51.24	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	102.48%		
43) CS05	Toluene-D8	7.13	98	959250	52.77	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	105.54%		
61) CS10	p-Bromofluorobenzene	9.80	174	288039	49.88	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	99.76%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	2.31	50	140	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	3.82	84	1370	N.D.		
11) C040	Carbon disulfide	0.00	76	0	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	3.47	43	1221	N.D.		
15) C300	Acetonitrile	3.71	41	818	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C256	Cyclohexane	0.00	56	0	N.D.		
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	5.52	78	468	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	0.00	43	0	N.D.		

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

12/14/10

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9000.D
Acq On : 8 Dec 2010 12:22
Sample : -BLK1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 12:36:45 2010

Vial: 6
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 11:14:15 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	0.00	83	0	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.19	92	1153	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	7.13	43	4141	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	0.00	43	0	N.D.	
54)	C235	Chlorobenzene	8.63	112	1322	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.68	91	2279	N.D.	
57)	C246	m,p-Xylene	8.80	106	2382	N.D.	
58)	C247	o-Xylene	9.24	106	441	N.D.	
59)	C245	Styrene	0.00	104	0	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	0.00	105	0	N.D.	
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	10.18	91	166	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.07	105	1018	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	4679	N.D.	
74)	C308	sec-Butylbenzene	10.51	105	4679	N.D.	
75)	C260	1,3-Dichlorobenzene	10.82	146	279	N.D.	
76)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
77)	C267	1,4-Dichlorobenzene	10.82	146	279	N.D.	
78)	C249	1,2-Dichlorobenzene	11.24	146	2768	N.D.	
79)	C310	n-Butylbenzene	10.88	91	449	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	12.58	180	135	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.82	128	5326	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

12/14/2010

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

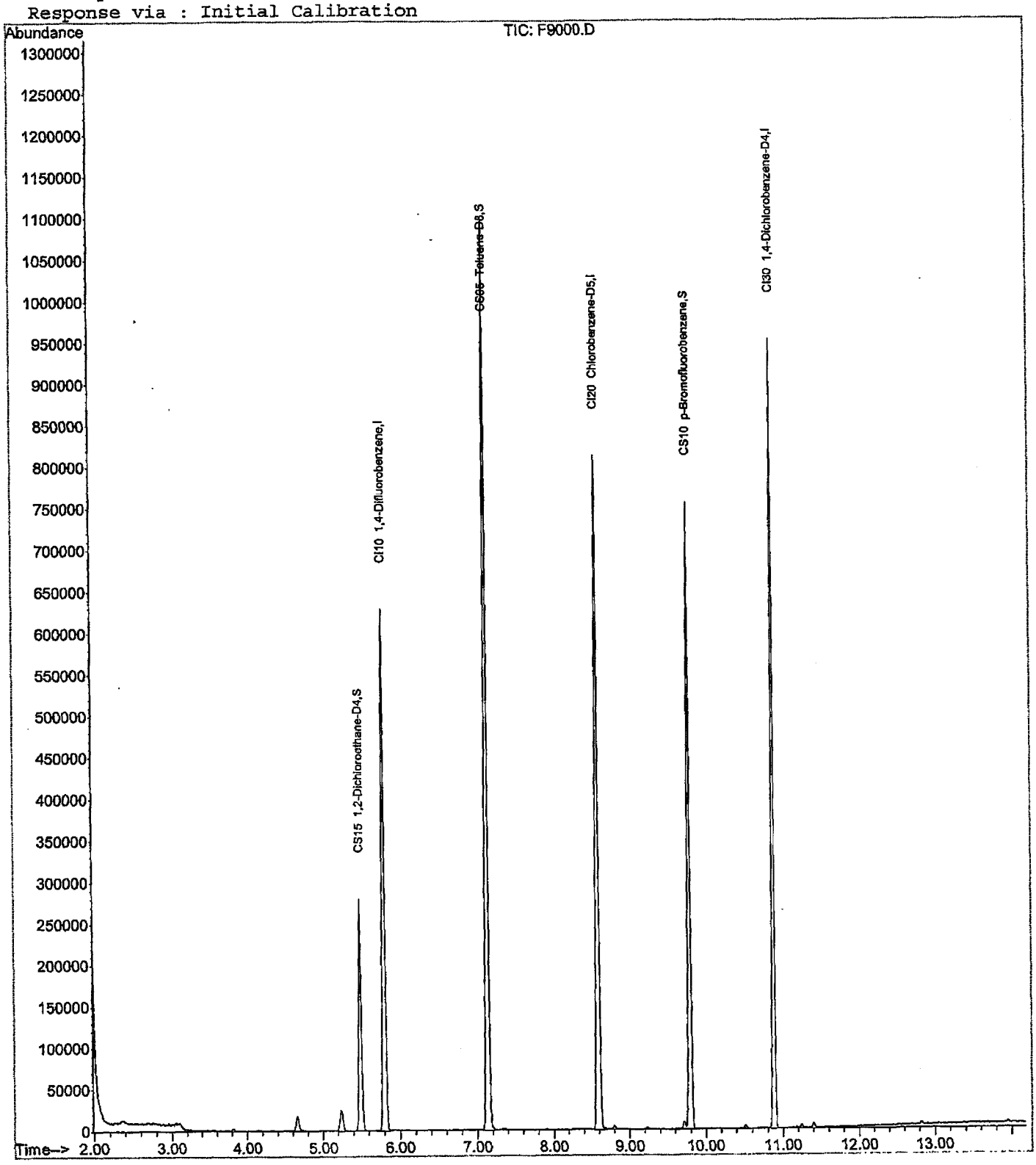
Quantitation Report (Not Reviewed)

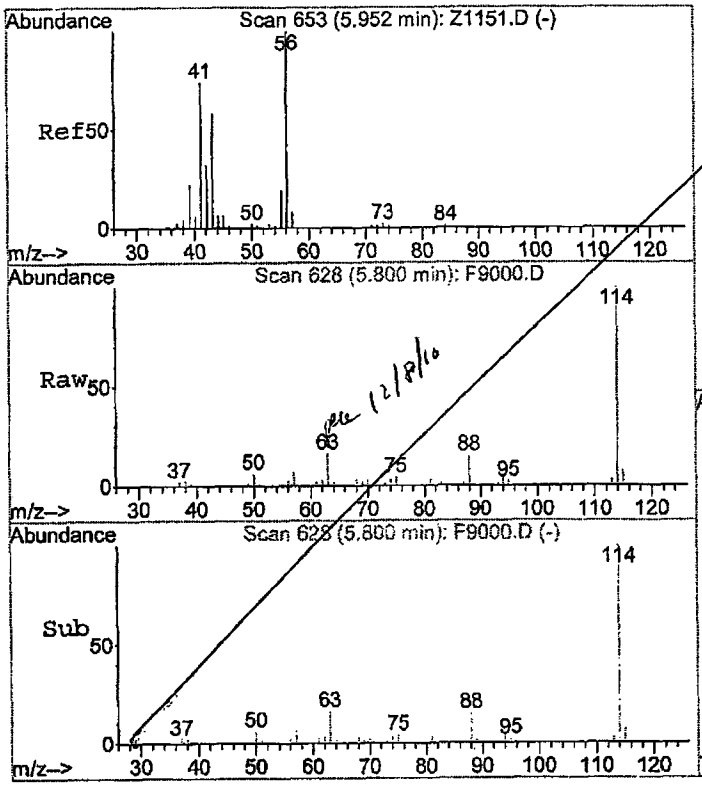
Data File : H:\GCMS_VOA\F\120810\F9000.D
Acq On : 8 Dec 2010 12:22
Sample : -BLK1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 12:33 2010

Vial: 6
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 11:14:15 2010
Response via : Initial Calibration

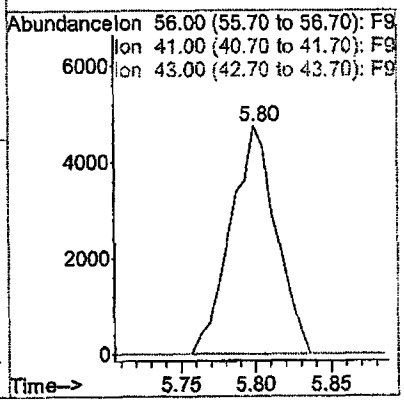


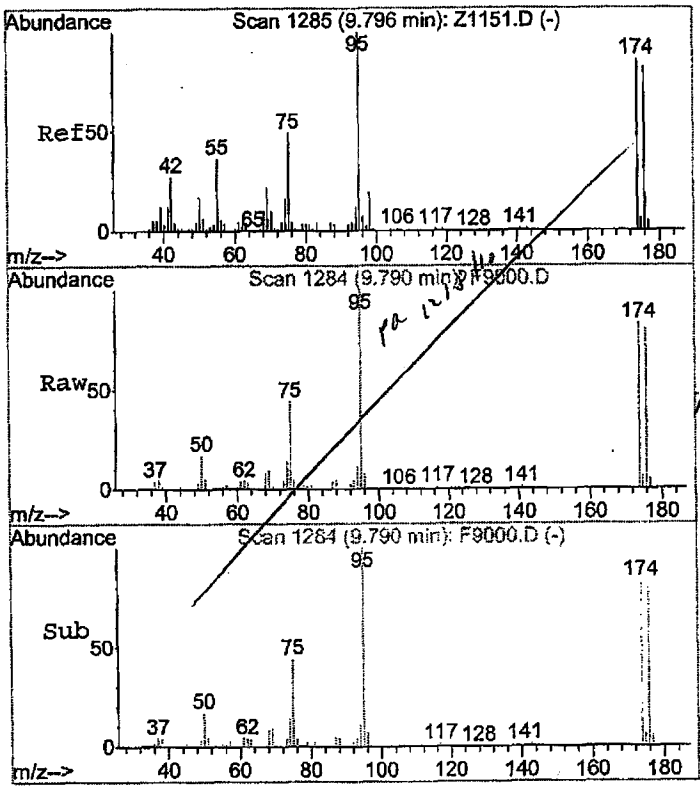


#22
C911 n-Butanol
Concen: 57.63 ug/L
RT: 5.80 min Scan# 628
Delta R.T. -0.14 min
Lab File: F9000.D
Acq: 8 Dec 2010 12:22

Tgt Ion: 56 Resp: 10047

Ion	Ratio	Lower	Upper
56	100		
41	0.0	56.4	84.6#
43	0.0	45.5	68.3#

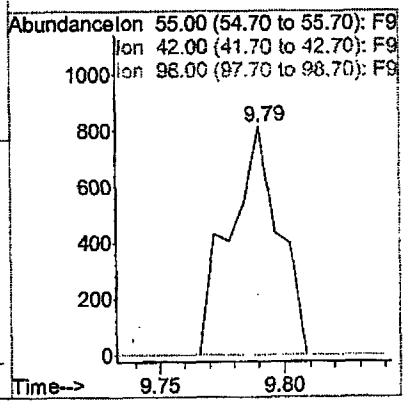




#31
C257 Cyclohexanone
Concen: 1.91 ug/L
RT: 9.79 min Scan# 1284
Delta R.T. 0.01 min
Lab File: F9000.D
Acq: 8 Dec 2010 12:22

Tgt Ion: 55 Resp: 1104

Ion	Ratio	Lower	Upper
55	100		
42	0.0	54.9	82.3#
98	0.0	36.3	54.5#



Tentatively Identified Compound (LSC) summary

Operator ID: PJQ Date Acquired: 8 Dec 2010 12:22
Data File: H:\GCMS_VOA\F\120810\F9000.D
Name: -BLK1
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

Blank

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0699-BLK1	File ID:	F9025.D
Sampled:		Prepared:	12/08/10 22:49	Analyzed:	12/08/10 23:25
Solids:		Preparation:	5030B MS	Initial/Final:	5 g / 5 mL
Batch:	10L0699	Sequence:	T005595	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	5.0	U
79-00-5	1,1,2-Trichloroethane	1	5.0	U
75-34-3	1,1-Dichloroethane	1	5.0	U
75-35-4	1,1-Dichloroethene	1	5.0	U
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U
95-63-6	1,2,4-Trimethylbenzene	1	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1	5.0	U
95-50-1	1,2-Dichlorobenzene	1	5.0	U
107-06-2	1,2-Dichloroethane	1	5.0	U
78-87-5	1,2-Dichloropropane	1	5.0	U
108-67-8	1,3,5-Trimethylbenzene	1	5.0	U
541-73-1	1,3-Dichlorobenzene	1	5.0	U
106-46-7	1,4-Dichlorobenzene	1	5.0	U
78-93-3	2-Butanone (MEK)	1	25	U
591-78-6	2-Hexanone	1	25	U
99-87-6	4-Isopropyltoluene	1	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	25	U
67-64-1	Acetone	1	25	U
71-43-2	Benzene	1	5.0	U
75-27-4	Bromodichloromethane	1	5.0	U
75-25-2	Bromoform	1	5.0	U
74-83-9	Bromomethane	1	5.0	U
75-15-0	Carbon disulfide	1	5.0	U
56-23-5	Carbon Tetrachloride	1	5.0	U
108-90-7	Chlorobenzene	1	5.0	U
124-48-1	Chlorodibromomethane	1	5.0	U
75-00-3	Chloroethane	1	5.0	U
67-66-3	Chloroform	1	5.0	U
74-87-3	Chloromethane	1	5.0	U
156-59-2	cis-1,2-Dichloroethene	1	5.0	U
10061-01-5	cis-1,3-Dichloropropene	1	5.0	U
110-82-7	Cyclohexane	1	5.0	U
75-71-8	Dichlorodifluoromethane	1	5.0	U
100-41-4	Ethylbenzene	1	5.0	U
98-82-8	Isopropylbenzene	1	5.0	U
79-20-9	Methyl Acetate	1	5.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

Blank

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0699-BLK1	File ID:	F9025.D
Sampled:		Prepared:	12/08/10 22:49	Analyzed:	12/08/10 23:25
Solids:		Preparation:	5030B MS	Initial/Final:	5 g / 5 mL
Batch:	10L0699	Sequence:	T005595	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	5.0	U
108-87-2	Methylcyclohexane	1	5.0	U
75-09-2	Methylene Chloride	1	5.0	U
91-20-3	Naphthalene	1	5.0	U
104-51-8	n-Butylbenzene	1	5.0	U
103-65-1	n-Propylbenzene	1	5.0	U
135-98-8	sec-Butylbenzene	1	5.0	U
100-42-5	Styrene	1	5.0	U
98-06-6	tert-Butylbenzene	1	5.0	U
127-18-4	Tetrachloroethene	1	5.0	U
108-88-3	Toluene	1	5.0	U
156-60-5	trans-1,2-Dichloroethene	1	5.0	U
10061-02-6	trans-1,3-Dichloropropene	1	5.0	U
79-01-6	Trichloroethene	1	5.0	U
75-69-4	Trichlorofluoromethane	1	5.0	U
75-01-4	Vinyl chloride	1	5.0	U
1330-20-7	Xylenes, total	1	10	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
NOTICS	No TICs found		0.0	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	51.6	103	64 - 126	
4-Bromofluorobenzene	50.0	49.5	99	72 - 126	
Toluene-d8	50.0	51.3	103	71 - 125	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	375928	10.88	457489	10.88	
1,4-Difluorobenzene	714423	5.8	777455	5.8	
Chlorobenzene-d5	346962	8.59	388632	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9025.D
Acq On : 8 Dec 2010 23:25
Sample : 10L0699-BLK1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 23:42:48 2010

Vial: 5
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 23:41:29 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F9022.D (8 Dec 2010 21:52)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	714423	50.00	ug/L	0.00 91.89%
42) CI20	Chlorobenzene-D5	8.59	82	346962	50.00	ug/L	0.00 89.28%
62) CI30	1,4-Dichlorobenzene-	10.88	152	375928	50.00	ug/L	0.00 82.17%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	237598	51.62	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	103.24%		
43) CS05	Toluene-D8	7.13	98	1012718	51.32	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	102.64%		
61) CS10	p-Bromofluorobenzene	9.80	174	310584	49.54	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	99.08%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	3.81	84	5724	1.38	ug/L	91
11) C040	Carbon disulfide	0.00	76	0	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	3.49	43	1242	N.D.		
15) C300	Acetonitrile	3.75	41	1148	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C256	Cyclohexane	0.00	56	0	N.D.		
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	5.51	78	587	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	4.82	43	146	N.D.		

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9025.D
Acq On : 8 Dec 2010 23:25
Sample : 10L0699-BLK1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 23:42:48 2010

Vial: 5
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 23:41:29 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	0.00	95	0	N.D.	
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	0.00	83	0	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	1151	N.D.	
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
48)	C210	4-Methyl-2-pentanone	7.00	43	135	N.D.	
49)	C220	Tetrachloroethene	0.00	166	0	N.D.	
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	7.80	43	137	N.D.	
54)	C235	Chlorobenzene	8.63	112	1710	N.D.	
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.68	91	1828	N.D.	
57)	C246	m,p-Xylene	8.80	106	1872	N.D.	
58)	C247	o-Xylene	9.23	106	312	N.D.	
59)	C245	Styrene	9.26	104	166	N.D.	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	0.00	105	0	N.D.	
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	10.00	91	473	N.D.	
69)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
70)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.15	105	170	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	3896	N.D.	
74)	C308	sec-Butylbenzene	10.51	105	3896	N.D.	
75)	C260	1,3-Dichlorobenzene	10.82	146	295	N.D.	
76)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
77)	C267	1,4-Dichlorobenzene	10.90	146	734	N.D.	
78)	C249	1,2-Dichlorobenzene	11.24	146	2962	N.D.	
79)	C310	n-Butylbenzene	10.88	91	593	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	12.58	180	543	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.83	128	9359	N.D.	
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

12/14/2010

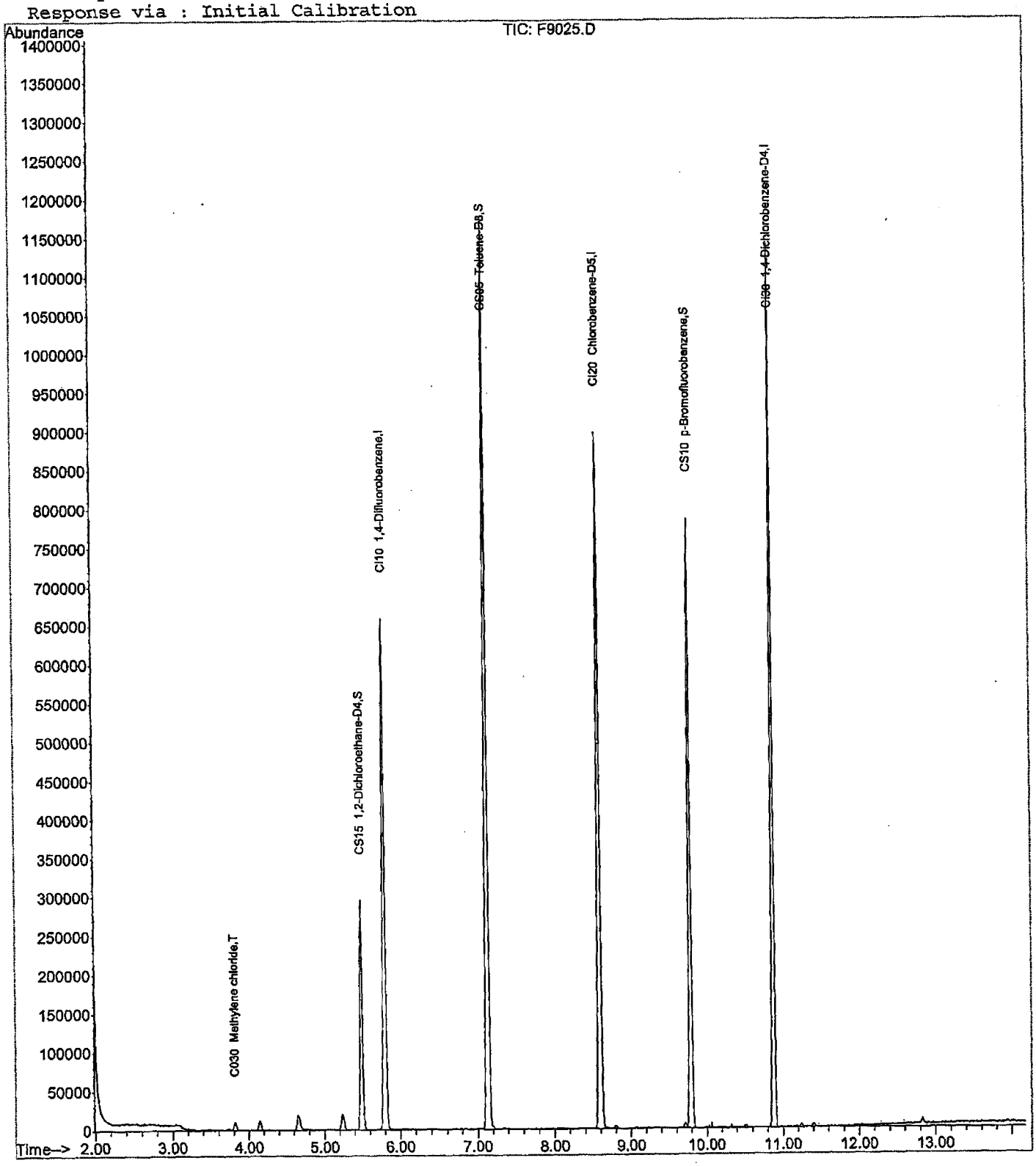
(#) = qualifier out of range (m) = manual integration

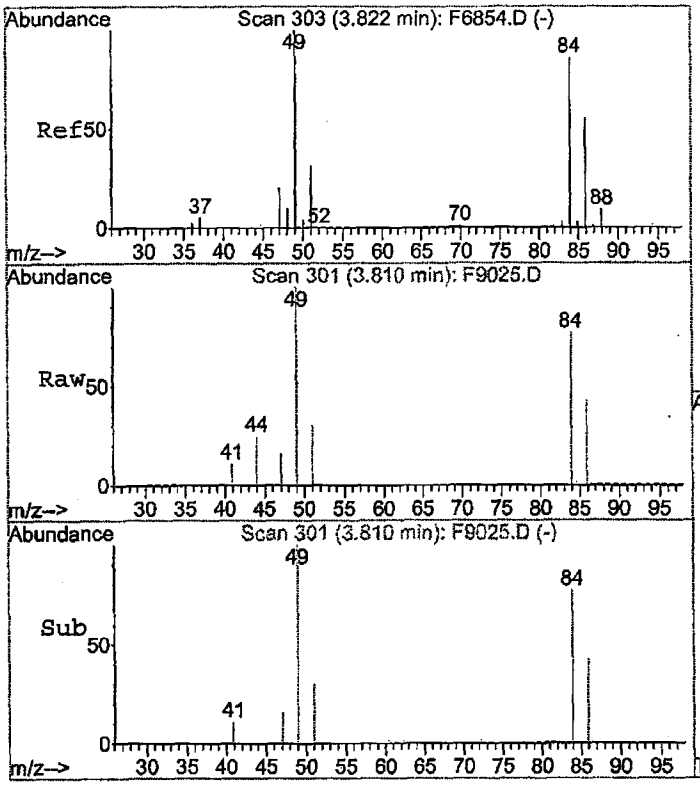
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9025.D
Acq On : 8 Dec 2010 23:25
Sample : 10L0699-BLK1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 23:39 2010

Vial: 5
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 23:41:29 2010
Response via : Initial Calibration

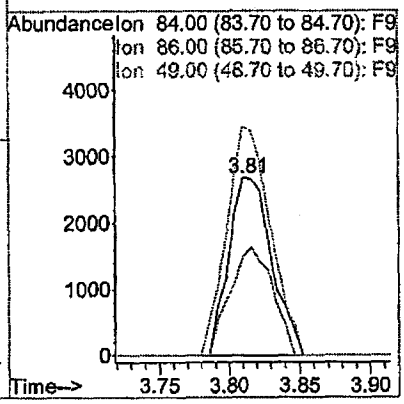




#10
C030 Methylene chloride
Concen: 1.38 ug/L
RT: 3.81 min Scan# 301
Delta R.T. -0.01 min
Lab File: F9025.D
Acq: 8 Dec 2010 23:25

Tgt Ion: 84 Resp: 5724

Ion	Ratio	Lower	Upper
84	100		
86	55.3	40.0	100.0
49	129.1	95.0	155.0



Tentatively Identified Compound (LSC) summary

Operator ID: CDC Date Acquired: 8 Dec 2010 23:25
Data File: H:\GCMS_VOA\F\120810\F9025.D
Name: 10L0699-BLK1
Misc:
Method: C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title: 8260 SOILS ENCON
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

LCS

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0624-BS1	File ID:	F8999.D
Sampled:		Prepared:	12/08/10 10:55	Analyzed:	12/08/10 11:56
Solids:		Preparation:	5030B MS	Initial/Final:	5 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	5.0	U
79-00-5	1,1,2-Trichloroethane	1	5.0	U
75-34-3	1,1-Dichloroethane	1	53.2	
75-35-4	1,1-Dichloroethene	1	63.0	
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U
95-63-6	1,2,4-Trimethylbenzene	1	44.7	
96-12-8	1,2-Dibromo-3-chloropropane	1	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1	5.0	U
95-50-1	1,2-Dichlorobenzene	1	45.7	
107-06-2	1,2-Dichloroethane	1	52.3	
78-87-5	1,2-Dichloropropane	1	5.0	U
108-67-8	1,3,5-Trimethylbenzene	1	5.0	U
541-73-1	1,3-Dichlorobenzene	1	5.0	U
106-46-7	1,4-Dichlorobenzene	1	5.0	U
78-93-3	2-Butanone (MEK)	1	25	U
591-78-6	2-Hexanone	1	25	U
99-87-6	4-Isopropyltoluene	1	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	25	U
67-64-1	Acetone	1	25	U
71-43-2	Benzene	1	52.7	
75-27-4	Bromodichloromethane	1	5.0	U
75-25-2	Bromoform	1	5.0	U
74-83-9	Bromomethane	1	5.0	U
75-15-0	Carbon disulfide	1	5.0	U
56-23-5	Carbon Tetrachloride	1	5.0	U
108-90-7	Chlorobenzene	1	48.4	
124-48-1	Chlorodibromomethane	1	5.0	U
75-00-3	Chloroethane	1	5.0	U
67-66-3	Chloroform	1	5.0	U
74-87-3	Chloromethane	1	5.0	U
156-59-2	cis-1,2-Dichloroethene	1	51.5	
10061-01-5	cis-1,3-Dichloropropene	1	5.0	U
110-82-7	Cyclohexane	1	5.0	U
75-71-8	Dichlorodifluoromethane	1	5.0	U
100-41-4	Ethylbenzene	1	48.8	
98-82-8	Isopropylbenzene	1	5.0	U
79-20-9	Methyl Acetate	1	5.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

LCS

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0624-BS1	File ID:	F8999.D
Sampled:		Prepared:	12/08/10 10:55	Analyzed:	12/08/10 11:56
Solids:		Preparation:	5030B MS	Initial/Final:	5 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	55.4	
108-87-2	Methylcyclohexane	1	5.0	U
75-09-2	Methylene Chloride	1	5.0	U
91-20-3	Naphthalene	1	5.0	U
104-51-8	n-Butylbenzene	1	5.0	U
103-65-1	n-Propylbenzene	1	5.0	U
135-98-8	sec-Butylbenzene	1	5.0	U
100-42-5	Styrene	1	5.0	U
98-06-6	tert-Butylbenzene	1	5.0	U
127-18-4	Tetrachloroethene	1	50.2	
108-88-3	Toluene	1	46.4	
156-60-5	trans-1,2-Dichloroethene	1	53.9	
10061-02-6	trans-1,3-Dichloropropene	1	5.0	U
79-01-6	Trichloroethene	1	53.4	
75-69-4	Trichlorofluoromethane	1	5.0	U
75-01-4	Vinyl chloride	1	5.0	U
1330-20-7	Xylenes, total	1	146	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	55.2	110	64 - 126	
4-Bromofluorobenzene	50.0	52.2	104	72 - 126	
Toluene-d8	50.0	53.2	106	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	370506	10.88	390973	10.88	
1,4-Difluorobenzene	688372	5.8	707306	5.8	
Chlorobenzene-d5	335937	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F8999.D Vial: 5
Acq On : 8 Dec 2010 11:56 Operator: PJQ
Sample : -BS1 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 12:24:12 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 11:14:15 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

STE 12/8/10

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	688372	50.00 ug/L	0.00 97.32%
42) CI20	Chlorobenzene-D5	8.59	82	335937	50.00 ug/L	0.00 97.58%
62) CI30	1,4-Dichlorobenzene-	10.88	152	370506	50.00 ug/L	0.00 94.77%
System Monitoring Compounds						
31) CS15	1,2-Dichloroethane-D	5.50	65	244964m	55.23 ug/L	0.00
Spiked Amount	50.000	Range 64 - 126		Recovery = 110.46%		
43) CS05	Toluene-D8	7.14	98	1017174	53.24 ug/L	0.00
Spiked Amount	50.000	Range 71 - 125		Recovery = 106.48%		
61) CS10	p-Bromofluorobenzene	9.80	174	317100	52.24 ug/L	0.00
Spiked Amount	50.000	Range 72 - 126		Recovery = 104.48%		
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.	
3) C010	Chloromethane	2.31	50	133	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	2.64	94	137	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluorometha	0.00	101	0	N.D.	
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
9) C045	1,1-Dichloroethene	3.41	96	214928	63.04 ug/L	100
10) C030	Methylene chloride	3.82	84	2708	N.D.	
11) C040	Carbon disulfide	0.00	76	0	N.D.	
12) C036	Acrolein	0.00	56	0	N.D.	
13) C038	Acrylonitrile	3.98	53	5866	N.D.	
14) C035	Acetone	3.47	43	2241	N.D.	
15) C300	Acetonitrile	0.00	41	0	N.D.	
16) C276	Iodomethane	0.00	142	0	N.D.	
17) C255	Methyl Acetate	0.00	43	0	N.D.	
18) C962	T-butyl Methyl Ether	3.97	73	616929	55.37 ug/L	93
19) C057	trans-1,2-Dichloroet	4.01	96	243998	53.91 ug/L #	80
20) C050	1,1-Dichloroethane	4.35	63	401744	53.24 ug/L	97
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroethe	4.82	96	263943	51.54 ug/L	84
24) C272	Tetrahydrofuran	0.00	42	0	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	0.00	83	0	N.D.	
27) C256	Cyclohexane	0.00	56	0	N.D.	
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.	
29) C120	Carbon tetrachloride	0.00	117	0	N.D.	
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.	
32) C165	Benzene	5.53	78	943280	52.69 ug/L	99
33) C065	1,2-Dichloroethane	5.56	62	283535	52.30 ug/L	94
34) C110	2-Butanone	4.80	43	1367	N.D.	

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F8999.D
Acq On : 8 Dec 2010 11:56
Sample : -BS1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 12:24:12 2010

Vial: 5
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 11:14:15 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	6.05	95	246261	53.40 ug/L	79
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	6.05	83	2297	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	627705	46.40 ug/L	94
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D. d	
48)	C210	4-Methyl-2-pentanone	7.00	43	656	N.D.	
49)	C220	Tetrachloroethene	7.73	166	297683	50.25 ug/L	90
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	7.80	43	696	N.D.	
54)	C235	Chlorobenzene	8.63	112	735533	48.39 ug/L	88
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.68	91	1177182	48.80 ug/L	93
57)	C246	m,p-Xylene	8.80	106	995010	98.06 ug/L	92
58)	C247	o-Xylene	9.23	106	467122	47.83 ug/L #	73
59)	C245	Styrene	0.00	104	0	N.D. d	
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	0.00	105	0	N.D.	
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68)	C302	n-Propylbenzene	9.99	91	1380	N.D.	
69)	C303	O 2-Chlorotoluene	10.17	126	460	N.D.	
70)	C289	P 4-Chlorotoluene	10.17	126	460	N.D.	
71)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	977661	44.74 ug/L	96
74)	C308	sec-Butylbenzene	0.00	105	0	N.D. d	
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D. d	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	11.24	146	557794	45.74 ug/L	96
79)	C310	n-Butylbenzene	11.15	91	812	N.D.	
80)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81)	C313	1,2,4-Trichlorobenze	12.58	180	1127	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.82	128	7626	N.D.	
84)	C934	1,2,3-Trichlorobenze	13.05	180	459	N.D.	

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

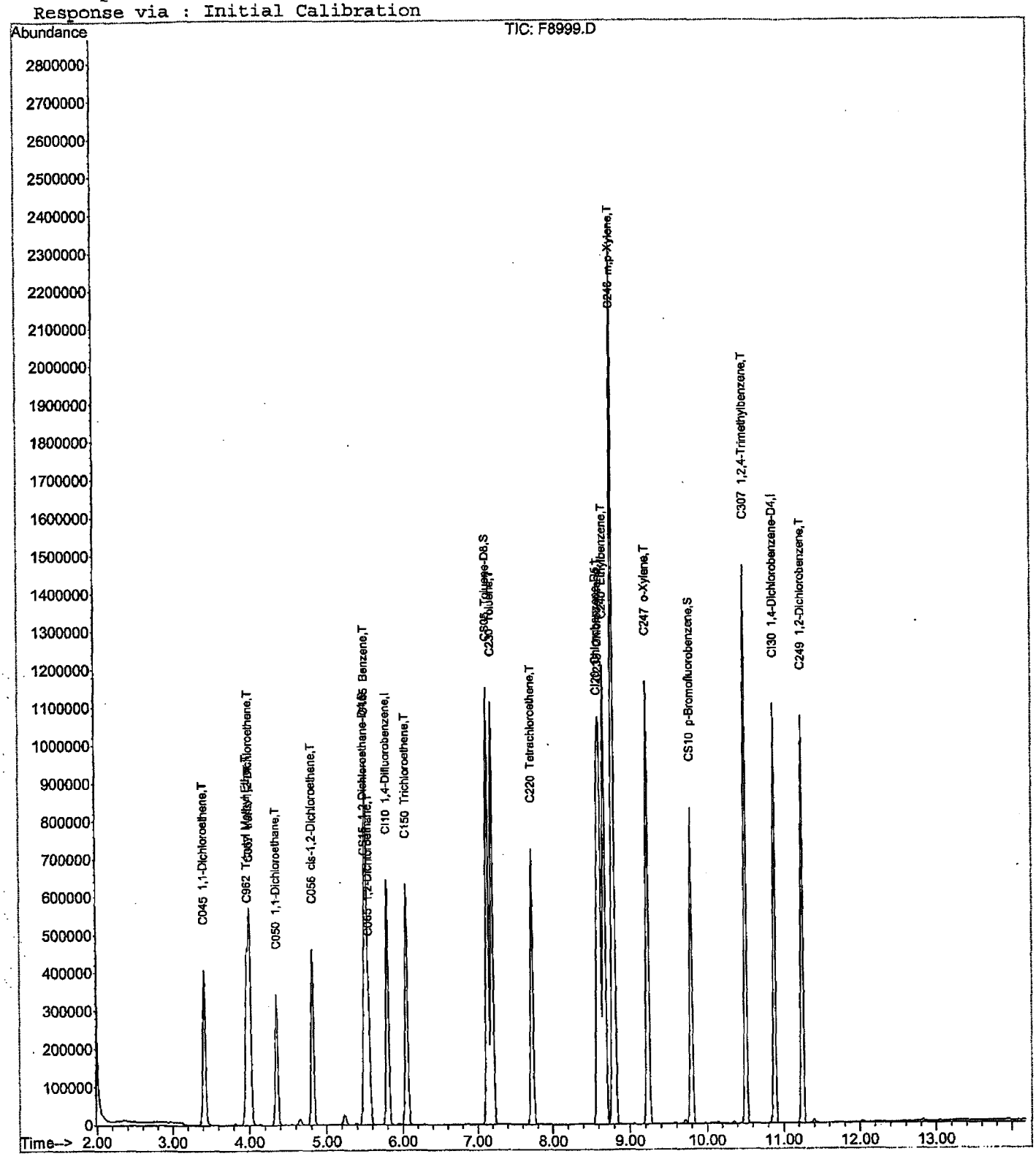
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\120810\F8999.D
Acq On : 8 Dec 2010 11:56
Sample : -BS1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 12:28 2010

Vial: 5
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 11:14:15 2010
Response via : Initial Calibration



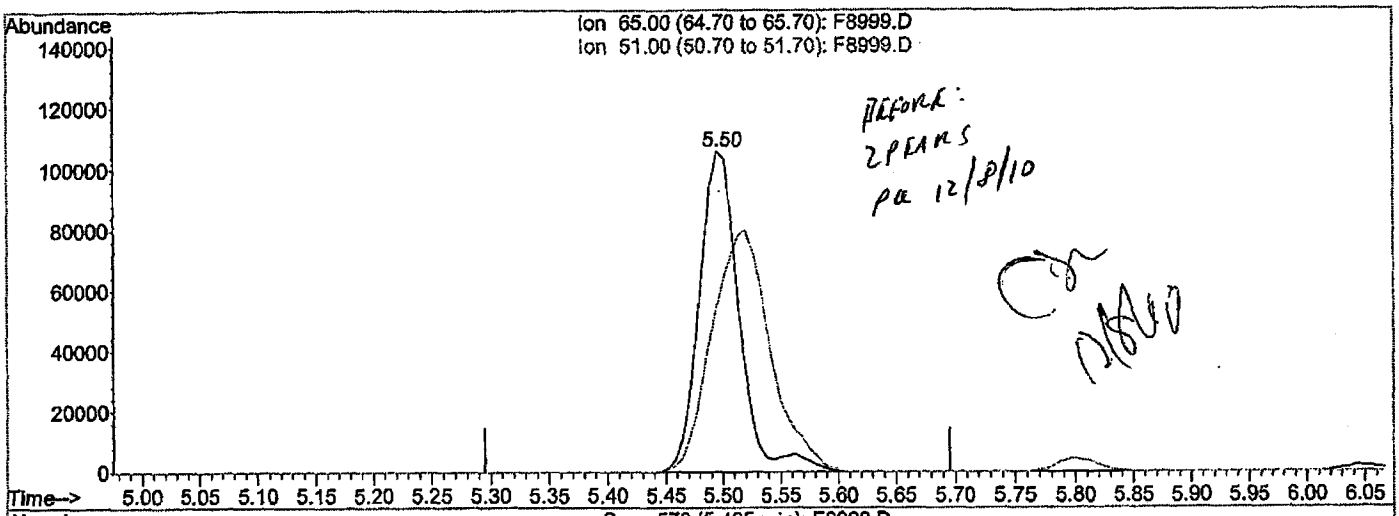
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120810\F8999.D
Acq On : 8 Dec 2010 11:56
Sample : -BS1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 12:27 2010

Vial: 5
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 11:14:15 2010
Response via : Multiple Level Calibration



TIC: F8999.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 57.67ug/L

response 255770

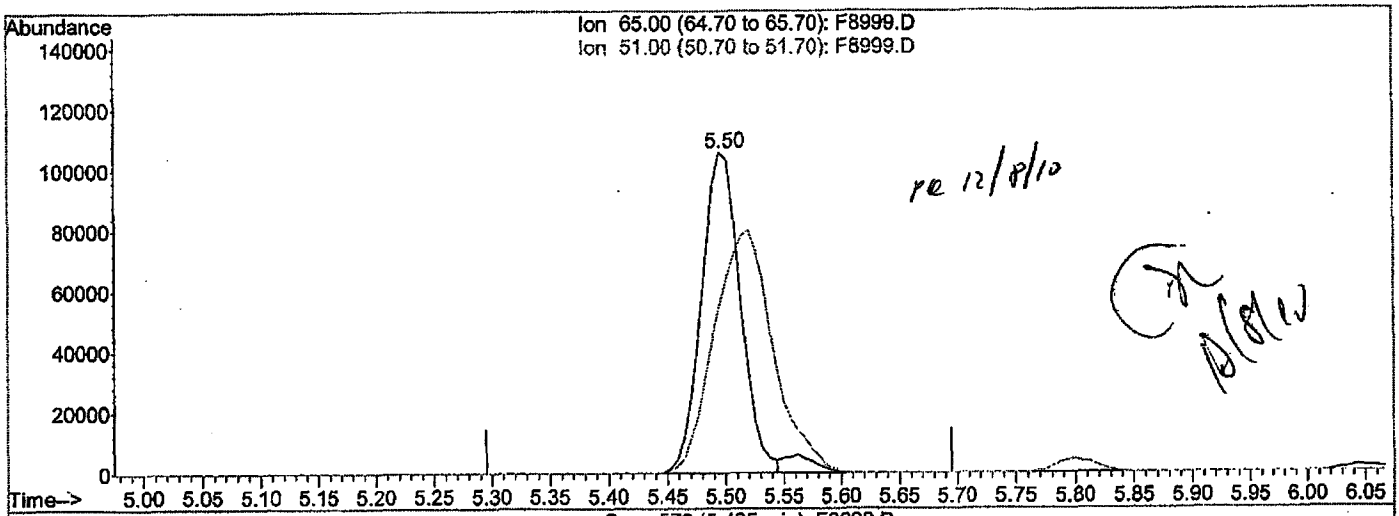
Ion	Exp%	Act%
65.00	100	100
51.00	45.00	52.07
0.00	0.00	0.00
0.00	0.00	0.00

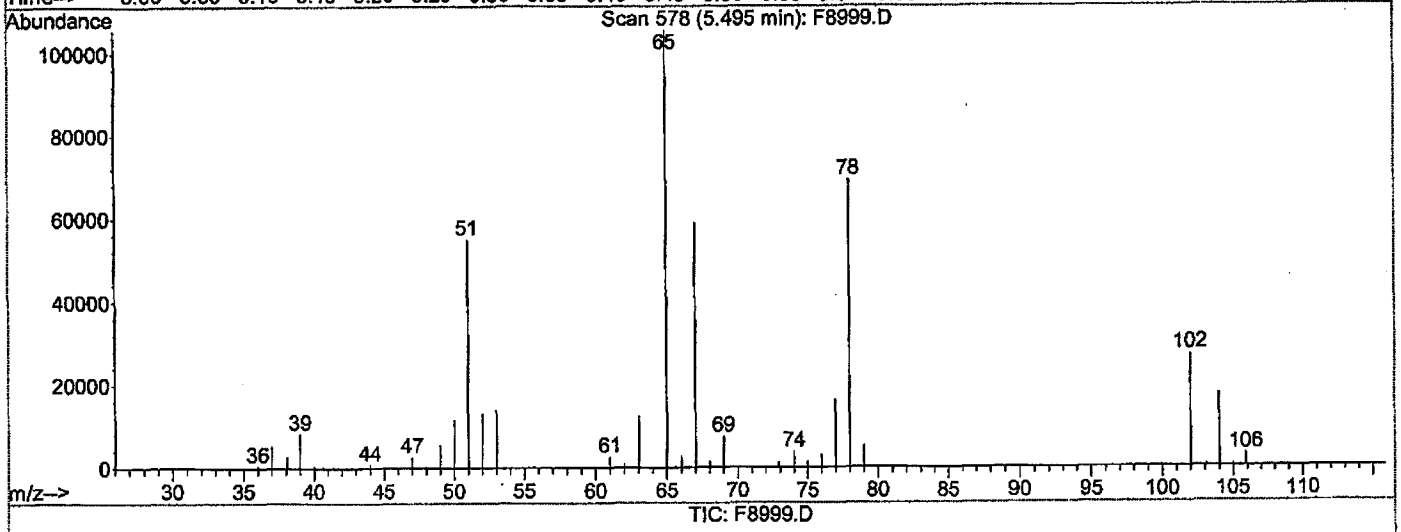
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120810\F8999.D
Acq On : 8 Dec 2010 11:56
Sample : -BS1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 12:28 2010

Vial: 5
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 11:14:15 2010
Response via : Multiple Level Calibration





TIC: F8999.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 55.23ug/L m

response 244964

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	52.07
0.00	0.00	0.00
0.00	0.00	0.00

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

LCS

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0699-BS1	File ID:	F9024.D
Sampled:		Prepared:	12/08/10 22:49	Analyzed:	12/08/10 22:59
Solids:		Preparation:	5030B MS	Initial/Final:	5 g / 5 mL
Batch:	10L0699	Sequence:	T005595	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	5.0	U
79-00-5	1,1,2-Trichloroethane	1	5.0	U
75-34-3	1,1-Dichloroethane	1	54.7	
75-35-4	1,1-Dichloroethene	1	66.1	
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U
95-63-6	1,2,4-Trimethylbenzene	1	44.1	
96-12-8	1,2-Dibromo-3-chloropropane	1	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1	5.0	U
95-50-1	1,2-Dichlorobenzene	1	45.8	
107-06-2	1,2-Dichloroethane	1	53.1	
78-87-5	1,2-Dichloropropane	1	5.0	U
108-67-8	1,3,5-Trimethylbenzene	1	5.0	U
541-73-1	1,3-Dichlorobenzene	1	5.0	U
106-46-7	1,4-Dichlorobenzene	1	5.0	U
78-93-3	2-Butanone (MEK)	1	25	U
591-78-6	2-Hexanone	1	25	U
99-87-6	4-Isopropyltoluene	1	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	25	U
67-64-1	Acetone	1	25	U
71-43-2	Benzene	1	54.4	
75-27-4	Bromodichloromethane	1	5.0	U
75-25-2	Bromoform	1	5.0	U
74-83-9	Bromomethane	1	5.0	U
75-15-0	Carbon disulfide	1	5.0	U
56-23-5	Carbon Tetrachloride	1	5.0	U
108-90-7	Chlorobenzene	1	49.6	
124-48-1	Chlorodibromomethane	1	5.0	U
75-00-3	Chloroethane	1	5.0	U
67-66-3	Chloroform	1	5.0	U
74-87-3	Chloromethane	1	5.0	U
156-59-2	cis-1,2-Dichloroethene	1	53.1	
10061-01-5	cis-1,3-Dichloropropene	1	5.0	U
110-82-7	Cyclohexane	1	5.0	U
75-71-8	Dichlorodifluoromethane	1	5.0	U
100-41-4	Ethylbenzene	1	49.6	
98-82-8	Isopropylbenzene	1	5.0	U
79-20-9	Methyl Acetate	1	5.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

LCS

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0699-BS1	File ID:	F9024.D
Sampled:		Prepared:	12/08/10 22:49	Analyzed:	12/08/10 22:59
Solids:		Preparation:	5030B MS	Initial/Final:	5 g / 5 mL
Batch:	10L0699	Sequence:	T005595	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	56.0	
108-87-2	Methylcyclohexane	1	5.0	U
75-09-2	Methylene Chloride	1	5.0	U
91-20-3	Naphthalene	1	5.0	U
104-51-8	n-Butylbenzene	1	5.0	U
103-65-1	n-Propylbenzene	1	5.0	U
135-98-8	sec-Butylbenzene	1	5.0	U
100-42-5	Styrene	1	5.0	U
98-06-6	tert-Butylbenzene	1	5.0	U
127-18-4	Tetrachloroethene	1	51.3	
108-88-3	Toluene	1	47.4	
156-60-5	trans-1,2-Dichloroethene	1	55.8	
10061-02-6	trans-1,3-Dichloropropene	1	5.0	U
79-01-6	Trichloroethene	1	54.2	
75-69-4	Trichlorofluoromethane	1	5.0	U
75-01-4	Vinyl chloride	1	5.0	U
1330-20-7	Xylenes, total	1	148	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	54.1	108	64 - 126	
4-Bromofluorobenzene	50.0	52.9	106	72 - 126	
Toluene-d8	50.0	53.0	106	71 - 125	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	398993	10.88	457489	10.88	
1,4-Difluorobenzene	724386	5.8	777455	5.8	
Chlorobenzene-d5	353582	8.59	388632	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9024.D Vial: 4
Acq On : 8 Dec 2010 22:59 Operator: CDC
Sample : 10L0699-BS1 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 23:42:03 2010 Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 23:41:29 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F9022.D (8 Dec 2010 21:52)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	724386	50.00	ug/L	0.00 93.17%
42) CI20	Chlorobenzene-D5	8.59	82	353582	50.00	ug/L	0.00 90.98%
62) CI30	1,4-Dichlorobenzene-	10.88	152	398993	50.00	ug/L	0.00 87.21%
System Monitoring Compounds							
31) CS15	1,2-Dichloroethane-D	5.50	65	252619m	54.13	ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	108.26%		
43) CS05	Toluene-D8	7.14	98	1066487	53.04	ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	106.08%		
61) CS10	p-Bromofluorobenzene	9.80	174	338230	52.94	ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	105.88%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	3.42	96	237281	66.14	ug/L	96
10) C030	Methylene chloride	3.82	84	2174	N.D.		
11) C040	Carbon disulfide	0.00	76	0	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	3.97	53	6341	N.D.		
14) C035	Acetone	3.48	43	1805	N.D.		
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	3.97	73	656204	55.96	ug/L	93
19) C057	trans-1,2-Dichloroet	4.01	96	266010	55.85	ug/L #	79
20) C050	1,1-Dichloroethane	4.36	63	434103	54.67	ug/L	97
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	4.82	96	286357	53.14	ug/L	83
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C256	Cyclohexane	0.00	56	0	N.D.		
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
29) C120	Carbon tetrachloride	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	5.53	78	1024658	54.40	ug/L	99
33) C065	1,2-Dichloroethane	5.56	62	303154	53.14	ug/L	94
34) C110	2-Butanone	4.80	43	1257	N.D.		

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9024.D
Acq On : 8 Dec 2010 22:59
Sample : 10L0699-BS1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 08 23:42:03 2010

Vial: 4
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 23:41:29 2010
Response via : Initial Calibration
DataAcq Meth : VOA

Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35) C150	Trichloroethene	6.05	95	262794	54.16 ug/L	77
36) C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37) C012	Methylcyclohexane	6.04	83	2744	N.D.	
38) C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39) C278	Dibromomethane	0.00	93	0	N.D.	
40) C130	Bromodichloromethane	0.00	83	0	N.D.	
41) C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44) C230	Toluene	7.20	92	675143	47.42 ug/L	94
45) C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46) C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47) C160	1,1,2-Trichloroethan	7.72	83	3985	1.14 ug/L #	18
48) C210	4-Methyl-2-pentanone	7.00	43	987	N.D.	
49) C220	Tetrachloroethene	7.73	166	319649	51.26 ug/L	91
50) C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51) C155	Dibromochloromethane	0.00	129	0	N.D.	
52) C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53) C215	2-Hexanone	7.79	43	1191	N.D.	
54) C235	Chlorobenzene	8.63	112	793029	49.57 ug/L	88
55) C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56) C240	Ethylbenzene	8.68	91	1260024	49.63 ug/L	93
57) C246	m,p-Xylene	8.80	106	1061317	99.37 ug/L	92
58) C247	o-Xylene	9.23	106	502025	48.84 ug/L #	73
59) C245	Styrene	9.24	104	24189	1.50 ug/L #	1
60) C180	Bromoform	0.00	173	0	N.D.	
63) C966	Isopropylbenzene	0.00	105	0	N.D.	
64) C301	Bromobenzene	0.00	156	0	N.D.	
65) C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66) C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67) C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
68) C302	n-Propylbenzene	9.99	91	1296	N.D.	
69) C303	O 2-Chlorotoluene	10.17	126	597	N.D.	
70) C289	P 4-Chlorotoluene	10.17	126	597	N.D.	
71) C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
72) C306	tert-Butylbenzene	0.00	134	0	N.D.	
73) C307	1,2,4-Trimethylbenze	10.51	105	1037624	44.09 ug/L	96
74) C308	sec-Butylbenzene	10.51	105	1037624	35.57 ug/L	51
75) C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76) C309	p-Cymene (4-Isopropy	10.51	119	133155	5.22 ug/L #	30
77) C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78) C249	1,2-Dichlorobenzene	11.24	146	601800	45.83 ug/L	96
79) C310	n-Butylbenzene	10.92	91	262	N.D.	
80) C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
81) C313	1,2,4-Trichlorobenze	12.58	180	1429	N.D.	
82) C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83) C314	Naphthalene	12.82	128	13905	N.D.	
84) C934	1,2,3-Trichlorobenze	13.06	180	847	N.D.	

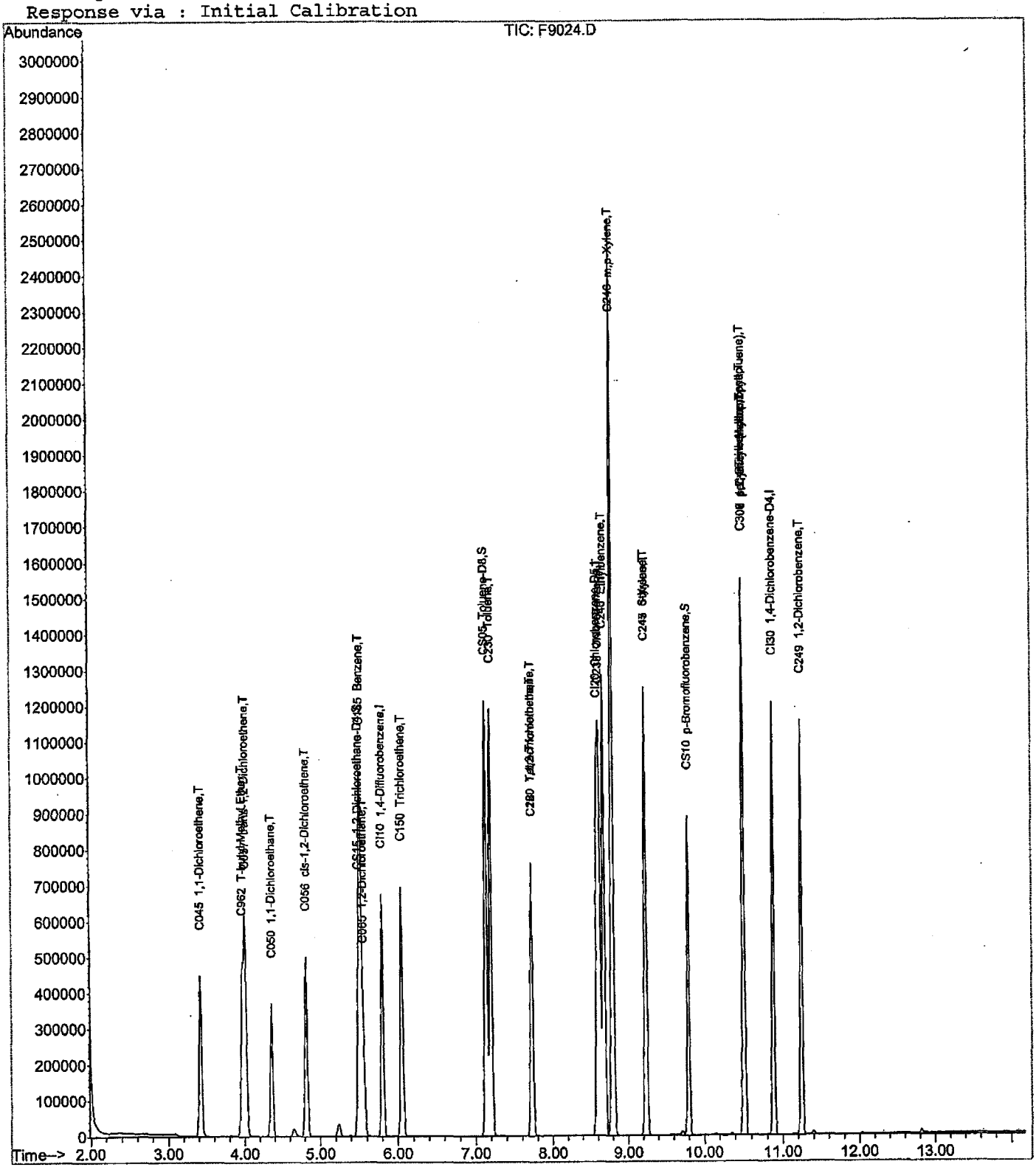
(#) = qualifier out of range (m) = manual integration

12/14/2010

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9024.D Vial: 4
Acq On : 8 Dec 2010 22:59 Operator: CDC
Sample : 10L0699-BS1 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 23:42 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 23:41:29 2010
Response via : Initial Calibration



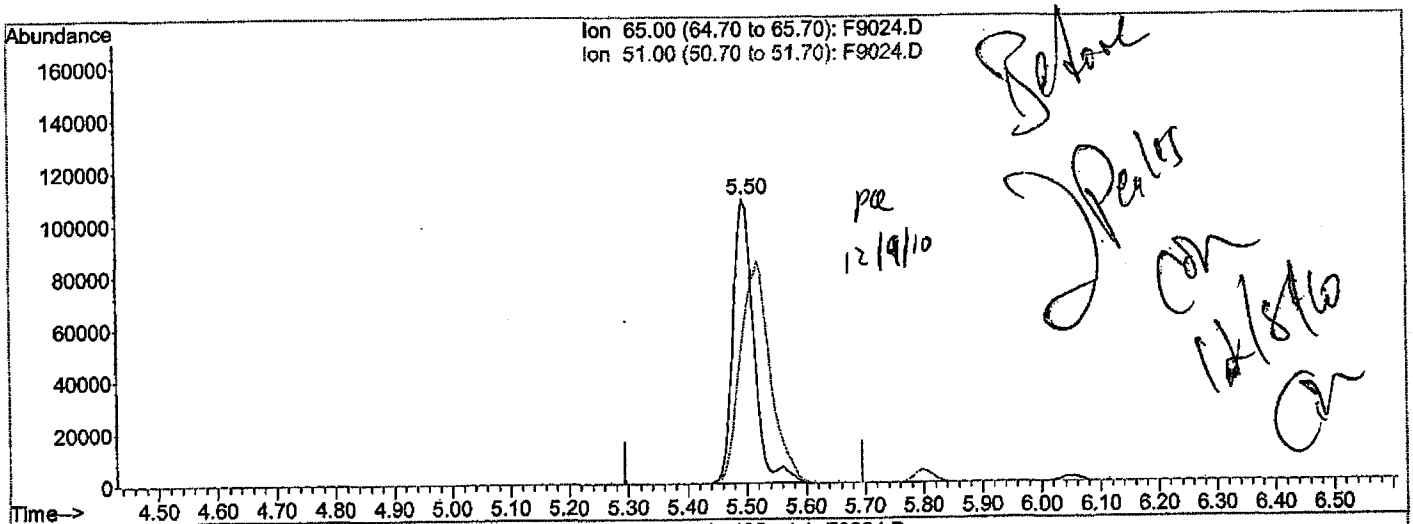
Quantitation Report (Qedit)

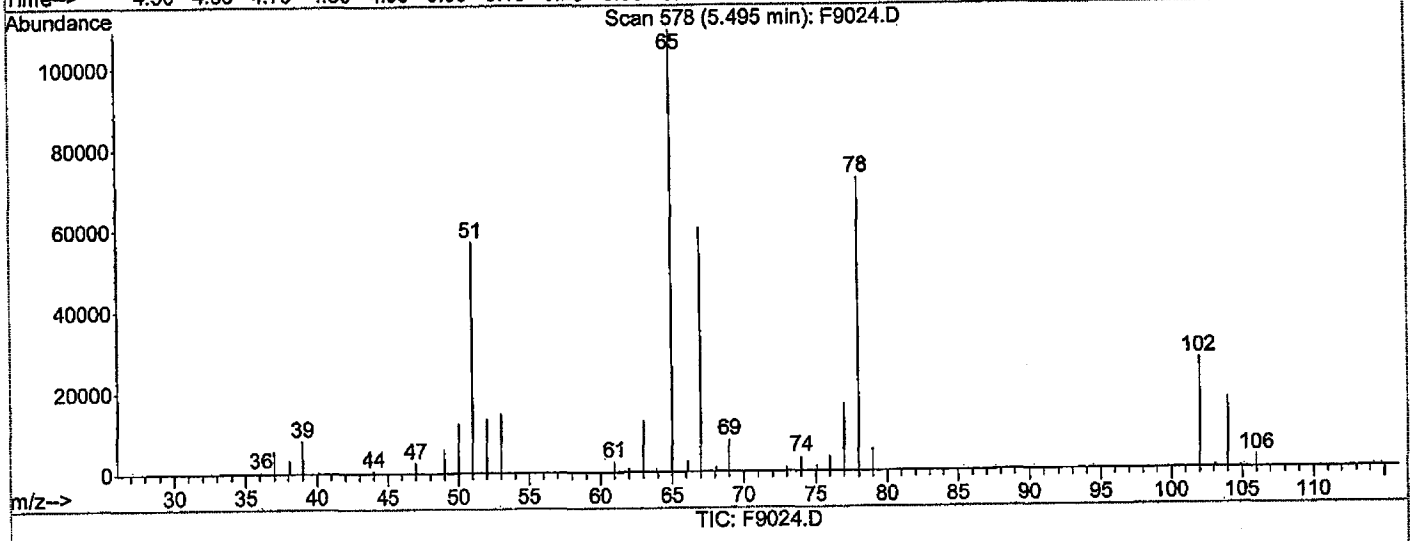
Data File : H:\GCMS_VOA\F\120810\F9024.D
Acq On : 8 Dec 2010 22:59
Sample : 10L0699-BS1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 23:42 2010

Vial: 4
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 23:41:29 2010
Response via : Multiple Level Calibration





TIC: F9024.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 56.43ug/L

response 263399

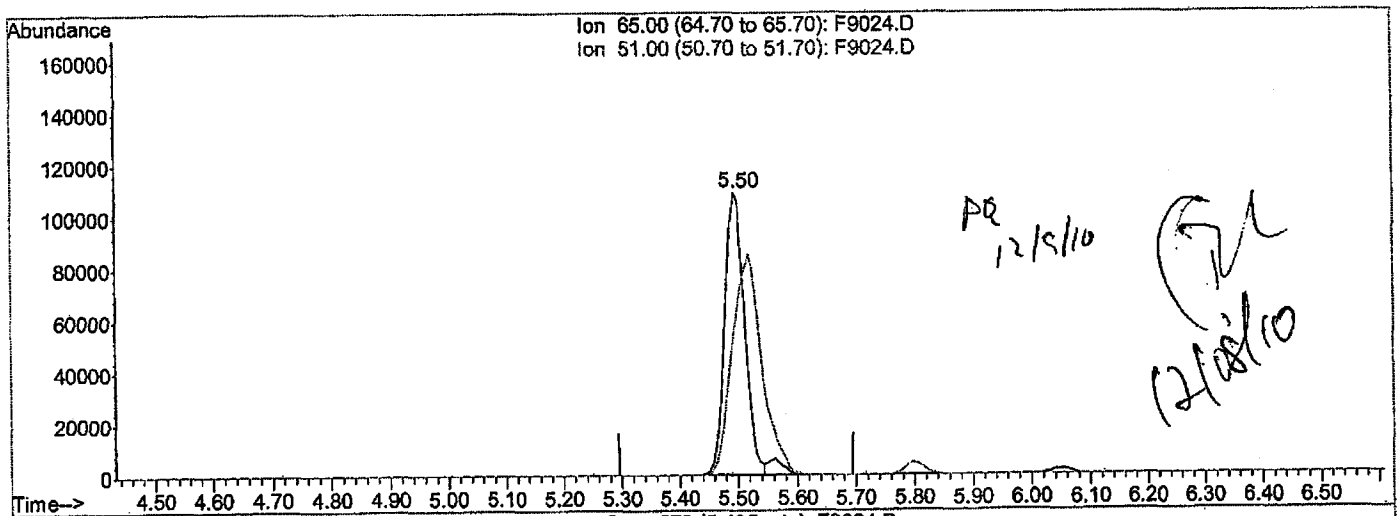
Ion	Exp%	Act%
65.00	100	100
51.00	45.00	52.16
0.00	0.00	0.00
0.00	0.00	0.00

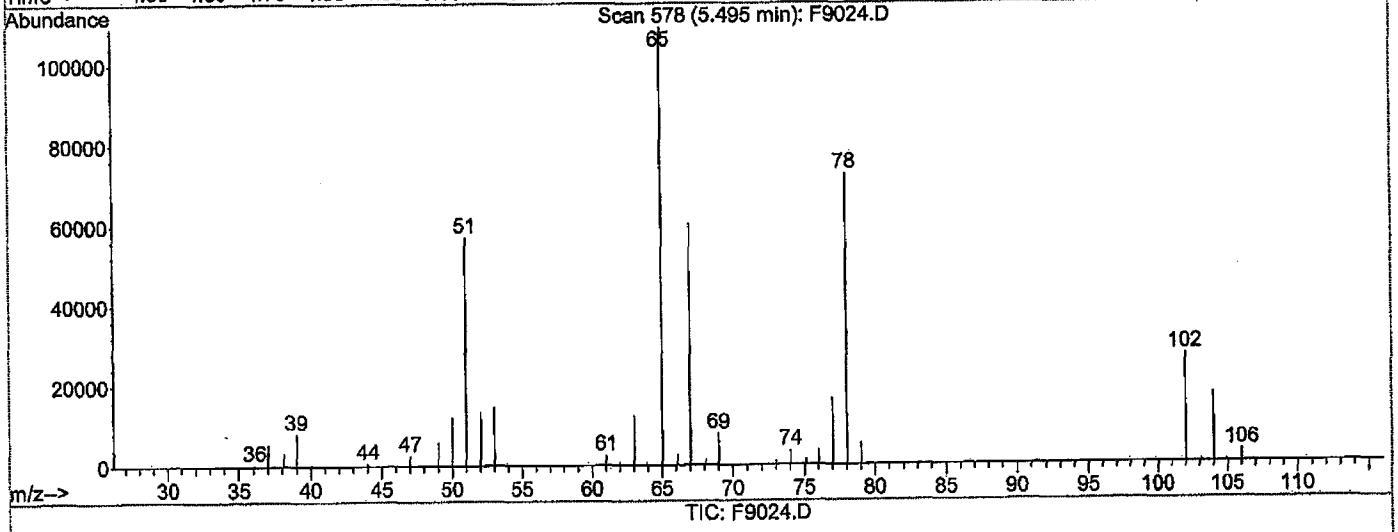
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\120810\F9024.D
Acq On : 8 Dec 2010 22:59
Sample : 10L0699-BS1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 23:42 2010

Vial: 4
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 23:41:29 2010
Response via : Multiple Level Calibration





TIC: F9024.D

(31) CS15 1,2-Dichloroethane-D4 (S)

5.50min 54.13ug/L m

response 252619

Ion	Exp%	Act%
65.00	100	100
51.00	45.00	52.16
0.00	0.00	0.00
0.00	0.00	0.00

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

Matrix Spike

Laboratory: TestAmerica Buffalo | SDG: RTL0572

Client: PARS Environmental, Inc. | Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid | Laboratory ID: 10L0624-MS1 | File ID: F9016.D

Sampled: | Prepared: 12/08/10 10:55 | Analyzed: 12/08/10 19:15

Solids: 72.68 | Preparation: 5030B MS | Initial/Final: 5.15 g / 5 mL

Batch: 10L0624 | Sequence: T005584 | Calibration: R10L016 | Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.7	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	6.7	U
79-00-5	1,1,2-Trichloroethane	1	6.7	U
75-34-3	1,1-Dichloroethane	1	55.1	
75-35-4	1,1-Dichloroethene	1	62.7	
120-82-1	1,2,4-Trichlorobenzene	1	6.7	U
95-63-6	1,2,4-Trimethylbenzene	1	53.4	
96-12-8	1,2-Dibromo-3-chloropropane	1	6.7	U
106-93-4	1,2-Dibromoethane (EDB)	1	6.7	U
95-50-1	1,2-Dichlorobenzene	1	35.9	
107-06-2	1,2-Dichloroethane	1	49.6	
78-87-5	1,2-Dichloropropane	1	6.7	U
108-67-8	1,3,5-Trimethylbenzene	1	4.53	J
541-73-1	1,3-Dichlorobenzene	1	6.7	U
106-46-7	1,4-Dichlorobenzene	1	6.7	U
78-93-3	2-Butanone (MEK)	1	33	U
591-78-6	2-Hexanone	1	33	U
99-87-6	4-Isopropyltoluene	1	6.7	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	33	U
67-64-1	Acetone	1	20.9	J
71-43-2	Benzene	1	54.8	
75-27-4	Bromodichloromethane	1	6.7	U
75-25-2	Bromoform	1	6.7	U
74-83-9	Bromomethane	1	6.7	U
75-15-0	Carbon disulfide	1	6.7	U
56-23-5	Carbon Tetrachloride	1	6.7	U
108-90-7	Chlorobenzene	1	46.3	
124-48-1	Chlorodibromomethane	1	6.7	U
75-00-3	Chloroethane	1	6.7	U
67-66-3	Chloroform	1	6.7	U
74-87-3	Chloromethane	1	6.7	U
156-59-2	cis-1,2-Dichloroethene	1	53.1	
10061-01-5	cis-1,3-Dichloropropene	1	6.7	U
110-82-7	Cyclohexane	1	6.7	U
75-71-8	Dichlorodifluoromethane	1	6.7	U
100-41-4	Ethylbenzene	1	53.5	
98-82-8	Isopropylbenzene	1	2.38	J
79-20-9	Methyl Acetate	1	6.7	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

Matrix Spike

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0624-MS1	File ID:	F9016.D
Sampled:		Prepared:	12/08/10 10:55	Analyzed:	12/08/10 19:15
Solids:	72.68	Preparation:	5030B MS	Initial/Final:	5.15 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	51.9	
108-87-2	Methylcyclohexane	1	6.7	U
75-09-2	Methylene Chloride	1	24.9	
91-20-3	Naphthalene	1	283	E
104-51-8	n-Butylbenzene	1	6.7	U
103-65-1	n-Propylbenzene	1	6.7	U
135-98-8	sec-Butylbenzene	1	6.7	U
100-42-5	Styrene	1	6.7	U
98-06-6	tert-Butylbenzene	1	6.7	U
127-18-4	Tetrachloroethene	1	45.3	
108-88-3	Toluene	1	47.3	
156-60-5	trans-1,2-Dichloroethene	1	54.7	
10061-02-6	trans-1,3-Dichloropropene	1	6.7	U
79-01-6	Trichloroethene	1	51.3	
75-69-4	Trichlorofluoromethane	1	6.7	U
75-01-4	Vinyl chloride	1	6.7	U
1330-20-7	Xylenes, total	1	159	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	48.0	96	64 - 126	
4-Bromofluorobenzene	50.0	50.1	100	72 - 126	
Toluene-d8	50.0	52.4	105	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	394724	10.88	390973	10.88	
1,4-Difluorobenzene	744698	5.8	707306	5.8	
Chlorobenzene-d5	353582	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9016.D
Acq On : 8 Dec 2010 19:15
Sample : 10L0624-MS1
Misc : RTL0572-13MS
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:54:42 2010

Vial: 22
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00
Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.80	114	744698	50.00 ug/L	0.00 105.29%
42) CI20	Chlorobenzene-D5	8.59	82	353582	50.00 ug/L	0.00 102.71%
62) CI30	1,4-Dichlorobenzene-	10.88	152	394724	50.00 ug/L	0.00 100.96%
System Monitoring Compounds						
31) CS15	1,2-Dichloroethane-D	5.50	65	230269	47.99 ug/L	0.00
Spiked Amount	50.000	Range	64 - 126	Recovery =	95.98%	
43) CS05	Toluene-D8	7.13	98	1053402	52.39 ug/L	0.00
Spiked Amount	50.000	Range	71 - 125	Recovery =	104.78%	
61) CS10	p-Bromofluorobenzene	9.80	174	320328	50.14 ug/L	0.00
Spiked Amount	50.000	Range	72 - 126	Recovery =	100.28%	
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.	
3) C010	Chloromethane	0.00	50	0	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluorometha	0.00	101	0	N.D.	
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
9) C045	1,1-Dichloroethene	3.41	96	173078	46.93 ug/L	98
10) C030	Methylene chloride	3.82	84	80594	18.64 ug/L	94
11) C040	Carbon disulfide	3.63	76	1341	N.D.	
12) C036	Acrolein	0.00	56	0	N.D.	
13) C038	Acrylonitrile	3.97	53	4502	N.D.	
14) C035	Acetone	3.47	43	19177	15.61 ug/L	91
15) C300	Acetonitrile	3.82	41	4252	N.D.	
16) C276	Iodomethane	0.00	142	0	N.D.	
17) C255	Methyl Acetate	0.00	43	0	N.D.	
18) C962	T-butyl Methyl Ether	3.97	73	468006	38.82 ug/L	94
19) C057	trans-1,2-Dichloroet	4.01	96	200610	40.97 ug/L	80
20) C050	1,1-Dichloroethane	4.35	63	336973	41.28 ug/L	96
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroethe	4.81	96	220014	39.72 ug/L	84
24) C272	Tetrahydrofuran	0.00	42	0	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	5.06	83	468	N.D.	
27) C256	Cyclohexane	5.25	56	590	N.D.	
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.	
29) C120	Carbon tetrachloride	0.00	117	0	N.D.	
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.	
32) C165	Benzene	5.52	78	795193	41.06 ug/L	99
33) C065	1,2-Dichloroethane	5.56	62	217820	37.14 ug/L	94
34) C110	2-Butanone	4.81	43	5455	N.D.	

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9016.D
Acq On : 8 Dec 2010 19:15
Sample : 10L0624-MS1
Misc : RTL0572-13MS
MS Integration Params: RTEINT.P
Quant Time: Dec 08 19:54:42 2010

Vial: 22
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	6.05	95	191696	38.43 ug/L	76
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	6.19	83	806	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	504119	35.41 ug/L	93
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	7.72	83	2959	N.D.	
48)	C210	4-Methyl-2-pentanone	7.13	43	4518	N.D.	
49)	C220	Tetrachloroethene	7.73	166	211494	33.92 ug/L	91
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	7.90	43	1508	N.D.	
54)	C235	Chlorobenzene	8.62	112	554485	34.66 ug/L	88
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.68	91	1016704	40.05 ug/L	93
57)	C246	m,p-Xylene	8.80	106	828600	77.58 ug/L	92
58)	C247	o-Xylene	9.24	106	425349	41.38 ug/L #	71
59)	C245	Styrene	9.23	104	19329	1.20 ug/L #	1
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	9.58	105	45698	1.78 ug/L	91
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	10.07	53	3417	2.26 ug/L #	1
68)	C302	n-Propylbenzene	9.99	91	20139	N.D.	
69)	C303	O 2-Chlorotoluene	10.09	126	142	N.D.	
70)	C289	P 4-Chlorotoluene	10.09	126	142	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.15	105	77568	3.39 ug/L	84
72)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	931130	40.00 ug/L	96
74)	C308	sec-Butylbenzene	10.51	105	931130	32.26 ug/L	51
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	10.78	119	8568	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	11.24	146	348867	26.86 ug/L	94
79)	C310	n-Butylbenzene	11.11	91	80134	3.85 ug/L	65
80)	C286	1,2-Dibromo-3-Chloro	11.88	75	286	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.82	128	4077056	211.70 ug/L	96
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

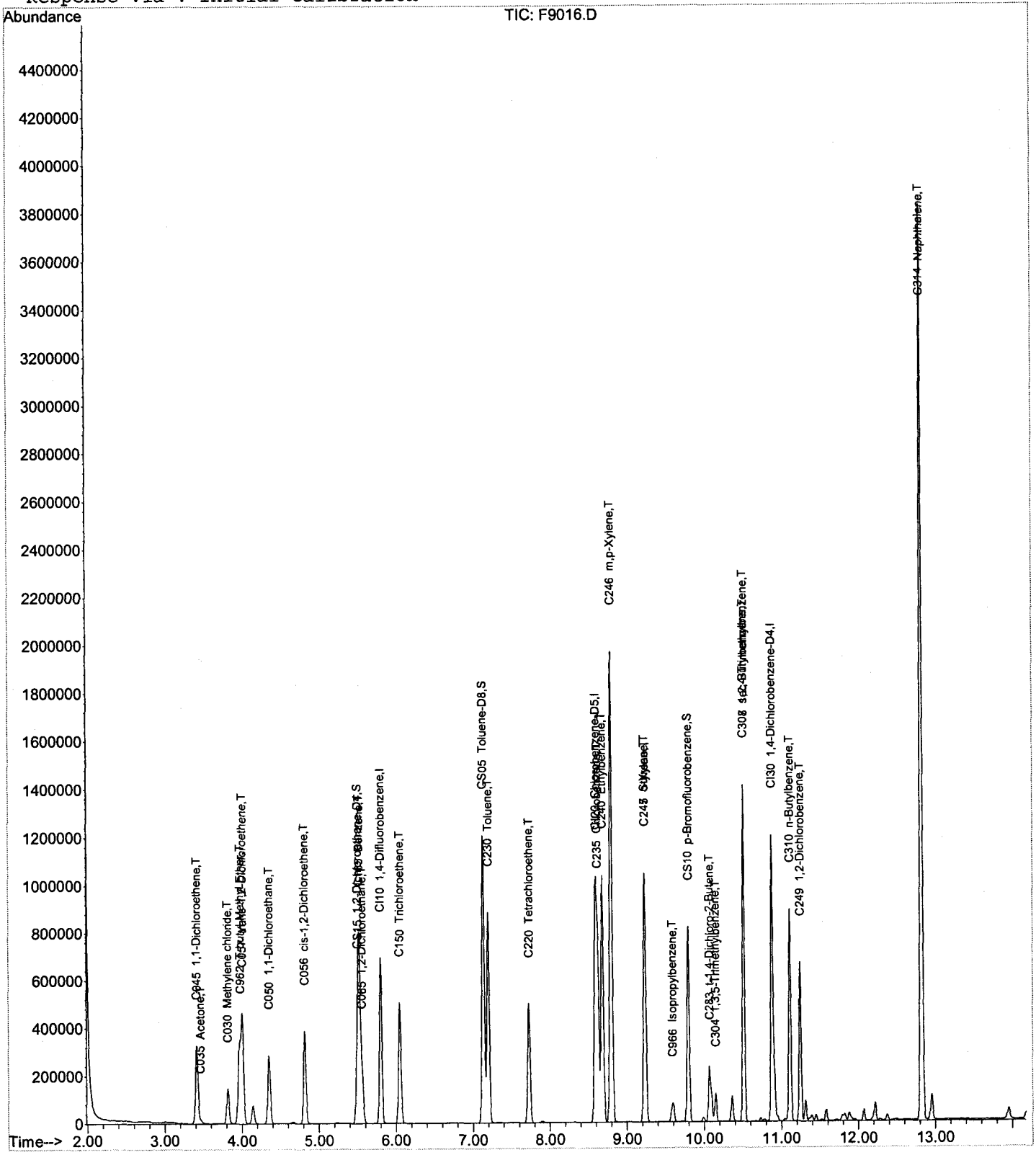
(#) = qualifier out of range (m) = manual integration

12/14/2010

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9016.D Vial: 22
Acq On : 8 Dec 2010 19:15 Operator: PJQ
Sample : 10L0624-MS1 Inst : HP5973F
Misc : RTL0572-13MS Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:51 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration



Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

Matrix Spike Dup

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0624-MSD1	File ID:	F9017.D
Sampled:		Prepared:	12/08/10 10:55	Analyzed:	12/08/10 19:41
Solids:	72.68	Preparation:	5030B MS	Initial/Final:	5.05 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.8	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluorethane	1	6.8	U
79-00-5	1,1,2-Trichloroethane	1	6.8	U
75-34-3	1,1-Dichloroethane	1	50.7	
75-35-4	1,1-Dichloroethene	1	55.3	
120-82-1	1,2,4-Trichlorobenzene	1	6.8	U
95-63-6	1,2,4-Trimethylbenzene	1	52.7	
96-12-8	1,2-Dibromo-3-chloropropane	1	6.8	U
106-93-4	1,2-Dibromoethane (EDB)	1	6.8	U
95-50-1	1,2-Dichlorobenzene	1	28.3	
107-06-2	1,2-Dichloroethane	1	45.1	
78-87-5	1,2-Dichloropropane	1	6.8	U
108-67-8	1,3,5-Trimethylbenzene	1	6.06	J
541-73-1	1,3-Dichlorobenzene	1	6.8	U
106-46-7	1,4-Dichlorobenzene	1	6.8	U
78-93-3	2-Butanone (MEK)	1	34	U
591-78-6	2-Hexanone	1	34	U
99-87-6	4-Isopropyltoluene	1	6.8	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	34	U
67-64-1	Acetone	1	23.6	J
71-43-2	Benzene	1	50.0	
75-27-4	Bromodichloromethane	1	6.8	U
75-25-2	Bromoform	1	6.8	U
74-83-9	Bromomethane	1	6.8	U
75-15-0	Carbon disulfide	1	6.8	U
56-23-5	Carbon Tetrachloride	1	6.8	U
108-90-7	Chlorobenzene	1	38.5	
124-48-1	Chlorodibromomethane	1	6.8	U
75-00-3	Chloroethane	1	6.8	U
67-66-3	Chloroform	1	6.8	U
74-87-3	Chloromethane	1	6.8	U
156-59-2	cis-1,2-Dichloroethene	1	47.1	
10061-01-5	cis-1,3-Dichloropropene	1	6.8	U
110-82-7	Cyclohexane	1	6.8	U
75-71-8	Dichlorodifluoromethane	1	6.8	U
100-41-4	Ethylbenzene	1	52.5	
98-82-8	Isopropylbenzene	1	3.34	J
79-20-9	Methyl Acetate	1	6.8	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

Matrix Spike Dup

Laboratory:	TestAmerica Buffalo		SDG:	RTL0572	
Client:	PARS Environmental, Inc.		Project:	NF Armed Forces Reserve Center Solids Testing	
Matrix:	Solid	Laboratory ID:	10L0624-MSD1	File ID:	F9017.D
Sampled:		Prepared:	12/08/10 10:55	Analyzed:	12/08/10 19:41
Solids:	72.68	Preparation:	5030B MS	Initial/Final:	5.05 g / 5 mL
Batch:	10L0624	Sequence:	T005584	Calibration:	R10L016
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
1634-04-4	Methyl tert-Butyl Ether	1	49.9	
108-87-2	Methylcyclohexane	1	6.8	U
75-09-2	Methylene Chloride	1	27.5	
91-20-3	Naphthalene	1	359	E
104-51-8	n-Butylbenzene	1	6.8	U
103-65-1	n-Propylbenzene	1	6.8	U
135-98-8	sec-Butylbenzene	1	6.8	U
100-42-5	Styrene	1	6.8	U
98-06-6	tert-Butylbenzene	1	6.8	U
127-18-4	Tetrachloroethene	1	36.8	
108-88-3	Toluene	1	42.9	
156-60-5	trans-1,2-Dichloroethene	1	47.1	
10061-02-6	trans-1,3-Dichloropropene	1	6.8	U
79-01-6	Trichloroethene	1	43.1	
75-69-4	Trichlorofluoromethane	1	6.8	U
75-01-4	Vinyl chloride	1	6.8	U
1330-20-7	Xylenes, total	1	156	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	47.0	94	64 - 126	
4-Bromofluorobenzene	50.0	49.5	99	72 - 126	
Toluene-d8	50.0	50.8	102	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	428256	10.88	390973	10.88	
1,4-Difluorobenzene	792191	5.81	707306	5.8	
Chlorobenzene-d5	378011	8.59	344253	8.59	

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9017.D
Acq On : 8 Dec 2010 19:41
Sample : 10L0624-MSD1
Misc : RTL0572-13MSD
MS Integration Params: RTEINT.P
Quant Time: Dec 08 20:00:18 2010

Vial: 23
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\120810\F8997.D (8 Dec 2010 10:57)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.81	114	792191	50.00 ug/L	0.00 112.00%
42) CI20	Chlorobenzene-D5	8.59	82	378011	50.00 ug/L	0.00 109.81%
62) CI30	1,4-Dichlorobenzene-	10.88	152	428256	50.00 ug/L	0.00 109.54%
System Monitoring Compounds						
31) CS15	1,2-Dichloroethane-D	5.50	65	239641	46.95 ug/L	0.00
Spiked Amount	50.000	Range 64 - 126		Recovery =	93.90%	
43) CS05	Toluene-D8	7.14	98	1092230	50.81 ug/L	0.00
Spiked Amount	50.000	Range 71 - 125		Recovery =	101.62%	
61) CS10	p-Bromofluorobenzene	9.80	174	338247	49.53 ug/L	0.00
Spiked Amount	50.000	Range 72 - 126		Recovery =	99.06%	
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.	
3) C010	Chloromethane	0.00	50	0	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluorometha	0.00	101	0	N.D.	
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
9) C045	1,1-Dichloroethene	3.42	96	159118	40.56 ug/L	98
10) C030	Methylene chloride	3.82	84	93017	20.22 ug/L	95
11) C040	Carbon disulfide	3.64	76	3190	N.D.	
12) C036	Acrolein	0.00	56	0	N.D.	
13) C038	Acrylonitrile	3.97	53	4675	N.D.	
14) C035	Acetone	3.48	43	22624	17.31 ug/L	97
15) C300	Acetonitrile	0.00	41	0	N.D.	
16) C276	Iodomethane	0.00	142	0	N.D.	
17) C255	Methyl Acetate	0.00	43	0	N.D.	
18) C962	T-butyl Methyl Ether	3.97	73	469329	36.60 ug/L	92
19) C057	trans-1,2-Dichloroet	4.01	96	179985	34.56 ug/L #	80
20) C050	1,1-Dichloroethane	4.36	63	323454	37.25 ug/L	97
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroethe	4.82	96	203610	34.55 ug/L	82
24) C272	Tetrahydrofuran	0.00	42	0	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	5.07	83	459	N.D.	
27) C256	Cyclohexane	0.00	56	0	N.D.	
28) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.	
29) C120	Carbon tetrachloride	0.00	117	0	N.D.	
30) C116	1,1-Dichloropropene	0.00	75	0	N.D.	
32) C165	Benzene	5.53	78	755378	36.67 ug/L	98
33) C065	1,2-Dichloroethane	5.56	62	206622	33.12 ug/L	94
34) C110	2-Butanone	4.81	43	7541	N.D.	

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

Quantitation Report

Data File : H:\GCMS_VOA\F\120810\F9017.D
Acq On : 8 Dec 2010 19:41
Sample : 10L0624-MSD1
Misc : RTL0572-13MSD
MS Integration Params: RTEINT.P
Quant Time: Dec 08 20:00:18 2010

Vial: 23
Operator: PJQ
Inst : HP5973F
Multiplr: 1.00

Quant Results File: R10L016.RES

Quant Method : C:\MSDCHEM\2...\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
35)	C150	Trichloroethene	6.05	95	167987	31.65 ug/L	76
36)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
37)	C012	Methylcyclohexane	6.18	83	983	N.D.	
38)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
39)	C278	Dibromomethane	0.00	93	0	N.D.	
40)	C130	Bromodichloromethane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
44)	C230	Toluene	7.20	92	479279	31.49 ug/L	91
45)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
46)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
47)	C160	1,1,2-Trichloroethan	7.73	83	2270	N.D.	
48)	C210	4-Methyl-2-pentanone	7.13	43	5249	N.D.	
49)	C220	Tetrachloroethene	7.73	166	179895	26.99 ug/L	93
50)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
51)	C155	Dibromochloromethane	0.00	129	0	N.D.	
52)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
53)	C215	2-Hexanone	7.73	43	310	N.D.	
54)	C235	Chlorobenzene	8.63	112	483801	28.29 ug/L	88
55)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
56)	C240	Ethylbenzene	8.68	91	1045383	38.51 ug/L	92
57)	C246	m,p-Xylene	8.80	106	830568	72.74 ug/L	93
58)	C247	o-Xylene	9.24	106	456056	41.50 ug/L #	73
59)	C245	Styrene	9.23	104	21136	1.22 ug/L #	1
60)	C180	Bromoform	0.00	173	0	N.D.	
63)	C966	Isopropylbenzene	9.58	105	68299	2.45 ug/L	96
64)	C301	Bromobenzene	0.00	156	0	N.D.	
65)	C225	1,1,2,2-Tetrachloroe	10.02	83	1114	N.D.	
66)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
67)	C283	t-1,4-Dichloro-2-But	10.02	53	1183	N.D.	
68)	C302	n-Propylbenzene	9.99	91	26511	N.D.	
69)	C303	O 2-Chlorotoluene	10.09	126	351	N.D.	
70)	C289	P 4-Chlorotoluene	10.28	126	463	N.D.	
71)	C304	1,3,5-Trimethylbenze	10.15	105	110388	4.45 ug/L	84
72)	C306	tert-Butylbenzene	10.66	134	139	N.D.	
73)	C307	1,2,4-Trimethylbenze	10.51	105	977189	38.69 ug/L	97
74)	C308	sec-Butylbenzene	10.51	105	977189	31.21 ug/L	51
75)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
76)	C309	p-Cymene (4-Isopropy	10.78	119	11239	N.D.	
77)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
78)	C249	1,2-Dichlorobenzene	11.24	146	293305	20.81 ug/L	95
79)	C310	n-Butylbenzene	11.11	91	125425	5.55 ug/L	59
80)	C286	1,2-Dibromo-3-Chloro	11.90	75	825	N.D.	
81)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
82)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
83)	C314	Naphthalene	12.83	128	5504688	263.45 ug/L	96
84)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

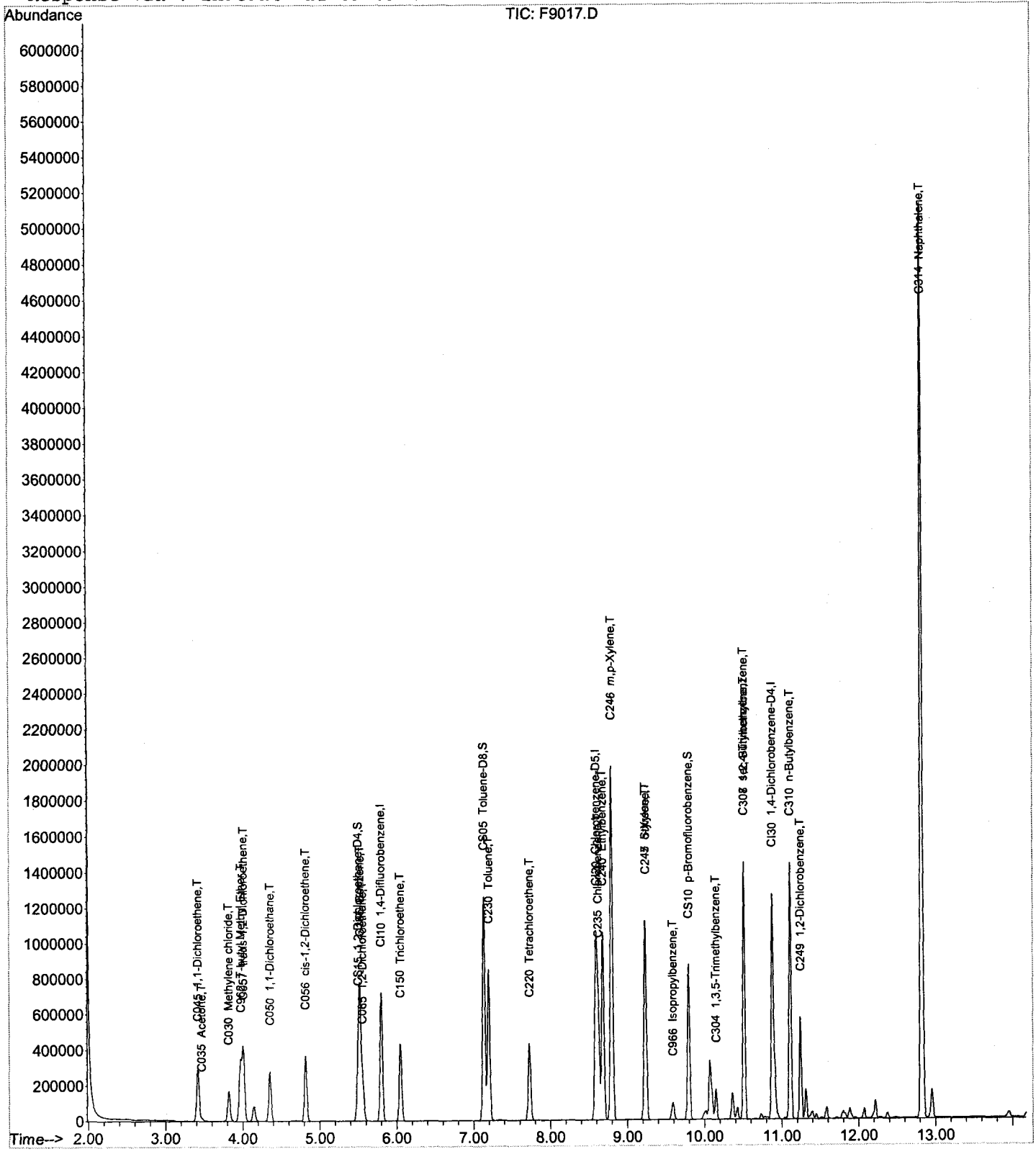
(#) = qualifier out of range (m) = manual integration

12/14/2010

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\120810\F9017.D Vial: 23
Acq On : 8 Dec 2010 19:41 Operator: PJQ
Sample : 10L0624-MSD1 Inst : HP5973F
Misc : RTL0572-13MSD Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 19:56 2010 Quant Results File: R10L016.RES

Method : C:\MSDCHEM\2\METHODS\F8260\R10L016.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Dec 08 19:25:32 2010
Response via : Initial Calibration



HOLDING TIME SUMMARY

8260B

Laboratory: TestAmerica Buffalo SDG: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SP-1-5-7	12/06/10 09:05	12/06/10 17:15	12/08/10 10:55	2	14	12/08/10 13:44	2	14	
SP-2-6-8	12/06/10 09:40	12/06/10 17:15	12/08/10 22:49	2	14	12/09/10 00:02	3	14	
SP-3-4-6	12/06/10 10:10	12/06/10 17:15	12/08/10 10:55	2	14	12/08/10 14:35	2	14	
SP-4-2-4	12/06/10 10:40	12/06/10 17:15	12/08/10 10:55	2	14	12/08/10 15:00	2	14	
SP-5-2-4	12/06/10 11:50	12/06/10 17:15	12/08/10 10:55	2	14	12/08/10 15:26	2	14	
SP-6-2-4	12/06/10 12:20	12/06/10 17:15	12/08/10 10:55	2	14	12/08/10 15:51	2	14	
SP-7-4-6	12/06/10 12:40	12/06/10 17:15	12/08/10 10:55	2	14	12/08/10 16:17	2	14	
SP-8-4-6	12/06/10 13:00	12/06/10 17:15	12/08/10 10:55	2	14	12/08/10 16:42	2	14	
SP-9-2-4	12/06/10 13:40	12/06/10 17:15	12/08/10 10:55	2	14	12/08/10 17:08	2	14	
SP-10-2-4	12/06/10 14:15	12/06/10 17:15	12/08/10 10:55	2	14	12/08/10 17:33	2	14	
SP-11-2-4	12/06/10 14:35	12/06/10 17:15	12/08/10 10:55	2	14	12/08/10 17:59	2	14	
DUP-1	12/06/10 00:00	12/06/10 17:15	12/08/10 10:55	2	14	12/08/10 18:24	2	14	
SP-12-6-10	12/06/10 15:20	12/06/10 17:15	12/08/10 10:55	2	14	12/08/10 18:50	2	14	

* Indicates a Holding Time violation.

TestAmerica Buffalo

VOLATILE SOIL WEIGHT LOG

Logbook #: A10-04-06

Initials	Date Prepared (& removed from cooler)	Time Prepared (Encores Only)	Work Order #	Sample ID	Tare Weight (g)	Weight (g)	GV	MV	Low Level	Medium Level	MeOH Lot#	Surrogate ID	Surrogate Volume Added (ml)	Spike ID	Spike Volume Added (ml)	Comments
PR	12/7/10	—	RTL0522	05MS	—	5.01		X	X							
				05SD		5.10		X	X							
			RTL0571	01D	31.047	6.49		X	X							
				02D	30.625	7.27		X	X							
PR	12/8/10		RTL0522	05		5.00		X	X							
			RTL0578	01		~~5.13~~ 0.70		X	X							
			RTL0572	01		5.13		X	X							
				02		0.50		X	X							
				03		5.05		X	X							
				04		5.08		X	X							
				05		5.00		X	X							
				06		5.02		X	X							
				07		5.14		X	X							
				08		5.06		X	X							
				09		5.05		X	X							
				10		5.11		X	X							
				11		5.04		X	X							
				12		5.04		X	X							
				13		5.03		X	X							
				13MS		5.15		X	X							

37/41158

Reviewed By: 000104 Date:

TestAmerica Buffalo

VOLATILE SOIL WEIGHT LOG

000105

Logbook #: A10-04-06

Initials	Date Prepared (& removed from cooler)	Time Prepared (Encores Only)	Work Order #	Sample ID	Tare Weight (g)	Weight (g)	GV	MV	Low Level	Medium Level	MeOH Lot#	Surrogate ID	Surrogate Volume Added (ml)	Spike ID	Spike Volume Added (ml)	Comments
PA	12/8/10	—	RTL 0572	13 SD	T	5.05		X	X							
L	L	L	RTL 0578	01	I	5.01		X	X							
DK	12/8/10	↓	RTL0629	01	28.171	6.009		X		X						Terra
↓	↓	↓	↓	02	28.344	5.24		↓		↓						
↓	↓	↓	↓	03	28.275	5.925		↓		↓						
↓	↓	↓	↓	04	28.222	6.14		↓		↓						
↓	↓	↓	RTL0571	01	28.21	5.37		↓		↓						
PA	12/8/10	T	RTL 0630	01	T	5.11		X	X							
↓	↓	↓	↓	02	↓	5.06		X	X							
↓	↓	↓	↓	03	↓	5.01		X	X							
↓	↓	↓	↓	04	↓	5.11		X	X							
↓	↓	↓	↓	05	↓	5.00		X	X							
↓	↓	↓	↓	06	↓	5.14		X	X							
↓	↓	↓	RTL 0614	01	↓	5.03		X	X							
↓	↓	↓	↓	02	↓	5.11		X	X							
↓	↓	↓	↓	03	↓	0.63		X	X							
↓	↓	↓	↓	04	↓	5.07		X	X							
↓	↓	↓	↓	05	↓	5.06		X	X							
↓	↓	↓	↓	06	↓	0.53		X	X							

VOLATILE SOIL WEIGHT LOG

Logbook #: A10-04-06

Initials	Date Prepared (& removed from cooler)	Time Prepared (Encores Only)	Work Order #	Sample ID	Tare Weight (g)	Weight (g)	GV	MV	Low Level	Medium Level	MeOH Lot#	Surrogate ID	Surrogate Volume Added (ml)	Spike ID	Spike Volume Added (ml)	Comments
PC	12/8/10	~~RTL 0614~~ PC 12/8/10 ADL	~~RTL0614 0654~~	~~05~~ 05 SD		5.14		X	X							
			RTL 0623	01		5.10		X	X							
				02		5.13		X	X							
				03		5.03		X	X							
				04		5.06		X	X							
				05		5.02		X	X							
				06		5.00		X	X							
				07		5.05		X	X							
				08		5.13		X	X							
				09		5.02		X	X							
				10		5.10		X	X							
				10MS		5.08		X	X							
				10SD		5.06		X	X							
				13		5.05		X	X							
DL	12/8/10	—	RTL0572	07	—	5.16		X	X							
PC	12/9/10	—	RTL 0478	04		5.05		X	X							
				10		5.06		X	X							
				11		5.00		X	X							
				12		5.02		X	X							
			RTL 0375	16	—	—		X	X							ALREADY PREPARED

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000106

Reviewed By: _____ Date: _____

GC/MS VOLATILE INJECTION LOG

Logbook # A10-04-08
Rev. 1, 11/09

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
12/3/10	0030	AR	F8920	IBLK	IBLK	5mL	5.00	
	0055		F8921	IBLK per RT4/10			5.00	
	0120		F8922	RT14727-1462-08	10412		5.00	
	0145		F8923	-09			5.00	
	0211		F8924	11			5.00	
12/3/10	—	AR	F8925	TOOSS10-TUN1	QC	1uL		
	—		F8926	TOOSS10-CCV1 (NG)		5mL	5.00	
12/4/10	1608	AR	F8927	TOOSS22-TUN1	QC	1uL		
	1632		F8928	IBLK	IBLK	5mL	5.00	
	1658		F8929	- CAL1	ICAL		5.00	
	1724		F8930	- CAL2			5.00	
	1750		F8931	- CAL3			5.00	
	1816		F8932	- CAL4			5.00	
	1841		F8933	- CAL5			5.00	
	1907		F8934	IBLK	IBLK		5.00	
	1932		F8935	- CAL6	ANALICAL		5.00	
	1957		F8936	- CAL7			5.00	
	2023		F8937	- CAL8			5.00	
	2048		F8938	- CAL9			5.00	
	2114		F8939	- CALA			5.00	
	2139		F8940	IBLK	IBLK		5.00	
	8201		F8941	- SCV1	SSVERIF.		5.00	

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GC/MS VOLATILE INJECTION LOG

Logbook # A10-04-08
Rev 1, 11/09

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
	RT14710/720			
				VHA's
RT12585				PASS
				NG CCV1 SOURCE
RT12585				PASS
	RT14710/720			
RT14795				
RT14796				
RT14797				P180 SOIL
RT14798				(R10L016)
RT14799				
RT14800				
RT14801				
RT14802				AQ SW8260 SOIL
RT14803				(R10L016 AQ)
RT14804				
RT14794				

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GC/MS VOLATILE INJECTION LOG

Logbook # A10-04-08
Rev. 1, 11/09

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
12/7/10	1934	PR	F8986	RTL0571-02	L0571	5uL	7.27	
	1959		F8987	01	↓		6.49	
	2035		F8988	10L0502-MS1	L0522-05		5.01	
	2050		F8989	-MSD1	↓		5.10	
	2116		F8990	IBLK	IBLK		5.00	
	2141		F8991	EBLK	↓		5.00	
	2207		F8992	IBLK			5.00	
	2232		F8993	RTK1670-08	K1670		5.00	
	2257		F8994	09	↓		5.00	
	2323	↓	F8995	11	↓	↓	5.00	↓
12/8/10	1032	PR	F8996	T005584-TUN1	QC	1uL		—
	1057	↓	F8997	T005584-CCV1	↓	5uL	5.00	—
	1130		F8998	T005584-CCV2			5.00	—
	1156		F8999	10L0625-BS1			5.00	—
375/1158	1221		F9000	10L0625-BLK1	↓		5.00	—
	1253		F9001	RTL0522-05	L0522		5.00	
	1319		F9002	RTL0578-01	L0578		0.70	
	1344		F9003	RTL0572-01	L0572		5.13	
	1409		F9004	02	↓		0.50	
	1435		F9005	03			5.05	
	1500		F9006	04			5.08	
	1526		F9007	05			5.00	
	1551		F9008	06			5.02	
	1617		F9009	07			5.14	
	1642		F9010	08			5.06	
	1708		F9011	09			5.05	
	1733		F9012	10			5.11	
	1759		F9013	11			5.04	
	1824		F9014	12			5.04	
	1850		F9015	13			5.03	
	1915		F9016	10L0624-MS1	-13		5.15	
	1941		F9017	-MSD1	-13		5.05	
	2006		F9018	IBLK	IBLK		5.00	
	2032	↓	F9019	RTL0578-01	L0578	↓	5.01	
12/8/10	2049	QC	F9020	T005555-TUN1	QC	1uL		—
	—		F9021	-CCV1 (B)		5uL	5.00	
	2152		F9022	-CCV1			5.00	
	2234	↓	F9023	-CCV2	↓	↓	5.00	↓

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GC/MS VOLATILE INJECTION LOG

Logbook # A10-04-08
Rev 1, 11/09

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
	RT14718/720	Y		RA RE1 ML
RT14868				Not used -CO
				VHB's
RT14907	RT14718/720			PASS
RT14865				SOIL (R10L016)
RT14831				ADD (R10L016-ADD)
RT13428				
		Y		1µm RA Sym
		Y		1µm RA Sym
RT13428				
RT14907				PASS
RT14865	RT14718/720			8260 Soil (R10L016)
RT14865				A08260 Soil (R10L016)
RT14831				ADD

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GC/MS VOLATILE INJECTION LOG

Logbook # A10-04-08
Rev. 1, 11/09

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
12/8/10	2359	CTL	F9034	IOL 0699 · BS1	QC	5 uL	5.00	—
↓	2355		F9035	↓ · BSD1	↓		5.00	
12/9/10	0002		F9036	RTL0572 · 02	L0572		5.16	
	0027		F9037	RTL0630 · 01	L0630		5.11	
	0053		F9038	· 02			5.06	
	0119		F9039	· 03			5.01	
	0144		F9040	· 04			5.11	
	0210		F9041	· 05			5.00	
	0235		F9042	· 06			5.14	
	0300		F9043	RTL0614 · 01	L0614		5.03	
	0325		F9044	· 02			5.11	
	0351		F9045	· 03			.63	
	0416		F9046	· 04			5.01	
	0441		F9047	· 05			5.06	
	0507		F9048	· 06			.53	
	0532		F9049	RTL0633 · 01	L0633		5.10	
	0558		F9050	· 02			5.13	
	0623		F9051	· 03			5.03	
	0648		F9052	· 04			5.06	
	0714		F9053	IOL 0699 · MS1	L0614MS		5.09	
	0739		F9054	↓ · MSD1	↓		5.14	

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GC/MS VOLATILE INJECTION LOG

Logbook # A10-04-08
Rev 1, 11/09

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
CM 12/8/10 RT14837 RT13428	RT14718720	—	—	
		Y		RAMLRE1
		Y		↓
		Y		
		Y		RASS C.O.
		Y		RAMLRE1
		Y		RAMLRE1
CM 12/8/10 RT14831 RT13428 ↓ L				

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Volatile Organic Example Calculation

METHOD 8260/624/OLM04.3

Aqueous Matrix

$$\frac{\text{Amt (ug/L)} \times \text{DF}}{} = \text{ug/l}$$

Amt = ug/L on column
DF=Dilution Factor (no units)

METHOD 8260/OLM04.3

Medium-Level Soil Matrix

$$\frac{\text{Amt (UG/L} \times \text{DF} \times \text{FV}}{\text{SW} \times \text{DDW} \times \text{inj Vol}} \times 1000 = \text{ug/kg}$$

Amt = Amount on column (ug/L x 5 =ng)
DF=Dilution Factor (no units)
FV= Final Volume (ml) (FV /50)
Inj Vol= injection volume(ul)
SW = Sample Weight (g)
DDW = Decimal Dry Weight (no units, dry wgt/100)

METHOD 8260/OLM04.3

Low-Level Soil Matrix

$$\frac{\text{Amt (ng)} \times \text{DF}}{\text{SW} \times \text{DDW}} = \text{ug/kg}$$

Amt = ng on column
DF=Dilution Factor (no units)
SW = Sample Weight (g)
DDW = Decimal Dry Weight (no units, dry wgt/100)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Buffalo

SDG: RTL0572

CLASS: SVOA

METHOD: 8270C

ANALYSES DATA PACKAGE COVER PAGE

8270C

Laboratory: TestAmerica Buffalo

SDG: RTL0572

Client: PARS Environmental, Inc.

Project: NF Armed Forces Reserve Center Solids Testing

Client Sample Id:	Lab Sample Id:
SP-1-5-7	RTL0572-01
SP-2-6-8	RTL0572-02
SP-3-4-6	RTL0572-03
SP-4-2-4	RTL0572-04
SP-5-2-4	RTL0572-05
SP-6-2-4	RTL0572-06
SP-7-4-6	RTL0572-07
SP-8-4-6	RTL0572-08
SP-9-2-4	RTL0572-09
SP-10-2-4	RTL0572-10
SP-11-2-4	RTL0572-11
DUP-1	RTL0572-12
SP-12-6-10	RTL0572-13

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005571	Instrument:	HP5973X
Matrix:	Solid	Calibration:	R10K083

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Matrix Spike (10L0497-MS1)			Lab File ID: X5304.D		Analyzed: 12/07/10 22:50			
2,4,6-Tribromophenol	6820	104	39 - 146	10.49	10.7	-0.2100	+/-1.0	
2-Fluorobiphenyl	4550	79	37 - 120	8.82	9.045	-0.2250	+/-1.0	
2-Fluorophenol	6820	61	18 - 120	4.34	4.705	-0.3650	+/-1.0	
Nitrobenzene-d5	4550	71	34 - 132	6.68	6.92	-0.2400	+/-1.0	
Phenol-d5	6820	68	11 - 120	5.58	5.835	-0.2550	+/-1.0	
p-Terphenyl-d14	4550	85	58 - 147	12.68	12.89	-0.2100	+/-1.0	
Matrix Spike Dup (10L0497-MSD1)			Lab File ID: X5305.D		Analyzed: 12/07/10 23:13			
2,4,6-Tribromophenol	6810	88	39 - 146	10.49	10.7	-0.2100	+/-1.0	
2-Fluorobiphenyl	4540	64	37 - 120	8.82	9.045	-0.2250	+/-1.0	
2-Fluorophenol	6810	54	18 - 120	4.34	4.705	-0.3650	+/-1.0	
Nitrobenzene-d5	4540	61	34 - 132	6.68	6.92	-0.2400	+/-1.0	
Phenol-d5	6810	59	11 - 120	5.58	5.835	-0.2550	+/-1.0	
p-Terphenyl-d14	4540	74	58 - 147	12.68	12.89	-0.2100	+/-1.0	
SP-5-2-4 (RTL0572-05)			Lab File ID: X5313.D		Analyzed: 12/08/10 02:17			
2,4,6-Tribromophenol	8280	96	39 - 146	10.49	10.7	-0.2100	+/-1.0	
2-Fluorobiphenyl	5520	91	37 - 120	8.82	9.045	-0.2250	+/-1.0	
2-Fluorophenol	8280	74	18 - 120	4.34	4.705	-0.3650	+/-1.0	
Nitrobenzene-d5	5520	77	34 - 132	6.68	6.92	-0.2400	+/-1.0	
Phenol-d5	8280	84	11 - 120	5.57	5.835	-0.2650	+/-1.0	
p-Terphenyl-d14	5520	91	58 - 147	12.68	12.89	-0.2100	+/-1.0	
SP-8-4-6 (RTL0572-08)			Lab File ID: X5316.D		Analyzed: 12/08/10 03:26			
2,4,6-Tribromophenol	6090	107	39 - 146	10.49	10.7	-0.2100	+/-1.0	
2-Fluorobiphenyl	4060	82	37 - 120	8.82	9.045	-0.2250	+/-1.0	
2-Fluorophenol	6090	70	18 - 120	4.34	4.705	-0.3650	+/-1.0	
Nitrobenzene-d5	4060	80	34 - 132	6.68	6.92	-0.2400	+/-1.0	
Phenol-d5	6090	78	11 - 120	5.58	5.835	-0.2550	+/-1.0	
p-Terphenyl-d14	4060	86	58 - 147	12.68	12.89	-0.2100	+/-1.0	
SP-11-2-4 (RTL0572-11)			Lab File ID: X5319.D		Analyzed: 12/08/10 04:35			
2,4,6-Tribromophenol	6440	112	39 - 146	10.49	10.7	-0.2100	+/-1.0	
2-Fluorobiphenyl	4290	84	37 - 120	8.82	9.045	-0.2250	+/-1.0	
2-Fluorophenol	6440	75	18 - 120	4.34	4.705	-0.3650	+/-1.0	
Nitrobenzene-d5	4290	86	34 - 132	6.68	6.92	-0.2400	+/-1.0	
Phenol-d5	6440	84	11 - 120	5.58	5.835	-0.2550	+/-1.0	
p-Terphenyl-d14	4290	89	58 - 147	12.68	12.89	-0.2100	+/-1.0	

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005571	Instrument:	HP5973X
Matrix:	Solid	Calibration:	R10K083

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
DUP-1 (RTL0572-12)			Lab File ID: X5320.D		Analyzed: 12/08/10 04:58			
2,4,6-Tribromophenol	5470	105	39 - 146	10.49	10.7	-0.2100	+/-1.0	
2-Fluorobiphenyl	3650	76	37 - 120	8.82	9.045	-0.2250	+/-1.0	
2-Fluorophenol	5470	66	18 - 120	4.34	4.705	-0.3650	+/-1.0	
Nitrobenzene-d5	3650	75	34 - 132	6.68	6.92	-0.2400	+/-1.0	
Phenol-d5	5470	74	11 - 120	5.58	5.835	-0.2550	+/-1.0	
p-Terphenyl-d14	3650	84	58 - 147	12.68	12.89	-0.2100	+/-1.0	
SP-12-6-10 (RTL0572-13)			Lab File ID: X5321.D		Analyzed: 12/08/10 05:21			
2,4,6-Tribromophenol	6800	112	39 - 146	10.49	10.7	-0.2100	+/-1.0	
2-Fluorobiphenyl	4530	80	37 - 120	8.82	9.045	-0.2250	+/-1.0	
2-Fluorophenol	6800	67	18 - 120	4.34	4.705	-0.3650	+/-1.0	
Nitrobenzene-d5	4530	76	34 - 132	6.68	6.92	-0.2400	+/-1.0	
Phenol-d5	6800	76	11 - 120	5.58	5.835	-0.2550	+/-1.0	
p-Terphenyl-d14	4530	87	58 - 147	12.68	12.89	-0.2100	+/-1.0	

* Values outside of QC limits

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005571	Instrument:	HP5973X
Matrix:	Solid	Calibration:	R10K083

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (10L0497-BLK1)			Lab File ID: X5302.D		Analyzed: 12/07/10 22:04			
2,4,6-Tribromophenol	4880	90	39 - 146	10.49	10.7	-0.2100	+/-1.0	
2-Fluorobiphenyl	3250	76	37 - 120	8.82	9.045	-0.2250	+/-1.0	
2-Fluorophenol	4880	65	18 - 120	4.34	4.705	-0.3650	+/-1.0	
Nitrobenzene-d5	3250	75	34 - 132	6.68	6.92	-0.2400	+/-1.0	
Phenol-d5	4880	72	11 - 120	5.58	5.835	-0.2550	+/-1.0	
p-Terphenyl-d14	3250	81	58 - 147	12.68	12.89	-0.2100	+/-1.0	
LCS (10L0497-BS1)			Lab File ID: X5303.D		Analyzed: 12/07/10 22:27			
2,4,6-Tribromophenol	4900	106	39 - 146	10.49	10.7	-0.2100	+/-1.0	
2-Fluorobiphenyl	3260	86	37 - 120	8.82	9.045	-0.2250	+/-1.0	
2-Fluorophenol	4900	75	18 - 120	4.34	4.705	-0.3650	+/-1.0	
Nitrobenzene-d5	3260	85	34 - 132	6.68	6.92	-0.2400	+/-1.0	
Phenol-d5	4900	83	11 - 120	5.58	5.835	-0.2550	+/-1.0	
p-Terphenyl-d14	3260	91	58 - 147	12.68	12.89	-0.2100	+/-1.0	

* Values outside of QC limits

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005575	Instrument:	HP5973X
Matrix:	Solid	Calibration:	R10K083

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SP-1-5-7 (RTL0572-01)			Lab File ID: X5330.D		Analyzed: 12/08/10 10:24			
2,4,6-Tribromophenol	5470	123	39 - 146	10.48	10.7	-0.2200	+/-1.0	
2-Fluorobiphenyl	3650	92	37 - 120	8.81	9.045	-0.2350	+/-1.0	
2-Fluorophenol	5470	79	18 - 120	4.33	4.705	-0.3750	+/-1.0	
Nitrobenzene-d5	3650	94	34 - 132	6.67	6.92	-0.2500	+/-1.0	
Phenol-d5	5470	88	11 - 120	5.57	5.835	-0.2650	+/-1.0	
p-Terphenyl-d14	3650	87	58 - 147	12.68	12.89	-0.2100	+/-1.0	
SP-2-6-8 (RTL0572-02)			Lab File ID: X5331.D		Analyzed: 12/08/10 10:46			
2,4,6-Tribromophenol	6130	115	39 - 146	10.48	10.7	-0.2200	+/-1.0	
2-Fluorobiphenyl	4090	91	37 - 120	8.81	9.045	-0.2350	+/-1.0	
2-Fluorophenol	6130	79	18 - 120	4.32	4.705	-0.3850	+/-1.0	
Nitrobenzene-d5	4090	89	34 - 132	6.67	6.92	-0.2500	+/-1.0	
Phenol-d5	6130	87	11 - 120	5.56	5.835	-0.2750	+/-1.0	
p-Terphenyl-d14	4090	84	58 - 147	12.68	12.89	-0.2100	+/-1.0	
SP-3-4-6 (RTL0572-03)			Lab File ID: X5332.D		Analyzed: 12/08/10 11:09			
2,4,6-Tribromophenol	6560	120	39 - 146	10.48	10.7	-0.2200	+/-1.0	
2-Fluorobiphenyl	4380	85	37 - 120	8.81	9.045	-0.2350	+/-1.0	
2-Fluorophenol	6560	76	18 - 120	4.32	4.705	-0.3850	+/-1.0	
Nitrobenzene-d5	4380	88	34 - 132	6.67	6.92	-0.2500	+/-1.0	
Phenol-d5	6560	84	11 - 120	5.57	5.835	-0.2650	+/-1.0	
p-Terphenyl-d14	4380	84	58 - 147	12.68	12.89	-0.2100	+/-1.0	
SP-4-2-4 (RTL0572-04)			Lab File ID: X5333.D		Analyzed: 12/08/10 11:32			
2,4,6-Tribromophenol	6300	95	39 - 146	10.48	10.7	-0.2200	+/-1.0	
2-Fluorobiphenyl	4200	87	37 - 120	8.81	9.045	-0.2350	+/-1.0	
2-Fluorophenol	6300	71	18 - 120	4.32	4.705	-0.3850	+/-1.0	
Nitrobenzene-d5	4200	79	34 - 132	6.67	6.92	-0.2500	+/-1.0	
Phenol-d5	6300	81	11 - 120	5.56	5.835	-0.2750	+/-1.0	
p-Terphenyl-d14	4200	82	58 - 147	12.67	12.89	-0.2200	+/-1.0	
SP-6-2-4 (RTL0572-06)			Lab File ID: X5334.D		Analyzed: 12/08/10 11:55			
2,4,6-Tribromophenol	6820	119	39 - 146	10.48	10.7	-0.2200	+/-1.0	
2-Fluorobiphenyl	4550	86	37 - 120	8.81	9.045	-0.2350	+/-1.0	
2-Fluorophenol	6820	69	18 - 120	4.32	4.705	-0.3850	+/-1.0	
Nitrobenzene-d5	4550	83	34 - 132	6.67	6.92	-0.2500	+/-1.0	
Phenol-d5	6820	81	11 - 120	5.56	5.835	-0.2750	+/-1.0	
p-Terphenyl-d14	4550	84	58 - 147	12.68	12.89	-0.2100	+/-1.0	

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005575	Instrument:	HP5973X
Matrix:	Solid	Calibration:	R10K083

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SP-7-4-6 (RTL0572-07)			Lab File ID: X5335.D		Analyzed: 12/08/10 12:18			
2,4,6-Tribromophenol	6170	123	39 - 146	10.48	10.7	-0.2200	+/-1.0	
2-Fluorobiphenyl	4120	91	37 - 120	8.81	9.045	-0.2350	+/-1.0	
2-Fluorophenol	6170	78	18 - 120	4.32	4.705	-0.3850	+/-1.0	
Nitrobenzene-d5	4120	91	34 - 132	6.67	6.92	-0.2500	+/-1.0	
Phenol-d5	6170	87	11 - 120	5.57	5.835	-0.2650	+/-1.0	
p-Terphenyl-d14	4120	85	58 - 147	12.68	12.89	-0.2100	+/-1.0	
SP-9-2-4 (RTL0572-09)			Lab File ID: X5336.D		Analyzed: 12/08/10 12:41			
2,4,6-Tribromophenol	6290	120	39 - 146	10.48	10.7	-0.2200	+/-1.0	
2-Fluorobiphenyl	4190	83	37 - 120	8.81	9.045	-0.2350	+/-1.0	
2-Fluorophenol	6290	67	18 - 120	4.32	4.705	-0.3850	+/-1.0	
Nitrobenzene-d5	4190	78	34 - 132	6.67	6.92	-0.2500	+/-1.0	
Phenol-d5	6290	75	11 - 120	5.56	5.835	-0.2750	+/-1.0	
p-Terphenyl-d14	4190	87	58 - 147	12.68	12.89	-0.2100	+/-1.0	
SP-10-2-4 (RTL0572-10)			Lab File ID: X5337.D		Analyzed: 12/08/10 13:04			
2,4,6-Tribromophenol	6120	114	39 - 146	10.48	10.7	-0.2200	+/-1.0	
2-Fluorobiphenyl	4080	76	37 - 120	8.81	9.045	-0.2350	+/-1.0	
2-Fluorophenol	6120	62	18 - 120	4.32	4.705	-0.3850	+/-1.0	
Nitrobenzene-d5	4080	70	34 - 132	6.67	6.92	-0.2500	+/-1.0	
Phenol-d5	6120	71	11 - 120	5.56	5.835	-0.2750	+/-1.0	
p-Terphenyl-d14	4080	82	58 - 147	12.68	12.89	-0.2100	+/-1.0	

* Values outside of QC limits

Form 3

LCS / LCS DUPLICATE RECOVERY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT11009
Batch:	10L0497	Laboratory ID:	10L0497-BS1
Preparation:	3550B MB	Initial/Final:	30.64 g / 1 mL

COMPOUND	SPIKE ADDED	UNITS	LCS CONCENTRATION	LCS % REC. #	QCLIMITS REC.
2,2'-Oxybis(1-Chloropropane)		ug/kg wet	ND		44 - 120
2,4,5-Trichlorophenol		ug/kg wet	ND		59 - 126
2,4,6-Trichlorophenol		ug/kg wet	ND		59 - 123
2,4-Dichlorophenol		ug/kg wet	ND		52 - 120
2,4-Dimethylphenol		ug/kg wet	ND		36 - 120
2,4-Dinitrophenol		ug/kg wet	ND		35 - 146
2,4-Dinitrotoluene	3260	ug/kg wet	2950	90	55 - 125
2,6-Dinitrotoluene		ug/kg wet	ND		66 - 128
2-Chloronaphthalene		ug/kg wet	ND		57 - 120
2-Chlorophenol	3260	ug/kg wet	2260	69	38 - 120
2-Methylnaphthalene		ug/kg wet	ND		47 - 120
2-Methylphenol		ug/kg wet	ND		48 - 120
2-Nitroaniline		ug/kg wet	ND		61 - 130
2-Nitrophenol		ug/kg wet	ND		50 - 120
3,3'-Dichlorobenzidine		ug/kg wet	ND		48 - 126
3-Nitroaniline		ug/kg wet	ND		61 - 127
4,6-Dinitro-2-methylphenol		ug/kg wet	ND		49 - 155
4-Bromophenyl phenyl ether		ug/kg wet	ND		58 - 131
4-Chloro-3-methylphenol	3260	ug/kg wet	2860	88	49 - 125
4-Chloroaniline		ug/kg wet	ND		49 - 120
4-Chlorophenyl phenyl ether		ug/kg wet	ND		63 - 124
4-Methylphenol		ug/kg wet	ND		50 - 119
4-Nitroaniline		ug/kg wet	ND		63 - 128
4-Nitrophenol	3260	ug/kg wet	2230	68	43 - 137
Acenaphthene	3260	ug/kg wet	2640	81	53 - 120
Acenaphthylene		ug/kg wet	ND		58 - 121
Acetophenone		ug/kg wet	ND		66 - 120
Anthracene		ug/kg wet	ND		62 - 129
Atrazine		ug/kg wet	ND		73 - 133
Benzaldehyde		ug/kg wet	ND		21 - 120

Form 3

LCS / LCS DUPLICATE RECOVERY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT11009
Batch:	10L0497	Laboratory ID:	10L0497-BS1
Preparation:	3550B MB	Initial/Final:	30.64 g / 1 mL

COMPOUND	SPIKE ADDED	UNITS	LCS CONCENTRATION	LCS % REC. #	QCLIMITS REC.
Benzo(a)anthracene		ug/kg wet	ND		65 - 133
Benzo(a)pyrene		ug/kg wet	ND		64 - 127
Benzo(b)fluoranthene		ug/kg wet	ND		64 - 135
Benzo(ghi)perylene		ug/kg wet	ND		50 - 152
Benzo(k)fluoranthene		ug/kg wet	ND		58 - 138
Biphenyl		ug/kg wet	ND		71 - 120
Bis(2-chloroethoxy)methane		ug/kg wet	ND		61 - 133
Bis(2-chloroethyl)ether		ug/kg wet	ND		45 - 120
Bis(2-ethylhexyl) phthalate	3260	ug/kg wet	3690	113	61 - 133
Butyl benzyl phthalate		ug/kg wet	ND		61 - 129
Caprolactam		ug/kg wet	ND		54 - 133
Carbazole		ug/kg wet	ND		59 - 129
Chrysene		ug/kg wet	ND		64 - 131
Dibenzo(a,h)anthracene		ug/kg wet	ND		54 - 148
Dibenzofuran		ug/kg wet	ND		56 - 120
Diethyl phthalate		ug/kg wet	ND		66 - 126
Dimethyl phthalate		ug/kg wet	ND		65 - 124
Di-n-butyl phthalate		ug/kg wet	ND		58 - 130
Di-n-octyl phthalate		ug/kg wet	ND		62 - 133
Fluoranthene		ug/kg wet	30.4		62 - 131
Fluorene	3260	ug/kg wet	3050	94	63 - 126
Hexachlorobenzene		ug/kg wet	ND		60 - 132
Hexachlorobutadiene		ug/kg wet	ND		45 - 120
Hexachlorocyclopentadiene		ug/kg wet	ND		31 - 120
Hexachloroethane	3260	ug/kg wet	2100	64	41 - 120
Indeno(1,2,3-cd)pyrene		ug/kg wet	ND		56 - 149
Isophorone		ug/kg wet	ND		56 - 120
Naphthalene		ug/kg wet	ND		46 - 120
Nitrobenzene		ug/kg wet	ND		49 - 120
N-Nitrosodi-n-propylamine	3260	ug/kg wet	2870	88	46 - 120

Form 3

LCS / LCS DUPLICATE RECOVERY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT11009
Batch:	10L0497	Laboratory ID:	10L0497-BS1
Preparation:	3550B MB	Initial/Final:	30.64 g / 1 mL

COMPOUND	SPIKE ADDED	UNITS	LCS CONCENTRATION	LCS % REC. #	QCLIMITS REC.
N-Nitrosodiphenylamine		ug/kg wet	ND		20 - 119
Pentachlorophenol	3260	ug/kg wet	2390	73	33 - 136
Phenanthrene		ug/kg wet	ND		60 - 130
Phenol	3260	ug/kg wet	2310	71	36 - 120
Pyrene	3260	ug/kg wet	3250	100	51 - 133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT11009
Batch:	10L0497	Laboratory ID:	10L0497-MS1
Preparation:	3550B MB	Initial/Final:	30.26 g / 1 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
2,2'-Oxybis(1-Chloropropane)		ug/kg dry	ND	ND		44 - 120
2,4,5-Trichlorophenol		ug/kg dry	ND	ND		59 - 126
2,4,6-Trichlorophenol		ug/kg dry	ND	ND		59 - 123
2,4-Dichlorophenol		ug/kg dry	ND	ND		52 - 120
2,4-Dimethylphenol		ug/kg dry	ND	ND		36 - 120
2,4-Dinitrophenol		ug/kg dry	ND	ND		35 - 146
2,4-Dinitrotoluene	4550	ug/kg dry	ND	3880	85	55 - 125
2,6-Dinitrotoluene		ug/kg dry	ND	ND		66 - 128
2-Chloronaphthalene		ug/kg dry	ND	ND		57 - 120
2-Chlorophenol	4550	ug/kg dry	ND	2800	62	38 - 120
2-Methylnaphthalene		ug/kg dry	ND	45.5		47 - 120
2-Methylphenol		ug/kg dry	ND	ND		48 - 120
2-Nitroaniline		ug/kg dry	ND	ND		61 - 130
2-Nitrophenol		ug/kg dry	ND	ND		50 - 120
3,3'-Dichlorobenzidine		ug/kg dry	ND	ND		48 - 126
3-Nitroaniline		ug/kg dry	ND	ND		61 - 127
4,6-Dinitro-2-methylphenol		ug/kg dry	ND	ND		49 - 155
4-Bromophenyl phenyl ether		ug/kg dry	ND	ND		58 - 131
4-Chloro-3-methylphenol	4550	ug/kg dry	ND	3880	85	49 - 125
4-Chloroaniline		ug/kg dry	ND	ND		49 - 120
4-Chlorophenyl phenyl ether		ug/kg dry	ND	ND		63 - 124
4-Methylphenol		ug/kg dry	ND	ND		50 - 119
4-Nitroaniline		ug/kg dry	ND	ND		63 - 128
4-Nitrophenol	4550	ug/kg dry	ND	3380	74	43 - 137
Acenaphthene	4550	ug/kg dry	ND	3450	76	53 - 120
Acenaphthylene		ug/kg dry	ND	ND		58 - 121
Acetophenone		ug/kg dry	ND	ND		66 - 120
Anthracene		ug/kg dry	ND	113		62 - 129
Atrazine		ug/kg dry	ND	ND		73 - 133
Benzaldehyde		ug/kg dry	ND	ND		21 - 120
Benzo(a)anthracene		ug/kg dry	17.7	169		65 - 133
Benzo(a)pyrene		ug/kg dry	ND	125		64 - 127

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT11009
Batch:	10L0497	Laboratory ID:	10L0497-MS1
Preparation:	3550B MB	Initial/Final:	30.26 g / 1 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
Benzo(b)fluoranthene		ug/kg dry	ND	164		64 - 135
Benzo(ghi)perylene		ug/kg dry	ND	69.6		50 - 152
Benzo(k)fluoranthene		ug/kg dry	ND	55.5		58 - 138
Biphenyl		ug/kg dry	ND	ND		71 - 120
Bis(2-chloroethoxy)methane		ug/kg dry	ND	ND		61 - 133
Bis(2-chloroethyl)ether		ug/kg dry	ND	ND		45 - 120
Bis(2-ethylhexyl) phthalate	4550	ug/kg dry	ND	4610	101	61 - 133
Butyl benzyl phthalate		ug/kg dry	ND	ND		61 - 129
Caprolactam		ug/kg dry	ND	ND		54 - 133
Carbazole		ug/kg dry	ND	64.6		59 - 129
Chrysene		ug/kg dry	16.8	150		64 - 131
Dibenzo(a,h)anthracene		ug/kg dry	ND	ND		54 - 148
Dibenzofuran		ug/kg dry	ND	87.8		56 - 120
Diethyl phthalate		ug/kg dry	ND	ND		66 - 126
Dimethyl phthalate		ug/kg dry	ND	ND		65 - 124
Di-n-butyl phthalate		ug/kg dry	ND	ND		58 - 130
Di-n-octyl phthalate		ug/kg dry	ND	ND		62 - 133
Fluoranthene		ug/kg dry	32.6	541		62 - 131
Fluorene	4550	ug/kg dry	ND	4050	89	63 - 126
Hexachlorobenzene		ug/kg dry	ND	ND		60 - 132
Hexachlorobutadiene		ug/kg dry	ND	ND		45 - 120
Hexachlorocyclopentadiene		ug/kg dry	ND	ND		31 - 120
Hexachloroethane	4550	ug/kg dry	ND	2350	52	41 - 120
Indeno(1,2,3-cd)pyrene		ug/kg dry	ND	66.4		56 - 149
Isophorone		ug/kg dry	ND	ND		56 - 120
Naphthalene		ug/kg dry	689	225		46 - 120
Nitrobenzene		ug/kg dry	ND	ND		49 - 120
N-Nitrosodi-n-propylamine	4550	ug/kg dry	ND	3830	84	46 - 120
N-Nitrosodiphenylamine		ug/kg dry	ND	ND		20 - 119
Pentachlorophenol	4550	ug/kg dry	ND	3820	84	33 - 136
Phenanthrene		ug/kg dry	32.6	608		60 - 130
Phenol	4550	ug/kg dry	ND	2950	65	36 - 120

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT11009
Batch:	10L0497	Laboratory ID:	10L0497-MS1
Preparation:	3550B MB	Initial/Final:	30.26 g / 1 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
Pyrene	4550	ug/kg dry	23.1	4200	92	51 - 133

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,2'-Oxybis(1-Chloropropane)		ug/kg dry	ND			24	44 - 120
2,4,5-Trichlorophenol		ug/kg dry	ND			18	59 - 126
2,4,6-Trichlorophenol		ug/kg dry	ND			19	59 - 123
2,4-Dichlorophenol		ug/kg dry	ND			19	52 - 120
2,4-Dimethylphenol		ug/kg dry	ND			42	36 - 120
2,4-Dinitrophenol		ug/kg dry	ND			22	35 - 146
2,4-Dinitrotoluene	4540	ug/kg dry	3430	76	12	20	55 - 125
2,6-Dinitrotoluene		ug/kg dry	ND			15	66 - 128
2-Chloronaphthalene		ug/kg dry	ND			21	57 - 120
2-Chlorophenol	4540	ug/kg dry	2520	55	11	25	38 - 120
2-Methylnaphthalene		ug/kg dry	ND			21	47 - 120
2-Methylphenol		ug/kg dry	ND			27	48 - 120
2-Nitroaniline		ug/kg dry	ND			15	61 - 130
2-Nitrophenol		ug/kg dry	ND			18	50 - 120
3,3'-Dichlorobenzidine		ug/kg dry	ND			25	48 - 126
3-Nitroaniline		ug/kg dry	ND			19	61 - 127
4,6-Dinitro-2-methylphenol		ug/kg dry	ND			15	49 - 155
4-Bromophenyl phenyl ether		ug/kg dry	ND			15	58 - 131
4-Chloro-3-methylphenol	4540	ug/kg dry	3230	71	18	27	49 - 125
4-Chloroaniline		ug/kg dry	ND			22	49 - 120
4-Chlorophenyl phenyl ether		ug/kg dry	ND			16	63 - 124
4-Methylphenol		ug/kg dry	ND			24	50 - 119
4-Nitroaniline		ug/kg dry	ND			24	63 - 128
4-Nitrophenol	4540	ug/kg dry	2970	65	13	25	43 - 137
Acenaphthene	4540	ug/kg dry	3010	66	13	35	53 - 120
Acenaphthylene		ug/kg dry	ND			18	58 - 121
Acetophenone		ug/kg dry	ND			20	66 - 120
Anthracene		ug/kg dry	56.3		67 *	15	62 - 129
Atrazine		ug/kg dry	ND			20	73 - 133

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8270C

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Spike standard: RT11009
Batch: 10L0497
Laboratory ID: 10L0497-MSD1
Preparation: 3550B MB
Initial/Final: 30.31 g / 1 mL
Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzaldehyde		ug/kg dry	ND			20	21 - 120
Benzo(a)anthracene		ug/kg dry	81.3		70 *	15	65 - 133
Benzo(a)pyrene		ug/kg dry	62.2		67 *	15	64 - 127
Benzo(b)fluoranthene		ug/kg dry	61.7		90 *	15	64 - 135
Benzo(ghi)perylene		ug/kg dry	26.8		89 *	15	50 - 152
Benzo(k)fluoranthene		ug/kg dry	35.9		43 *	22	58 - 138
Biphenyl		ug/kg dry	ND			20	71 - 120
Bis(2-chloroethoxy)methane		ug/kg dry	ND			17	61 - 133
Bis(2-chloroethyl)ether		ug/kg dry	ND			21	45 - 120
Bis(2-ethylhexyl) phthalate	4540	ug/kg dry	4250	94	8	15	61 - 133
Butyl benzyl phthalate		ug/kg dry	ND			16	61 - 129
Caprolactam		ug/kg dry	ND			20	54 - 133
Carbazole		ug/kg dry	23.1		94 *	20	59 - 129
Chrysene		ug/kg dry	64.9		79 *	15	64 - 131
Dibenzo(a,h)anthracene		ug/kg dry	ND			15	54 - 148
Dibenzofuran		ug/kg dry	ND			15	56 - 120
Diethyl phthalate		ug/kg dry	ND			15	66 - 126
Dimethyl phthalate		ug/kg dry	ND			15	65 - 124
Di-n-butyl phthalate		ug/kg dry	ND			15	58 - 130
Di-n-octyl phthalate		ug/kg dry	ND			16	62 - 133
Fluoranthene		ug/kg dry	210		88 *	15	62 - 131
Fluorene	4540	ug/kg dry	3530	78	14	15	63 - 126
Hexachlorobenzene		ug/kg dry	ND			15	60 - 132
Hexachlorobutadiene		ug/kg dry	ND			44	45 - 120
Hexachlorocyclopentadiene		ug/kg dry	ND			49	31 - 120
Hexachloroethane	4540	ug/kg dry	2350	52	0.1	46	41 - 120
Indeno(1,2,3-cd)pyrene		ug/kg dry	24.5		92 *	15	56 - 149
Isophorone		ug/kg dry	ND			17	56 - 120
Naphthalene		ug/kg dry	341		41 *	29	46 - 120
Nitrobenzene		ug/kg dry	ND			24	49 - 120
N-Nitrosodi-n-propylamine	4540	ug/kg dry	3030	67	23	31	46 - 120
N-Nitrosodiphenylamine		ug/kg dry	ND			15	20 - 119
Pentachlorophenol	4540	ug/kg dry	3340	74	13	35	33 - 136

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT11009
Batch:	10L0497	Laboratory ID:	10L0497-MSD1
Preparation:	3550B MB	Initial/Final:	30.31 g / 1 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenanthrene		ug/kg dry	188		105 *	15	60 - 130
Phenol	4540	ug/kg dry	2610	57	12	35	36 - 120
Pyrene	4540	ug/kg dry	3730	82	12	35	51 - 133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

PREPARATION BATCH SUMMARY

8270C

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Batch: 10L0497 Batch Matrix: Solid
Preparation: 3550B MB

SAMPLE NAME	LAB SAMPLE ID	INITIAL	FINAL	DATE PREPARED	TOT/DIS
Blank	10L0497-BLK1	30.8 g	1.00 mL	12/07/10 11:00	N/A
LCS	10L0497-BS1	30.6 g	1.00 mL	12/07/10 11:00	N/A
SP-12-6-10	10L0497-MS1	30.3 g	1.00 mL	12/07/10 11:00	N/A
SP-12-6-10	10L0497-MSD1	30.3 g	1.00 mL	12/07/10 11:00	N/A
SP-1-5-7	RTL0572-01	30.4 g	1.00 mL	12/07/10 10:08	N/A
SP-1-5-7	RTL0572-01	30.4 g	1.00 mL	12/07/10 11:00	N/A
SP-2-6-8	RTL0572-02	30.4 g	1.00 mL	12/07/10 10:08	N/A
SP-3-4-6	RTL0572-03	30.4 g	1.00 mL	12/07/10 10:08	N/A
SP-4-2-4	RTL0572-04	30.4 g	1.00 mL	12/07/10 10:08	N/A
SP-5-2-4	RTL0572-05	30.3 g	10.0 mL	12/07/10 10:08	N/A
SP-6-2-4	RTL0572-06	30.3 g	1.00 mL	12/07/10 10:08	N/A
SP-7-4-6	RTL0572-07	30.8 g	1.00 mL	12/07/10 10:08	N/A
SP-8-4-6	RTL0572-08	30.4 g	1.00 mL	12/07/10 10:08	N/A
SP-9-2-4	RTL0572-09	30.7 g	1.00 mL	12/07/10 10:08	N/A
SP-10-2-4	RTL0572-10	30.9 g	1.00 mL	12/07/10 10:08	N/A
SP-11-2-4	RTL0572-11	30.8 g	1.00 mL	12/07/10 10:08	N/A
DUP-1	RTL0572-12	30.1 g	1.00 mL	12/07/10 10:08	N/A
SP-12-6-10	RTL0572-13	30.4 g	1.00 mL	12/07/10 10:08	N/A

Form 5

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Lab File ID:	X4271.D	Injection Date:	11/18/10
Instrument ID:	HP5973X	Injection Time:	00:57
Sequence:	T005247	Lab Sample ID:	T005247-TUN1
Calibration:	R10K083		

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	34.016	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	38.631	PASS
70	Less than 2% of 69	0	PASS
127	40 - 60% of 198	42.275	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.4062	PASS
275	10 - 30% of 198	24.191	PASS
365	1 - 100% of 198	2.2261	PASS
441	Present but less than 100% of 443	76.845	PASS
442	40 - 110% of 198	69.065	PASS
443	17 - 23% of 442	19.444	PASS

INITIAL CALIBRATION STANDARDS

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005247	Instrument:	HP5973X
Calibration:	R10K083		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
RT12926	DFTPP050	T005247-TUN1	X4271.D	11/18/10 00:57
RT12884	8270- CAL 160 PPB	T005247-CAL6	X4272.D	11/18/10 01:17
RT12883	8270- CAL 120 PPB	T005247-CAL5	X4273.D	11/18/10 01:40
RT12882	8270- CAL 80 PPB	T005247-CAL4	X4274.D	11/18/10 02:02
RT12881	8270- CAL 50 PPB	T005247-CAL3	X4275.D	11/18/10 02:25
RT12880	8270- CAL 20 PPB	T005247-CAL2	X4276.D	11/18/10 02:48
RT12879	8270- CAL 5 PPB	T005247-CAL1	X4277.D	11/18/10 03:11
RT13409	TCL ADD-CAL 160 PPB	T005247-CALC	X4278.D	11/18/10 03:34
RT13408	TCL ADD-CAL 120 PPB	T005247-CALB	X4279.D	11/18/10 03:57
RT13407	TCL ADD-CAL 80 PPB	T005247-CALA	X4280.D	11/18/10 04:19
RT13406	TCL ADD-CAL 50 PPB	T005247-CAL9	X4281.D	11/18/10 04:42
RT13405	TCL ADD-CAL 20 PPB	T005247-CAL8	X4282.D	11/18/10 05:05
RT13404	TCL ADD-CAL 5 PPB	T005247-CAL7	X4283.D	11/18/10 05:27
RT12362	APIX CAL 160PPB	T005247-CALI	X4286.D	11/18/10 06:36
RT12361	APIX CAL 120PPB	T005247-CALH	X4287.D	11/18/10 06:58
RT12360	APIX CAL 80PPB	T005247-CALG	X4288.D	11/18/10 07:21
RT12359	APIX CAL 50PPB	T005247-CALF	X4289.D	11/18/10 07:44
RT12358	APIX CAL 20PPB	T005247-CALE	X4290.D	11/18/10 08:07
RT12357	APIX CAL 10PPB	T005247-CALD	X4291.D	11/18/10 08:30
RT13417	ADDS#1- CAL 160PPB	T005247-CALO	X4292.D	11/18/10 08:53
RT13416	ADDS#1- CAL 120PPB	T005247-CALN	X4293.D	11/18/10 09:15
RT13415	ADDS#1- CAL 80PPB	T005247-CALM	X4294.D	11/18/10 09:38
RT13414	ADDS#1- CAL 50PPB	T005247-CALL	X4295.D	11/18/10 10:01
RT13413	ADDS#1- CAL 20PPB	T005247-CALK	X4296.D	11/18/10 10:24
RT13412	ADDS#1- CAL 10PPB	T005247-CALJ	X4297.D	11/18/10 10:47

Form 5

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Lab File ID:	X5325.D	Injection Date:	12/08/10
Instrument ID:	HP5973X	Injection Time:	08:37
Sequence:	T005575	Lab Sample ID:	T005575-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	33.171	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	38.439	PASS
70	Less than 2% of 69	0	PASS
127	40 - 60% of 198	42.24	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.9944	PASS
275	10 - 30% of 198	27.504	PASS
365	1 - 100% of 198	2.9385	PASS
441	Present but less than 100% of 443	75.879	PASS
442	40 - 110% of 198	87.591	PASS
443	17 - 23% of 442	19.452	PASS

Form 5A

ANALYSIS BATCH (SEQUENCE) SUMMARY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005575	Instrument:	HP5973X
		Calibration:	R10K083

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	T005575-TUN1	X5325.D	12/08/10 08:37
Calibration Check	T005575-CCV1	X5326.D	12/08/10 08:52
Calibration Check	T005575-CCV2	X5327.D	12/08/10 09:15
SP-1-5-7	RTL0572-01	X5330.D	12/08/10 10:24
SP-2-6-8	RTL0572-02	X5331.D	12/08/10 10:46
SP-3-4-6	RTL0572-03	X5332.D	12/08/10 11:09
SP-4-2-4	RTL0572-04	X5333.D	12/08/10 11:32
SP-6-2-4	RTL0572-06	X5334.D	12/08/10 11:55
SP-7-4-6	RTL0572-07	X5335.D	12/08/10 12:18
SP-9-2-4	RTL0572-09	X5336.D	12/08/10 12:41
SP-10-2-4	RTL0572-10	X5337.D	12/08/10 13:04

Form 5

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Lab File ID:	X5297(2).D	Injection Date:	12/07/10
Instrument ID:	HP5973X	Injection Time:	19:57
Sequence:	T005571	Lab Sample ID:	T005571-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	36.788	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	41.049	PASS
70	Less than 2% of 69	0	PASS
127	40 - 60% of 198	43.819	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.6585	PASS
275	10 - 30% of 198	27.192	PASS
365	1 - 100% of 198	3.1658	PASS
441	Present but less than 100% of 443	74.148	PASS
442	40 - 110% of 198	85.278	PASS
443	17 - 23% of 442	19.191	PASS

Form 5A

ANALYSIS BATCH (SEQUENCE) SUMMARY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005571	Instrument:	HP5973X
		Calibration:	R10K083

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	T005571-TUN1	X5297(2).D	12/07/10 19:57
Calibration Check	T005571-CCV1	X5298.D	12/07/10 20:12
Calibration Check	T005571-CCV2	X5299.D	12/07/10 20:35
Blank	10L0497-BLK1	X5302.D	12/07/10 22:04
LCS	10L0497-BS1	X5303.D	12/07/10 22:27
SP-12-6-10	10L0497-MS1	X5304.D	12/07/10 22:50
SP-12-6-10	10L0497-MSD1	X5305.D	12/07/10 23:13
SP-5-2-4	RTL0572-05	X5313.D	12/08/10 02:17
SP-8-4-6	RTL0572-08	X5316.D	12/08/10 03:26
SP-11-2-4	RTL0572-11	X5319.D	12/08/10 04:35
DUP-1	RTL0572-12	X5320.D	12/08/10 04:58
SP-12-6-10	RTL0572-13	X5321.D	12/08/10 05:21

Form 8

INTERNAL STANDARD AREA AND RT SUMMARY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005571	Instrument:	HP5973X
Matrix:	Solid	Calibration:	R10K083

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (T005571-CCV1)			Lab File ID: X5298.D			Analyzed: 12/07/10 20:12			
1,4-Dichlorobenzene-d4	75436	6				50 - 200		+/-0.50	
Acenaphthene-d10	164135	9.6				50 - 200		+/-0.50	
Chrysene-d12	340849	13.6				50 - 200		+/-0.50	
Naphthalene-d8	283821	7.54				50 - 200		+/-0.50	
Perylene-d12	402421	14.81				50 - 200		+/-0.50	
Phenanthrene-d10	278314	11.2				50 - 200		+/-0.50	
Blank (10L0497-BLK1)			Lab File ID: X5302.D			Analyzed: 12/07/10 22:04			
1,4-Dichlorobenzene-d4	77247	6	75436	6	102	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	160231	9.6	164135	9.6	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12	331990	13.6	340849	13.6	97	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	286141	7.54	283821	7.54	101	50 - 200	0.0000	+/-0.50	
Perylene-d12	364856	14.81	402421	14.81	91	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	265650	11.2	278314	11.2	95	50 - 200	0.0000	+/-0.50	
LCS (10L0497-BS1)			Lab File ID: X5303.D			Analyzed: 12/07/10 22:27			
1,4-Dichlorobenzene-d4	70563	6	75436	6	94	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	151867	9.6	164135	9.6	93	50 - 200	0.0000	+/-0.50	
Chrysene-d12	305944	13.59	340849	13.6	90	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	270295	7.54	283821	7.54	95	50 - 200	0.0000	+/-0.50	
Perylene-d12	354227	14.81	402421	14.81	88	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	253527	11.2	278314	11.2	91	50 - 200	0.0000	+/-0.50	
Matrix Spike (10L0497-MS1)			Lab File ID: X5304.D			Analyzed: 12/07/10 22:50			
1,4-Dichlorobenzene-d4	75720	6	75436	6	100	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	164038	9.6	164135	9.6	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	340606	13.59	340849	13.6	100	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	287941	7.54	283821	7.54	101	50 - 200	0.0000	+/-0.50	
Perylene-d12	398047	14.81	402421	14.81	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	274545	11.2	278314	11.2	99	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (10L0497-MSD1)			Lab File ID: X5305.D			Analyzed: 12/07/10 23:13			
1,4-Dichlorobenzene-d4	77450	6	75436	6	103	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	163598	9.6	164135	9.6	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	344765	13.59	340849	13.6	101	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	290520	7.54	283821	7.54	102	50 - 200	0.0000	+/-0.50	
Perylene-d12	409036	14.81	402421	14.81	102	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	275960	11.2	278314	11.2	99	50 - 200	0.0000	+/-0.50	

Form 8

INTERNAL STANDARD AREA AND RT SUMMARY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005571	Instrument:	HP5973X
Matrix:	Solid	Calibration:	R10K083

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SP-5-2-4 (RTL0572-05)			Lab File ID: X5313.D			Analyzed: 12/08/10 02:17			
1,4-Dichlorobenzene-d4	72451	6	75436	6	96	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	155491	9.6	164135	9.6	95	50 - 200	0.0000	+/-0.50	
Chrysene-d12	353667	13.59	340849	13.6	104	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	269801	7.54	283821	7.54	95	50 - 200	0.0000	+/-0.50	
Perylene-d12	422808	14.81	402421	14.81	105	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	264544	11.2	278314	11.2	95	50 - 200	0.0000	+/-0.50	
SP-8-4-6 (RTL0572-08)			Lab File ID: X5316.D			Analyzed: 12/08/10 03:26			
1,4-Dichlorobenzene-d4	71977	6.01	75436	6	95	50 - 200	0.0100	+/-0.50	
Acenaphthene-d10	153002	9.6	164135	9.6	93	50 - 200	0.0000	+/-0.50	
Chrysene-d12	340457	13.59	340849	13.6	100	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	274490	7.54	283821	7.54	97	50 - 200	0.0000	+/-0.50	
Perylene-d12	406135	14.81	402421	14.81	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	260953	11.2	278314	11.2	94	50 - 200	0.0000	+/-0.50	
SP-11-2-4 (RTL0572-11)			Lab File ID: X5319.D			Analyzed: 12/08/10 04:35			
1,4-Dichlorobenzene-d4	72223	6	75436	6	96	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	156817	9.6	164135	9.6	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12	344484	13.59	340849	13.6	101	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	271910	7.54	283821	7.54	96	50 - 200	0.0000	+/-0.50	
Perylene-d12	412363	14.81	402421	14.81	102	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	265361	11.2	278314	11.2	95	50 - 200	0.0000	+/-0.50	
DUP-1 (RTL0572-12)			Lab File ID: X5320.D			Analyzed: 12/08/10 04:58			
1,4-Dichlorobenzene-d4	71461	6	75436	6	95	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	151793	9.6	164135	9.6	92	50 - 200	0.0000	+/-0.50	
Chrysene-d12	339076	13.59	340849	13.6	99	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	269171	7.54	283821	7.54	95	50 - 200	0.0000	+/-0.50	
Perylene-d12	410646	14.81	402421	14.81	102	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	260260	11.2	278314	11.2	94	50 - 200	0.0000	+/-0.50	
SP-12-6-10 (RTL0572-13)			Lab File ID: X5321.D			Analyzed: 12/08/10 05:21			
1,4-Dichlorobenzene-d4	71190	6	75436	6	94	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	154766	9.6	164135	9.6	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12	352144	13.59	340849	13.6	103	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	271584	7.54	283821	7.54	96	50 - 200	0.0000	+/-0.50	
Perylene-d12	419769	14.81	402421	14.81	104	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	262972	11.2	278314	11.2	94	50 - 200	0.0000	+/-0.50	

* Values outside of QC limits

Form 8

INTERNAL STANDARD AREA AND RT SUMMARY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005575	Instrument:	HP5973X
Matrix:	Solid	Calibration:	R10K083

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (T005575-CCV1)			Lab File ID: X5326.D			Analyzed: 12/08/10 08:52			
1,4-Dichlorobenzene-d4	97150	5.99				50 - 200		+/-0.50	
Acenaphthene-d10	204736	9.59				50 - 200		+/-0.50	
Chrysene-d12	416640	13.58				50 - 200		+/-0.50	
Naphthalene-d8	352894	7.53				50 - 200		+/-0.50	
Perylene-d12	500422	14.8				50 - 200		+/-0.50	
Phenanthrene-d10	344124	11.19				50 - 200		+/-0.50	
SP-1-5-7 (RTL0572-01)			Lab File ID: X5330.D			Analyzed: 12/08/10 10:24			
1,4-Dichlorobenzene-d4	82174	5.99	97150	5.99	85	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	170923	9.59	204736	9.59	83	50 - 200	0.0000	+/-0.50	
Chrysene-d12	408284	13.58	416640	13.58	98	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	301833	7.53	352894	7.53	86	50 - 200	0.0000	+/-0.50	
Perylene-d12	515579	14.8	500422	14.8	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	289818	11.19	344124	11.19	84	50 - 200	0.0000	+/-0.50	
SP-2-6-8 (RTL0572-02)			Lab File ID: X5331.D			Analyzed: 12/08/10 10:46			
1,4-Dichlorobenzene-d4	71381	5.99	97150	5.99	73	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	154983	9.59	204736	9.59	76	50 - 200	0.0000	+/-0.50	
Chrysene-d12	366101	13.58	416640	13.58	88	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	263909	7.53	352894	7.53	75	50 - 200	0.0000	+/-0.50	
Perylene-d12	475458	14.8	500422	14.8	95	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	262232	11.19	344124	11.19	76	50 - 200	0.0000	+/-0.50	
SP-3-4-6 (RTL0572-03)			Lab File ID: X5332.D			Analyzed: 12/08/10 11:09			
1,4-Dichlorobenzene-d4	88478	5.99	97150	5.99	91	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	194626	9.59	204736	9.59	95	50 - 200	0.0000	+/-0.50	
Chrysene-d12	449004	13.58	416640	13.58	108	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	330103	7.53	352894	7.53	94	50 - 200	0.0000	+/-0.50	
Perylene-d12	573578	14.8	500422	14.8	115	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	332173	11.19	344124	11.19	97	50 - 200	0.0000	+/-0.50	
SP-4-2-4 (RTL0572-04)			Lab File ID: X5333.D			Analyzed: 12/08/10 11:32			
1,4-Dichlorobenzene-d4	76389	5.99	97150	5.99	79	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	165284	9.59	204736	9.59	81	50 - 200	0.0000	+/-0.50	
Chrysene-d12	393640	13.58	416640	13.58	94	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	285566	7.53	352894	7.53	81	50 - 200	0.0000	+/-0.50	
Perylene-d12	495751	14.8	500422	14.8	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	281654	11.19	344124	11.19	82	50 - 200	0.0000	+/-0.50	

Form 8

INTERNAL STANDARD AREA AND RT SUMMARY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005575	Instrument:	HP5973X
Matrix:	Solid	Calibration:	R10K083

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SP-6-2-4 (RTL0572-06)			Lab File ID: X5334.D			Analyzed: 12/08/10 11:55			
1,4-Dichlorobenzene-d4	72700	5.99	97150	5.99	75	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	158896	9.59	204736	9.59	78	50 - 200	0.0000	+/-0.50	
Chrysene-d12	381830	13.58	416640	13.58	92	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	273831	7.53	352894	7.53	78	50 - 200	0.0000	+/-0.50	
Perylene-d12	472810	14.8	500422	14.8	94	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	271546	11.19	344124	11.19	79	50 - 200	0.0000	+/-0.50	
SP-7-4-6 (RTL0572-07)			Lab File ID: X5335.D			Analyzed: 12/08/10 12:18			
1,4-Dichlorobenzene-d4	85680	5.99	97150	5.99	88	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	185545	9.59	204736	9.59	91	50 - 200	0.0000	+/-0.50	
Chrysene-d12	445031	13.58	416640	13.58	107	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	321807	7.53	352894	7.53	91	50 - 200	0.0000	+/-0.50	
Perylene-d12	540621	14.8	500422	14.8	108	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	316868	11.19	344124	11.19	92	50 - 200	0.0000	+/-0.50	
SP-9-2-4 (RTL0572-09)			Lab File ID: X5336.D			Analyzed: 12/08/10 12:41			
1,4-Dichlorobenzene-d4	72823	5.99	97150	5.99	75	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	157640	9.59	204736	9.59	77	50 - 200	0.0000	+/-0.50	
Chrysene-d12	376624	13.58	416640	13.58	90	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	276575	7.53	352894	7.53	78	50 - 200	0.0000	+/-0.50	
Perylene-d12	462578	14.8	500422	14.8	92	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	270696	11.19	344124	11.19	79	50 - 200	0.0000	+/-0.50	
SP-10-2-4 (RTL0572-10)			Lab File ID: X5337.D			Analyzed: 12/08/10 13:04			
1,4-Dichlorobenzene-d4	70891	5.99	97150	5.99	73	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	156309	9.59	204736	9.59	76	50 - 200	0.0000	+/-0.50	
Chrysene-d12	378441	13.58	416640	13.58	91	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	271839	7.53	352894	7.53	77	50 - 200	0.0000	+/-0.50	
Perylene-d12	457497	14.8	500422	14.8	91	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	266010	11.19	344124	11.19	77	50 - 200	0.0000	+/-0.50	

* Values outside of QC limits

METHOD DETECTION AND REPORTING LIMITS

8270C

Laboratory: TestAmerica Buffalo **SDG:** RTL0572

Client: PARS Environmental, Inc. **Project:** NF Armed Forces Reserve Center Solids Te

Matrix: Solid **Instrument:** HP5973X

Analyte	MDL	MRL	Units
2,2'-Oxybis(1-Chloropropane)	18	170	ug/kg
2,4,5-Trichlorophenol	37	170	ug/kg
2,4,6-Trichlorophenol	11	170	ug/kg
2,4-Dichlorophenol	8.8	170	ug/kg
2,4-Dimethylphenol	46	170	ug/kg
2,4-Dinitrophenol	59	330	ug/kg
2,4-Dinitrotoluene	26	170	ug/kg
2,6-Dinitrotoluene	41	170	ug/kg
2-Chloronaphthalene	11	170	ug/kg
2-Chlorophenol	8.6	170	ug/kg
2-Methylnaphthalene	2.0	170	ug/kg
2-Methylphenol	5.2	170	ug/kg
2-Nitroaniline	54	330	ug/kg
2-Nitrophenol	7.7	170	ug/kg
3,3'-Dichlorobenzidine	150	170	ug/kg
3-Nitroaniline	39	330	ug/kg
4,6-Dinitro-2-methylphenol	58	330	ug/kg
4-Bromophenyl phenyl ether	54	170	ug/kg
4-Chloro-3-methylphenol	6.9	170	ug/kg
4-Chloroaniline	50	170	ug/kg
4-Chlorophenyl phenyl ether	3.6	170	ug/kg
4-Methylphenol	9.4	330	ug/kg
4-Nitroaniline	19	330	ug/kg
4-Nitrophenol	41	330	ug/kg
Acenaphthene	2.0	170	ug/kg
Acenaphthylene	1.4	170	ug/kg
Acetophenone	8.7	170	ug/kg
Anthracene	4.3	170	ug/kg
Atrazine	7.5	170	ug/kg
Benzaldehyde	19	170	ug/kg
Benzo(a)anthracene	2.9	170	ug/kg
Benzo(a)pyrene	4.1	170	ug/kg
Benzo(b)fluoranthene	3.3	170	ug/kg
Benzo(ghi)perylene	2.0	170	ug/kg
Benzo(k)fluoranthene	1.9	170	ug/kg
Biphenyl	11	170	ug/kg
Bis(2-chloroethoxy)methane	9.2	170	ug/kg
Bis(2-chloroethyl)ether	15	170	ug/kg

METHOD DETECTION AND REPORTING LIMITS

8270C

Laboratory: TestAmerica Buffalo **SDG:** RTL0572

Client: PARS Environmental, Inc. **Project:** NF Armed Forces Reserve Center Solids Te

Matrix: Solid **Instrument:** HP5973X

Analyte	MDL	MRL	Units
Bis(2-ethylhexyl) phthalate	54	170	ug/kg
Butyl benzyl phthalate	45	170	ug/kg
Caprolactam	73	170	ug/kg
Carbazole	2.0	170	ug/kg
Chrysene	1.7	170	ug/kg
Dibenzo(a,h)anthracene	2.0	170	ug/kg
Dibenzofuran	1.8	170	ug/kg
Diethyl phthalate	5.1	170	ug/kg
Dimethyl phthalate	4.4	170	ug/kg
Di-n-butyl phthalate	58	170	ug/kg
Di-n-octyl phthalate	3.9	170	ug/kg
Fluoranthene	2.4	170	ug/kg
Fluorene	3.9	170	ug/kg
Hexachlorobenzene	8.4	170	ug/kg
Hexachlorobutadiene	8.6	170	ug/kg
Hexachlorocyclopentadiene	51	170	ug/kg
Hexachloroethane	13	170	ug/kg
Indeno(1,2,3-cd)pyrene	4.7	170	ug/kg
Isophorone	8.4	170	ug/kg
Naphthalene	2.8	170	ug/kg
Nitrobenzene	7.5	170	ug/kg
N-Nitrosodi-n-propylamine	13	170	ug/kg
N-Nitrosodiphenylamine	9.2	170	ug/kg
Pentachlorophenol	58	330	ug/kg
Phenanthrene	3.5	170	ug/kg
Phenol	18	170	ug/kg
Pyrene	1.1	170	ug/kg

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-1-5-7

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-01	File ID:	X5330.D
Sampled:	12/06/10 09:05	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 10:24
Solids:	90.23	Preparation:	3550B MB	Initial/Final:	30.39 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	190	U
95-95-4	2,4,5-Trichlorophenol	1	190	U
88-06-2	2,4,6-Trichlorophenol	1	190	U
120-83-2	2,4-Dichlorophenol	1	190	U
105-67-9	2,4-Dimethylphenol	1	190	U
51-28-5	2,4-Dinitrophenol	1	360	U
121-14-2	2,4-Dinitrotoluene	1	190	U
606-20-2	2,6-Dinitrotoluene	1	190	U
91-58-7	2-Chloronaphthalene	1	190	U
95-57-8	2-Chlorophenol	1	190	U
91-57-6	2-Methylnaphthalene	1	190	U
95-48-7	2-Methylphenol	1	190	U
88-74-4	2-Nitroaniline	1	360	U
88-75-5	2-Nitrophenol	1	190	U
91-94-1	3,3'-Dichlorobenzidine	1	190	U
99-09-2	3-Nitroaniline	1	360	U
534-52-1	4,6-Dinitro-2-methylphenol	1	360	U
101-55-3	4-Bromophenyl phenyl ether	1	190	U
59-50-7	4-Chloro-3-methylphenol	1	190	U
106-47-8	4-Chloroaniline	1	190	U
7005-72-3	4-Chlorophenyl phenyl ether	1	190	U
106-44-5	4-Methylphenol	1	360	U
100-01-6	4-Nitroaniline	1	360	U
100-02-7	4-Nitrophenol	1	360	U
83-32-9	Acenaphthene	1	190	U
208-96-8	Acenaphthylene	1	190	U
98-86-2	Acetophenone	1	190	U
120-12-7	Anthracene	1	190	U
1912-24-9	Atrazine	1	190	U
100-52-7	Benzaldehyde	1	190	U
56-55-3	Benzo(a)anthracene	1	20	J
50-32-8	Benzo(a)pyrene	1	23	J
205-99-2	Benzo(b)fluoranthene	1	34	J
191-24-2	Benzo(ghi)perylene	1	26	J
207-08-9	Benzo(k)fluoranthene	1	12	J
92-52-4	Biphenyl	1	190	U
111-91-1	Bis(2-chloroethoxy)methane	1	190	U
111-44-4	Bis(2-chloroethyl)ether	1	190	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	190	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-1-5-7

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-01	File ID:	X5330.D
Sampled:	12/06/10 09:05	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 10:24
Solids:	90.23	Preparation:	3550B MB	Initial/Final:	30.39 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	190	U
105-60-2	Caprolactam	1	190	U
86-74-8	Carbazole	1	190	U
218-01-9	Chrysene	1	27	J
53-70-3	Dibenzo(a,h)anthracene	1	190	U
132-64-9	Dibenzofuran	1	190	U
84-66-2	Diethyl phthalate	1	190	U
131-11-3	Dimethyl phthalate	1	190	U
84-74-2	Di-n-butyl phthalate	1	190	U
117-84-0	Di-n-octyl phthalate	1	190	U
206-44-0	Fluoranthene	1	51	J
86-73-7	Fluorene	1	17	J
118-74-1	Hexachlorobenzene	1	190	U
87-68-3	Hexachlorobutadiene	1	190	U
77-47-4	Hexachlorocyclopentadiene	1	190	U
67-72-1	Hexachloroethane	1	190	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	19	J
78-59-1	Isophorone	1	190	U
91-20-3	Naphthalene	1	190	U
98-95-3	Nitrobenzene	1	190	U
621-64-7	N-Nitrosodi-n-propylamine	1	190	U
86-30-6	N-Nitrosodiphenylamine	1	190	U
87-86-5	Pentachlorophenol	1	360	U
85-01-8	Phenanthrene	1	48	J
108-95-2	Phenol	1	190	U
129-00-0	Pyrene	1	46	J

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
none	Unknown01	7.58	150	
none	Unknown02	8.098	250	
none	Unknown03	8.296	150	
none	Unknown04	9.343	300	
none	Unknown05	10.4	350	
none	Unknown06	10.684	350	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	5470	6740	123	39 - 146	
2-Fluorobiphenyl	3650	3350	92	37 - 120	
2-Fluorophenol	5470	4340	79	18 - 120	
Nitrobenzene-d5	3650	3420	94	34 - 132	
Phenol-d5	5470	4820	88	11 - 120	
p-Terphenyl-d14	3650	3160	87	58 - 147	

Form Rev: 9/21/10

Printed: 12/13/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-1-5-7

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-01	File ID:	X5330.D
Sampled:	12/06/10 09:05	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 10:24
Solids:	90.23	Preparation:	3550B MB	Initial/Final:	30.39 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	82174	5.99	97150	5.99	
Acenaphthene-d10	170923	9.59	204736	9.59	
Chrysene-d12	408284	13.58	416640	13.58	
Naphthalene-d8	301833	7.53	352894	7.53	
Perylene-d12	515579	14.8	500422	14.8	
Phenanthrene-d10	289818	11.19	344124	11.19	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5330.D Vial: 2
Acq On : 8 Dec 2010 10:24 Operator: MKP
Sample : RTL0572-01 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:53:05 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	82174	40.00	ng	0.00 94.58%
21) CI40 Naphthalene-d8	7.53	136	301833	40.00	ng	0.00 85.53%
37) CI50 Acenaphthene-d10	9.59	164	170923	40.00	ng	0.00 83.48%
58) CI60 Phenanthrene-d10	11.19	188	289818	40.00	ng	0.00 84.22%
70) CI70 Chrysene-d12	13.58	240	408284	40.00	ng	0.00 97.99%
80) CI75 Perylene-d12	14.80	264	515579	40.00	ng	0.00 103.03%
System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.33	112	378652	118.97	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 79.31%			
6) CS45 Phenol-d5	5.57	99	507108	132.16	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 88.11%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.67	82	283642	93.85	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 93.85%			
41) CS25 2-Fluorobiphenyl	8.81	172	497556	91.80	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 91.80%			
61) CS55 2,4,6-Tribromophenol	10.48	330	141130	184.76	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 123.17%#			
73) CS30 Terphenyl-d14	12.68	244	637005	86.56	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 86.56%			

Target Compounds					Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.	
3) E100 Pyridine	0.00	79	0	N.D.	
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.	
8) C315 Phenol	0.00	94	0	N.D.	
9) C330 2-Chlorophenol	0.00	128	0	N.D.	
10) C320 aniline	0.00	93	0	N.D.	
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.	
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.	
15) C345 Benzyl alcohol	0.00	108	0	N.D.	
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.	
17) C355 2-Methylphenol	0.00	108	0	N.D.	
18) C375 Hexachloroethane	0.00	117	0	N.D. d	
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.	
20) C365 4-Methylphenol	0.00	108	0	N.D.	
23) C410 Nitrobenzene	0.00	77	0	N.D.	
24) C415 Isophorone	0.00	82	0	N.D.	
25) C011 Tetraethyl Lead	0.00	237	0	N.D.	
26) C430 benzoic acid	0.00	122	0	N.D.	
27) C420 2-Nitrophenol	0.00	139	0	N.D.	
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.	

Data File : D:\DATA\120810\X5330.D Vial: 2
Acq On : 8 Dec 2010 10:24 Operator: MKP
Sample : RTL0572-01 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:53:05 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.	
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.	
32) C450 Naphthalene	0.00	128	0	N.D.	
33) C455 4-Chloroaniline	0.00	127	0	N.D.	
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.	
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.	
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.	
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.	
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.	
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.	
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.	
43) C530 2-Nitroaniline	0.00	65	0	N.D.	
44) C540 Acenaphthylene	0.00	152	0	N.D.	
45) C535 Dimethylphthalate	0.00	163	0	N.D.	
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.	
47) C550 Acenaphthene	0.00	153	0	N.D. d	
48) C545 3-Nitroaniline	0.00	138	0	N.D.	
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
50) C565 Dibenzofuran	0.00	168	0	N.D. d	
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
52) C560 4-Nitrophenol	0.00	109	0	N.D. d	
53) C590 Fluorene	10.21	166	2280	0.46 ng	88
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.	
55) C580 Diethylphthalate	0.00	149	0	N.D. d	
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.	
57) C595 4-Nitroaniline	0.00	138	0	N.D.	
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.	
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D. d	
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.	
63) C630 Hexachlorobenzene	0.00	284	0	N.D.	
64) C635 Pentachlorophenol	0.00	266	0	N.D.	
65) C640 Phenanthrene	11.21	178	9941	1.32 ng	96
66) C645 Anthracene	0.00	178	0	N.D. d	
67) C647 carbazole	0.00	167	0	N.D.	
68) C650 Di-n-butylphthalate	11.77	149	4755	0.63 ng	83
69) C655 Fluoranthene	12.33	202	12266	1.40 ng	89
71) C715 Pyrene	12.53	202	12695	1.27 ng	91
72) C710 benzidine	0.00	184	0	N.D.	
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.	
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.	
76) C730 Benzo[a]anthracene	13.57	228	5480	0.55 ng	88
77) C735 Chrysene	13.60	228	7816	0.74 ng	92
78) C740 bis(2-Ethylhexyl)ph	13.58	149	6468	N.D.	
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.	
81) C765 Benzo[b]fluoranthene	14.47	252	11933m	0.92 ng	99
82) C770 Benzo[k]fluoranthen	14.48	252	4448	~~N.D.~~ 0.34 ng JCB 12/10/10	
83) C775 Benzo[a]pyrene	14.74	252	7047	0.64 ng	98
84) C780 Indeno[1,2,3-cd]pyren	15.80	276	7605	0.52 ng	89
85) C785 Dibenz[a,h]anthrace	15.80	278	2802	N.D.	
86) C790 Benzo[g,h,i]perylene	16.09	276	8846	0.71 ng	86

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5330.D Vial: 2
Acq On : 8 Dec 2010 10:24 Operator: MKP
Sample : RTL0572-01 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:53:05 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5330.D
Acq On : 8 Dec 2010 10:24
Sample : RTL0572-01
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:58:10 2010

Vial: 2
Operator: MKP
Inst : HP5973X
Multiplr: 1.00
Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:57:39 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5327.D (8 Dec 2010 9:15)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	82174	40.00	ng	0.00 95.39%
4) CI40 Naphthalene-d8	7.53	136	301833	40.00	ng	0.00 103.34%
7) CI50 Acenaphthene-d8	9.59	164	170923	40.00	ng	0.00 107.03%
10) CI60 Phenanthrene-d10	11.19	188	289818	40.00	ng	0.00 109.18%
12) CI70 Chrysene-d12	13.58	240	408284	40.00	ng	0.00 119.73%
13) CI75 Perylene-d12	14.80	264	515579	40.00	ng	0.00 137.82%

Target Compounds					Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	
3) E145 Acetophenone	0.00	105	0	N.D. d	
5) E655 Caprolactam	0.00	113	0	N.D.	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.	
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.	
11) E510 Atrazine	0.00	200	0	N.D.	

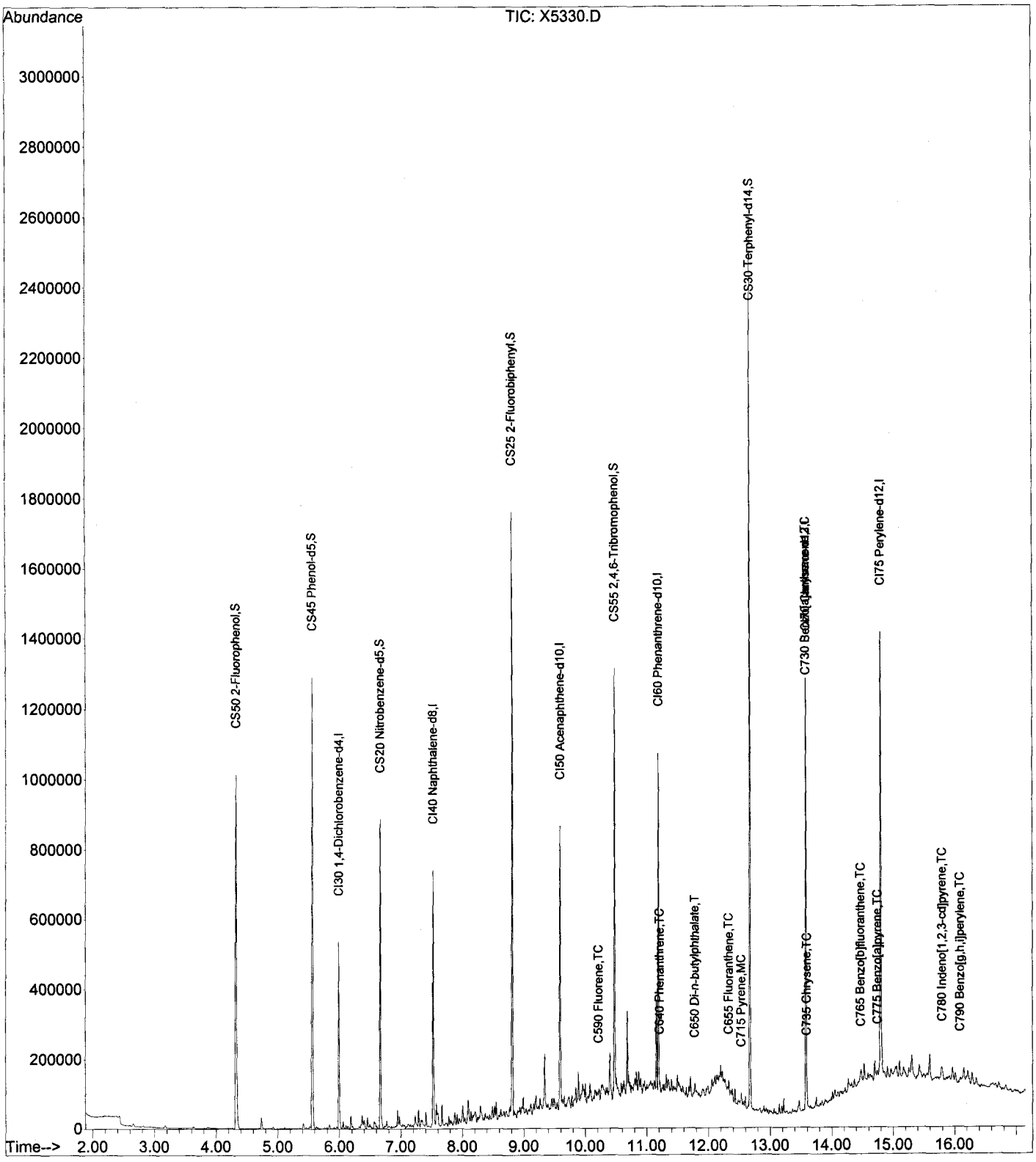
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5330.D
Acq On : 8 Dec 2010 10:24
Sample : RTL0572-01
Misc :
MS Integration Params: rteint.p

Vial: 2
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 09 12:53:05 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

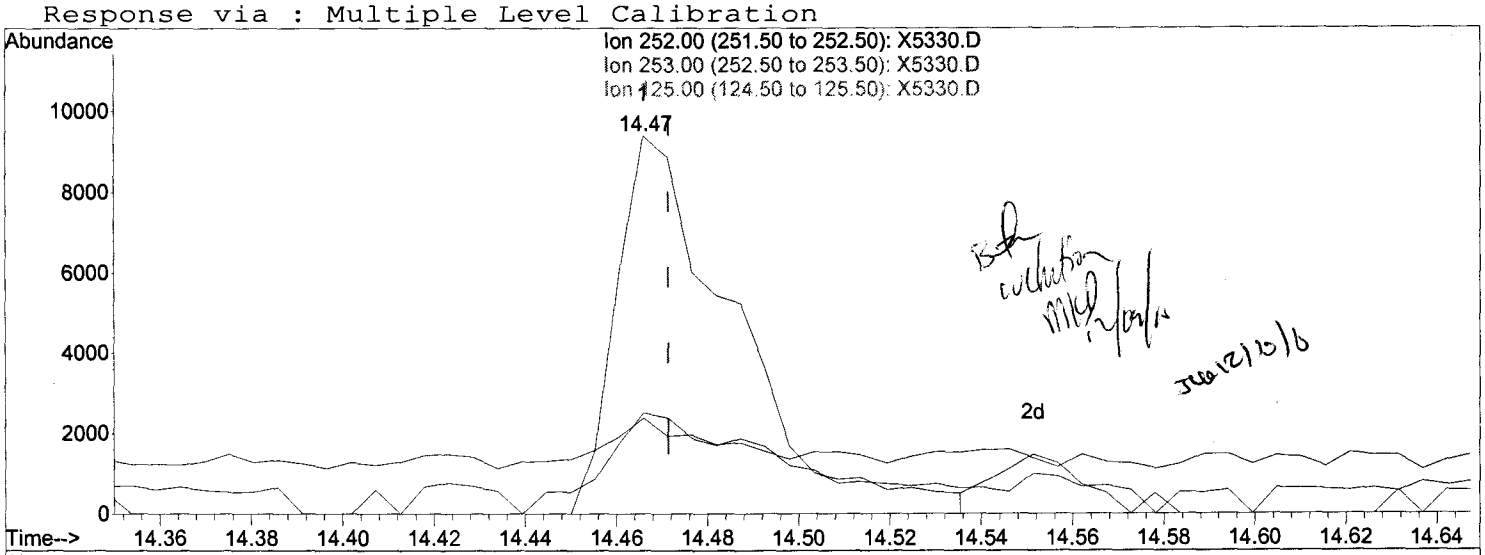


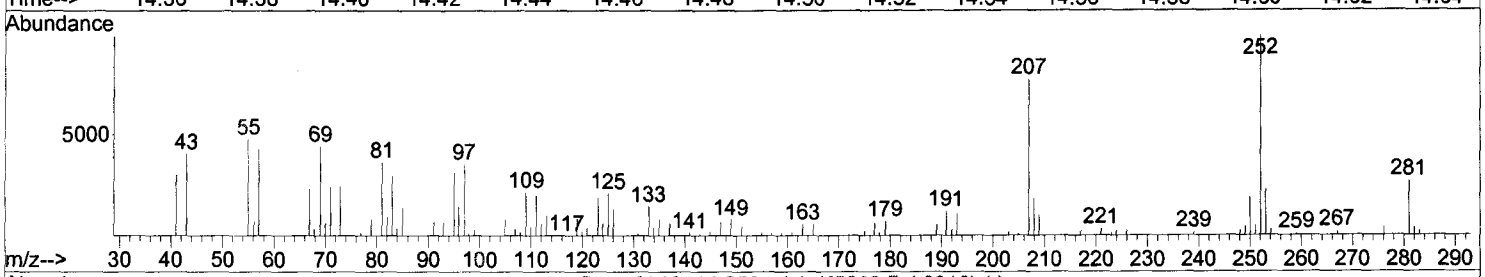
Quantitation Report (Qedit)

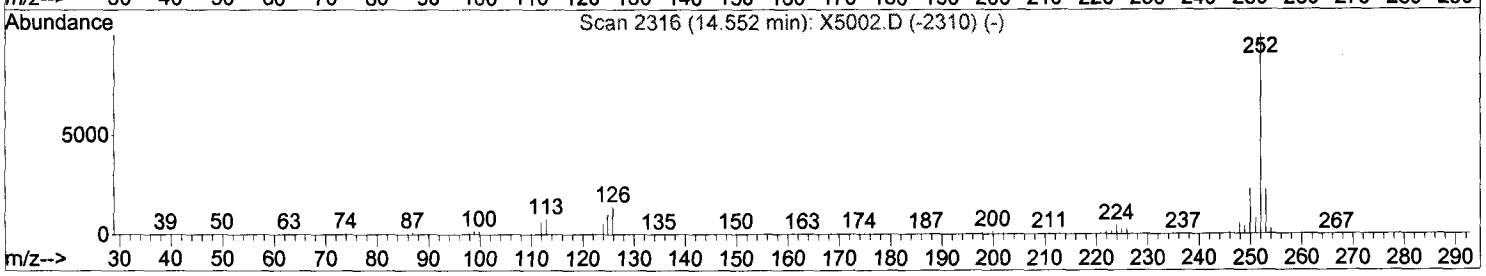
Data File : D:\DATA\120810\X5330.D
Acq On : 8 Dec 2010 10:24
Sample : RTL0572-01
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:52:16 2010

Vial: 2
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Multiple Level Calibration







TIC: X5330.D

(81) C765 Benzo[b]fluoranthene (TC)

14.47min (-0.006) 1.31ng

response 16921

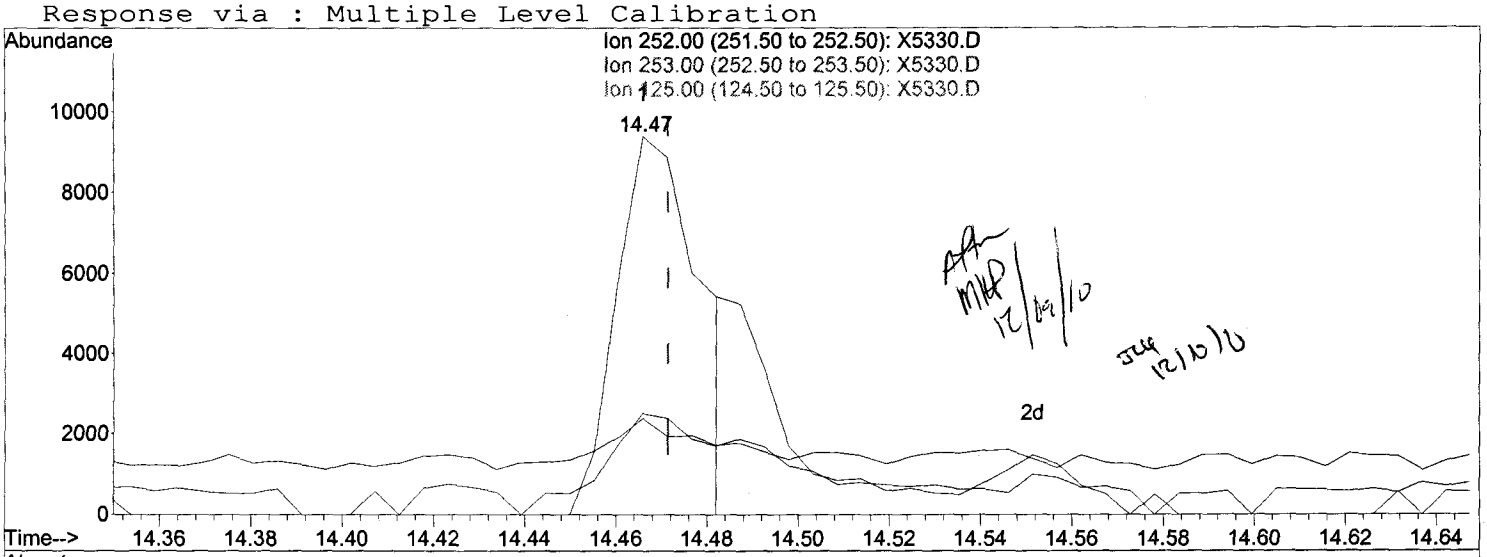
Ion	Exp%	Act%
252.00	100	100
253.00	21.10	21.03
125.00	11.00	11.48
0.00	0.00	0.00

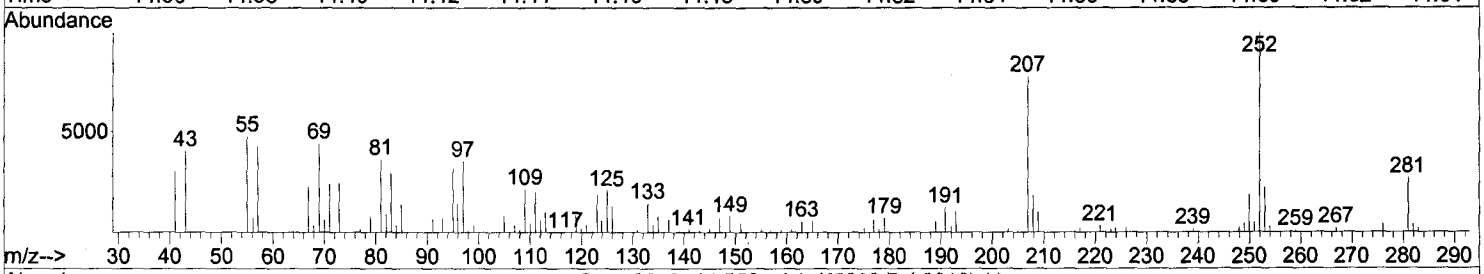
Quantitation Report (Qedit)

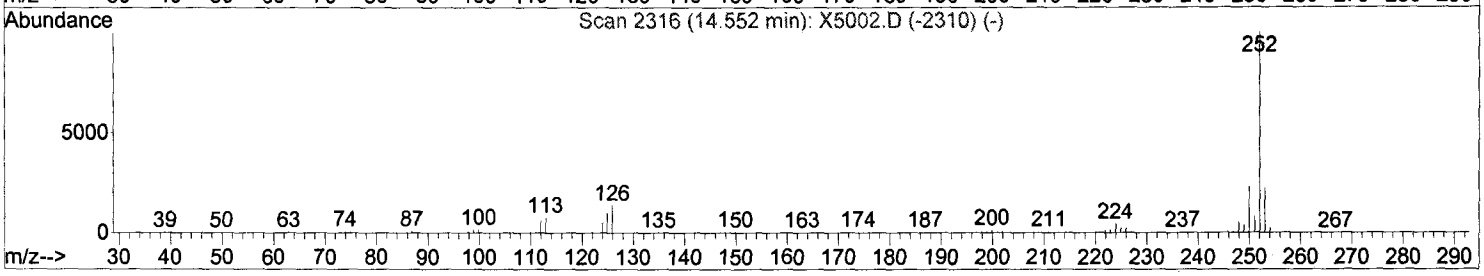
Data File : D:\DATA\120810\X5330.D
Acq On : 8 Dec 2010 10:24
Sample : RTL0572-01
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:52:16 2010

Vial: 2
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Multiple Level Calibration







TIC: X5330.D

(81) C765 Benzo[b]fluoranthene (TC)

14.47min (-0.006) 0.92ng m

response 11933

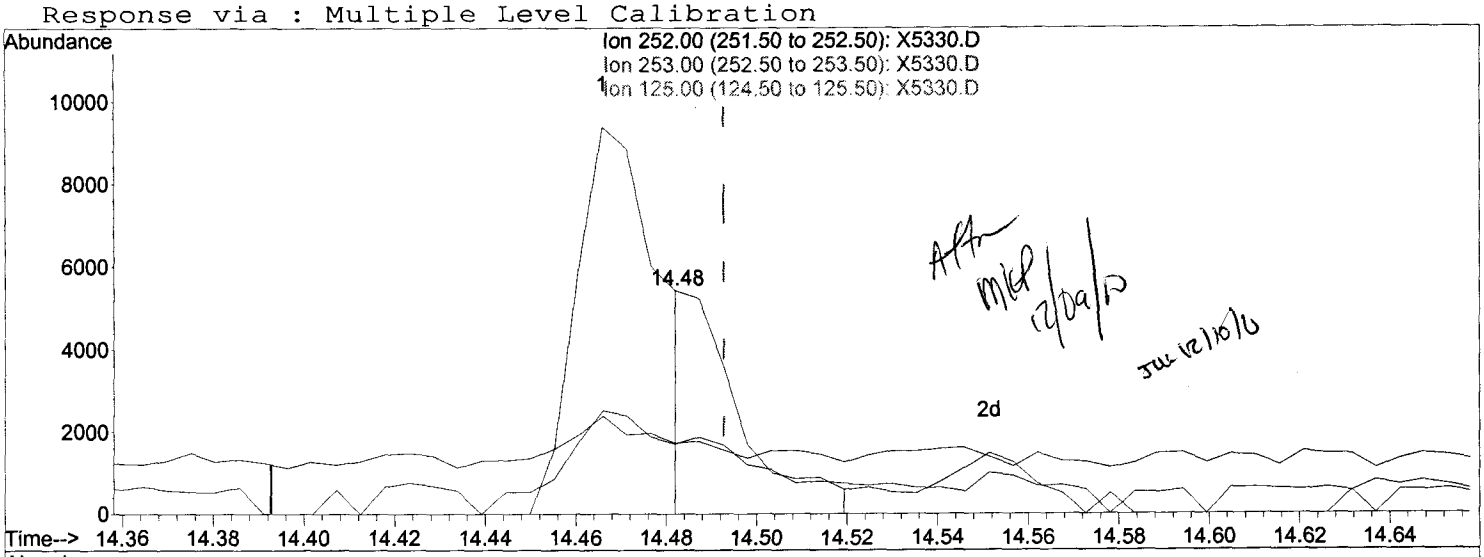
Ion	Exp%	Act%
252.00	100	100
253.00	21.10	26.78
125.00	11.00	25.37
0.00	0.00	0.00

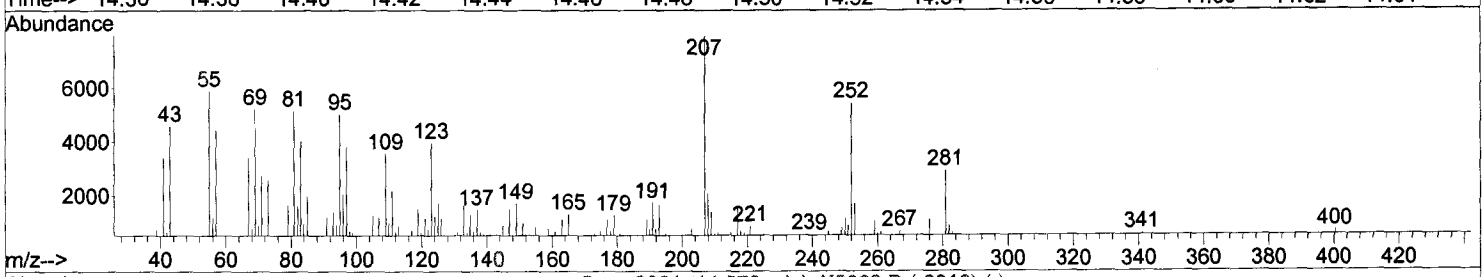
Quantitation Report (Qedit)

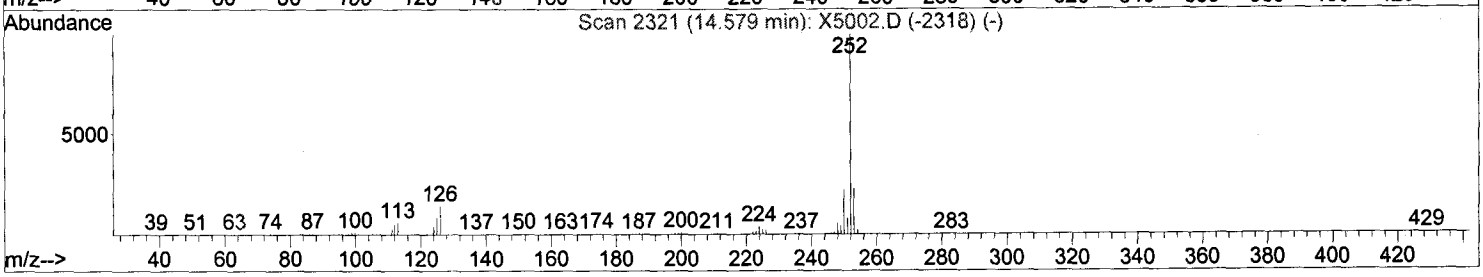
Data File : D:\DATA\120810\X5330.D
Acq On : 8 Dec 2010 10:24
Sample : RTL0572-01
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:52:16 2010

Vial: 2
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Multiple Level Calibration







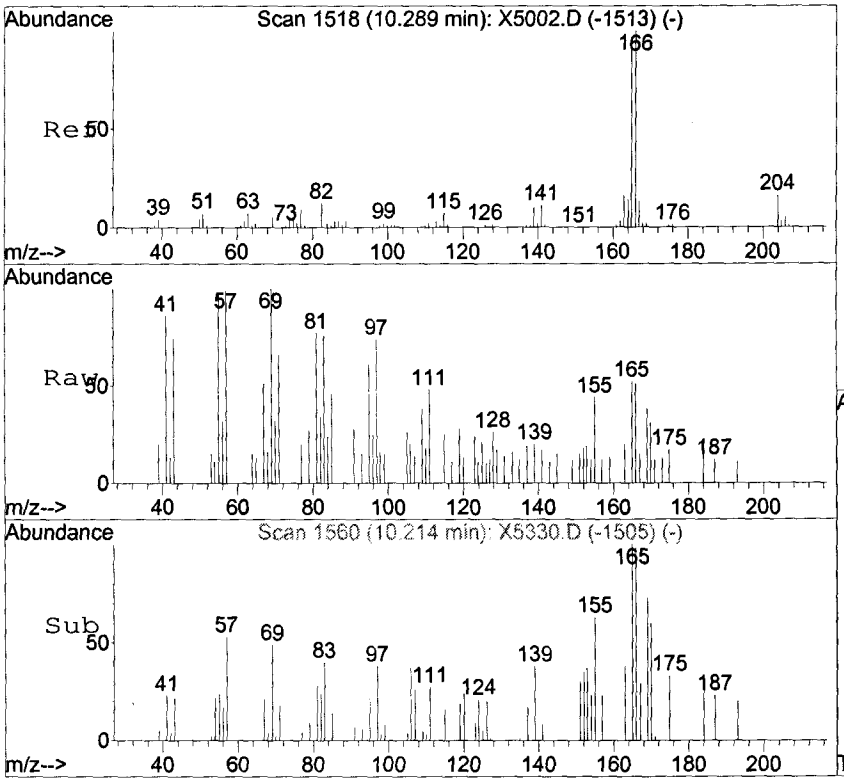
TIC: X5330.D

(82) C770 Benzo[k]fluoranthene (TC)

14.48min (-0.011) 0.34ng m

response 4448

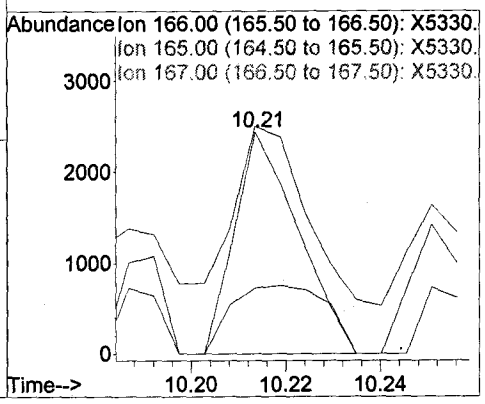
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	31.37
125.00	11.50	31.74#
0.00	0.00	0.00

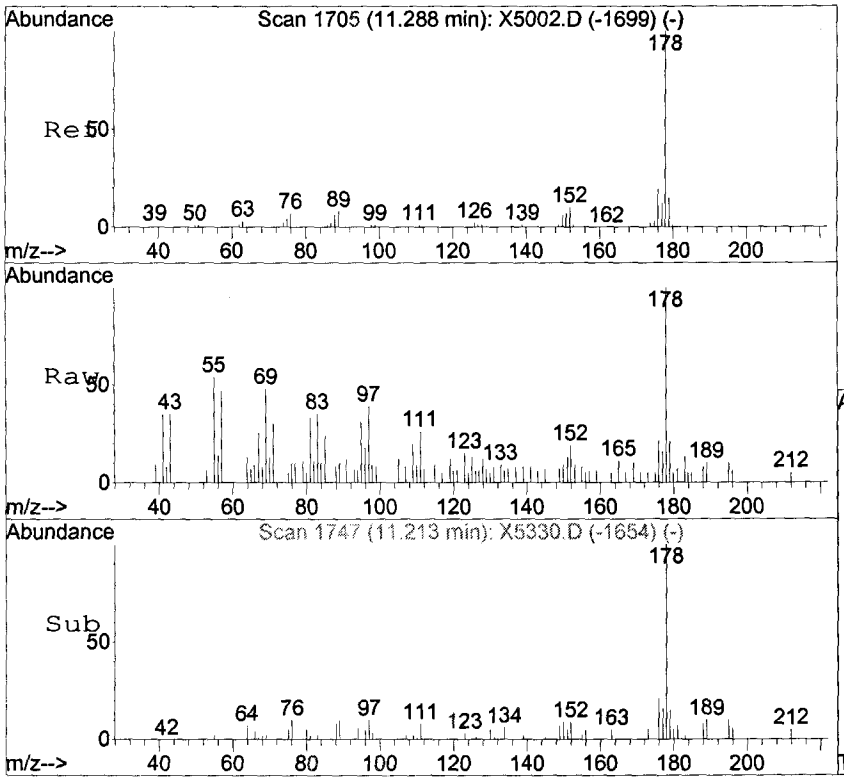


#53
C590 Fluorene
Concen: 0.46 ng
RT: 10.21 min Scan# 1560
Delta R.T. -0.01 min
Lab File: X5330.D
Acq: 8 Dec 2010 10:24

Tgt Ion:166 Resp: 2280

Ion	Ratio	Lower	Upper
166	100		
165	81.0	67.6	107.6
167	29.7	0.0	33.3

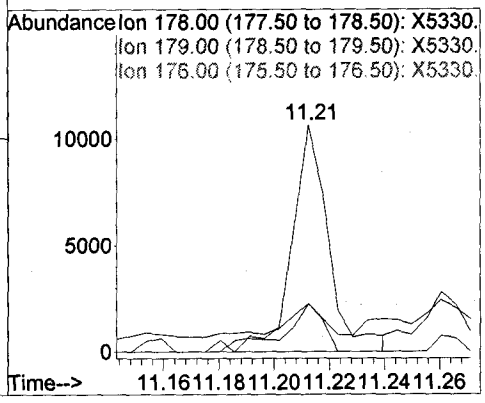


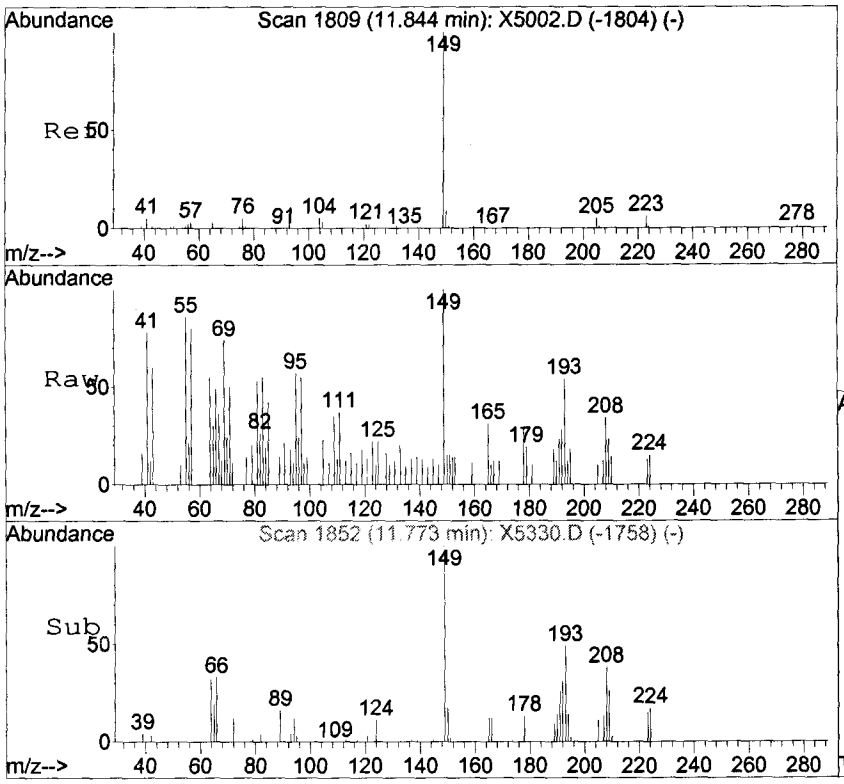


#65
C640 Phenanthrene
Concen: 1.32 ng
RT: 11.21 min Scan# 1747
Delta R.T. -0.01 min
Lab File: X5330.D
Acq: 8 Dec 2010 10:24

Tgt Ion:178 Resp: 9941

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	35.2
176	21.3	0.0	38.7

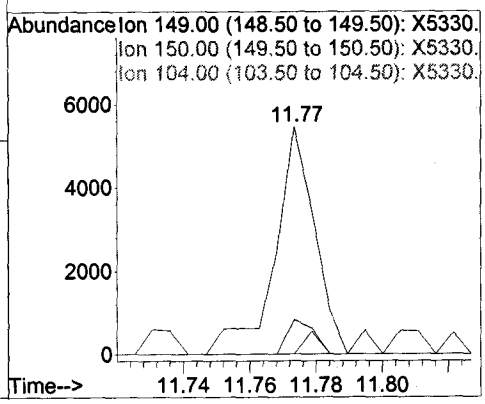


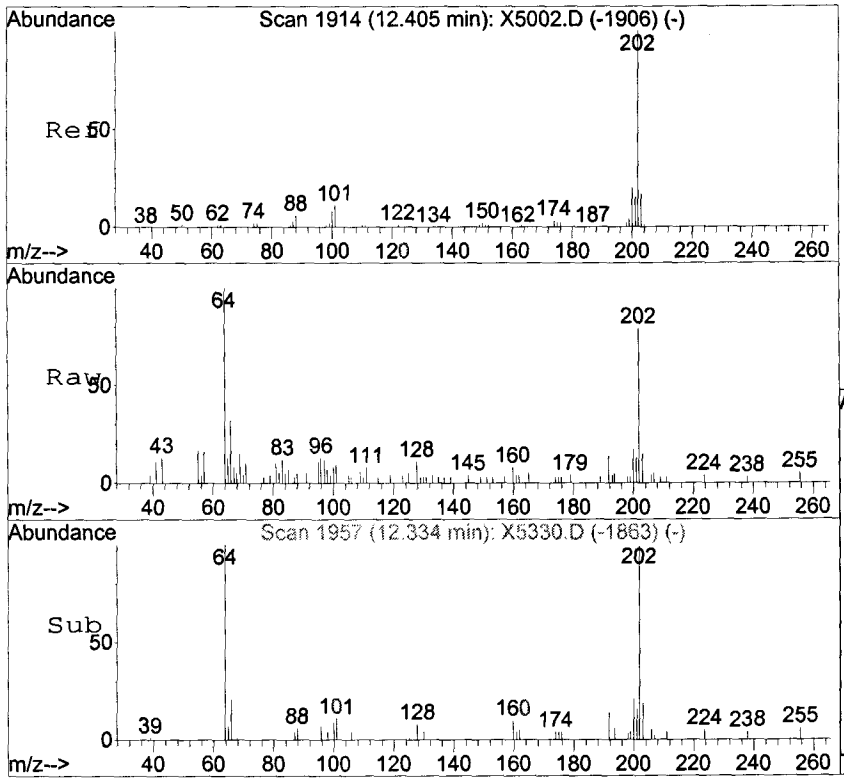


#68
C650 Di-n-butylphthalate
Concen: 0.63 ng
RT: 11.77 min Scan# 1852
Delta R.T. -0.00 min
Lab File: X5330.D
Acq: 8 Dec 2010 10:24

Tgt Ion:149 Resp: 4755

Ion	Ratio	Lower	Upper
149	100		
150	15.1	0.0	29.0
104	0.0	0.0	25.3

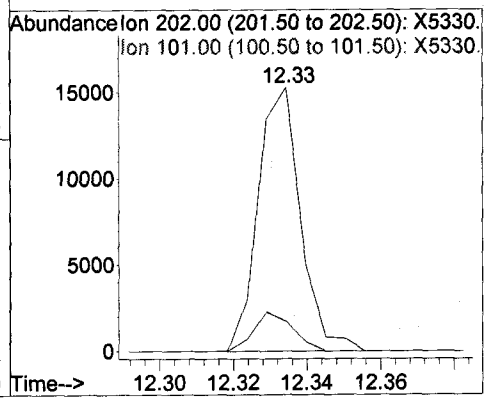


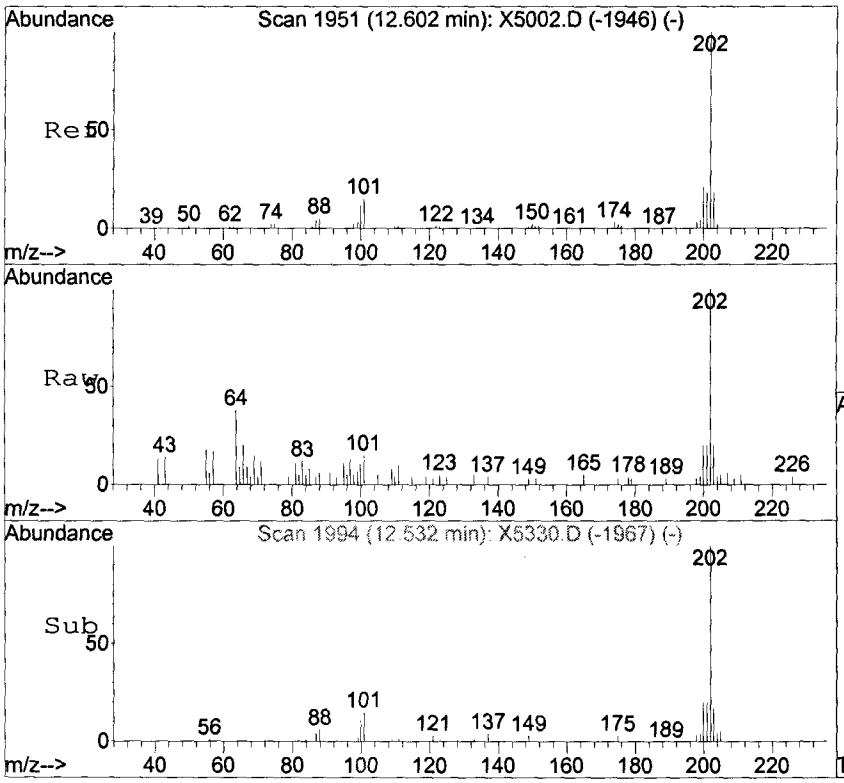


#69
C655 Fluoranthene
Concen: 1.40 ng
RT: 12.33 min Scan# 1957
Delta R.T. -0.00 min
Lab File: X5330.D
Acq: 8 Dec 2010 10:24

Tgt Ion:202 Resp: 12266

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	35.8

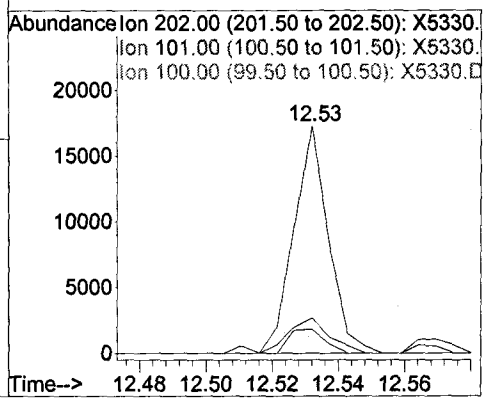


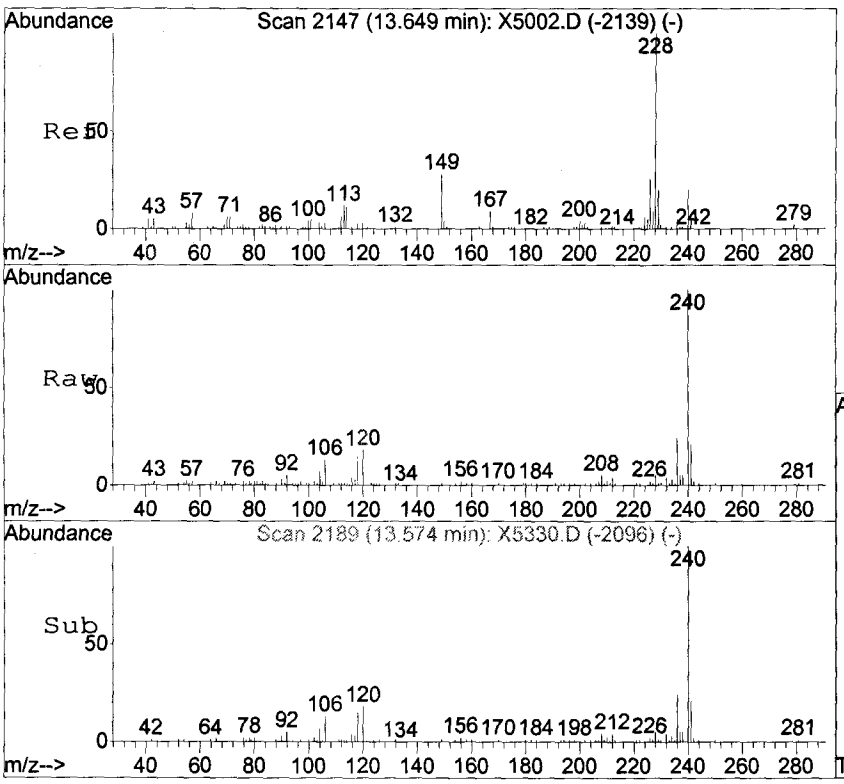


#71
C715 Pyrene
Concen: 1.27 ng
RT: 12.53 min Scan# 1994
Delta R.T. -0.01 min
Lab File: X5330.D
Acq: 8 Dec 2010 10:24

Tgt Ion:202 Resp: 12695

Ion	Ratio	Lower	Upper
202	100		
101	15.4	0.0	39.0
100	10.5	0.0	34.4

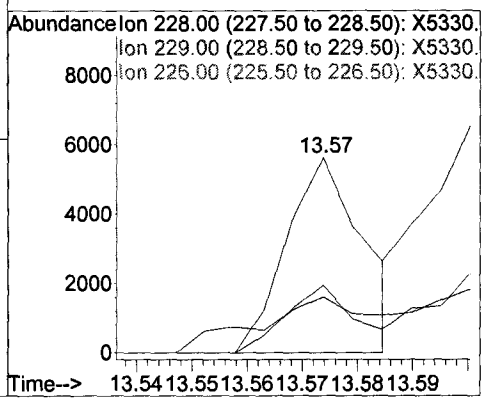


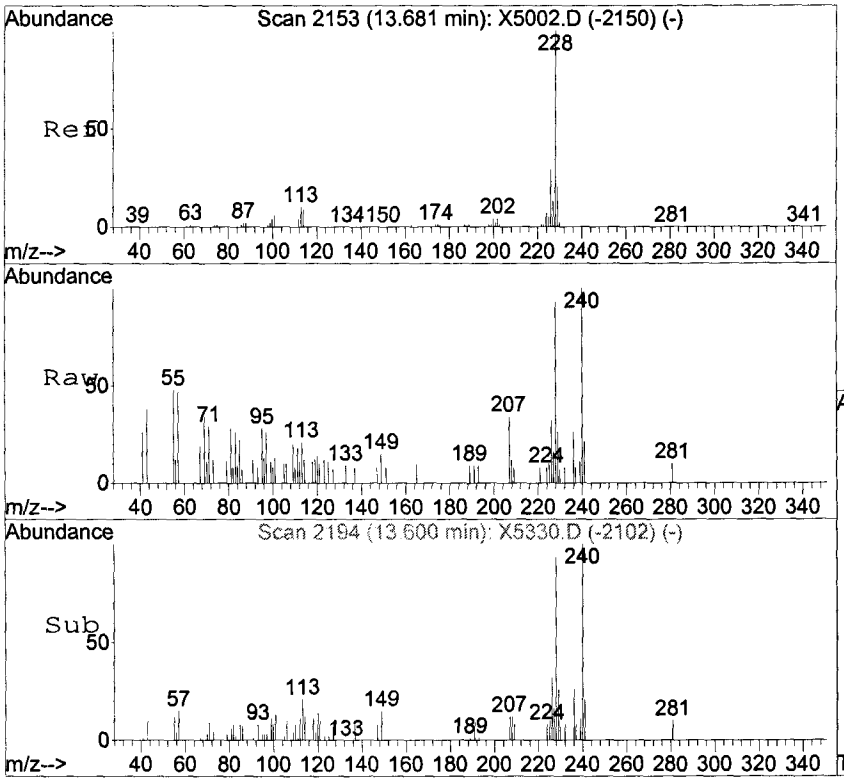


#76
C730 Benzo[a]anthracene
Concen: 0.55 ng
RT: 13.57 min Scan# 2189
Delta R.T. -0.00 min
Lab File: X5330.D
Acq: 8 Dec 2010 10:24

Tgt Ion:228 Resp: 5480

Ion	Ratio	Lower	Upper
228	100		
229	17.2	0.0	39.2
226	34.6	5.5	45.5

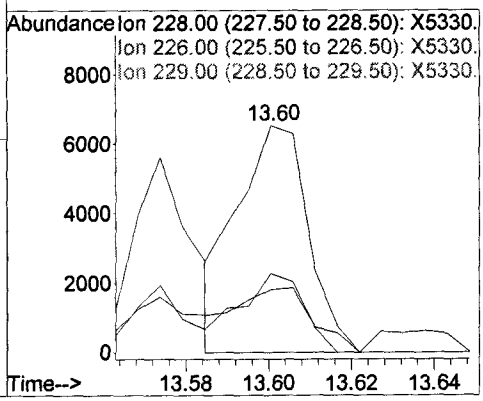


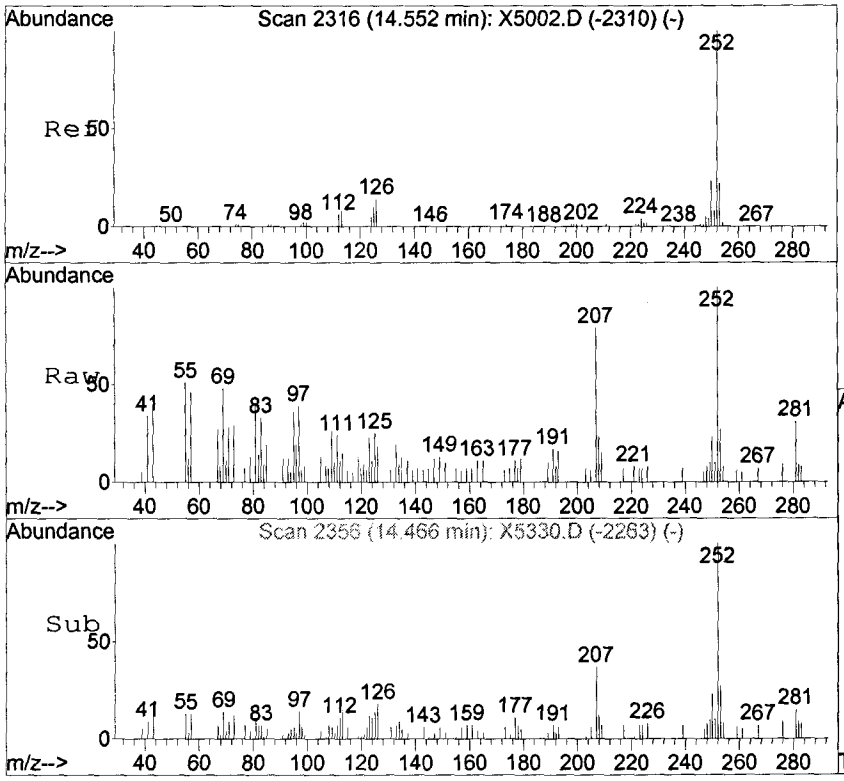


#77
C735 Chrysene
Concen: 0.74 ng
RT: 13.60 min Scan# 2194
Delta R.T. -0.01 min
Lab File: X5330.D
Acq: 8 Dec 2010 10:24

Tgt Ion:228 Resp: 7816

Ion	Ratio	Lower	Upper
228	100		
226	35.1	8.5	48.5
229	18.6	0.0	39.5

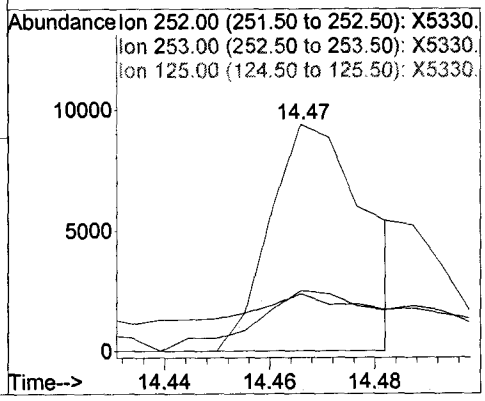


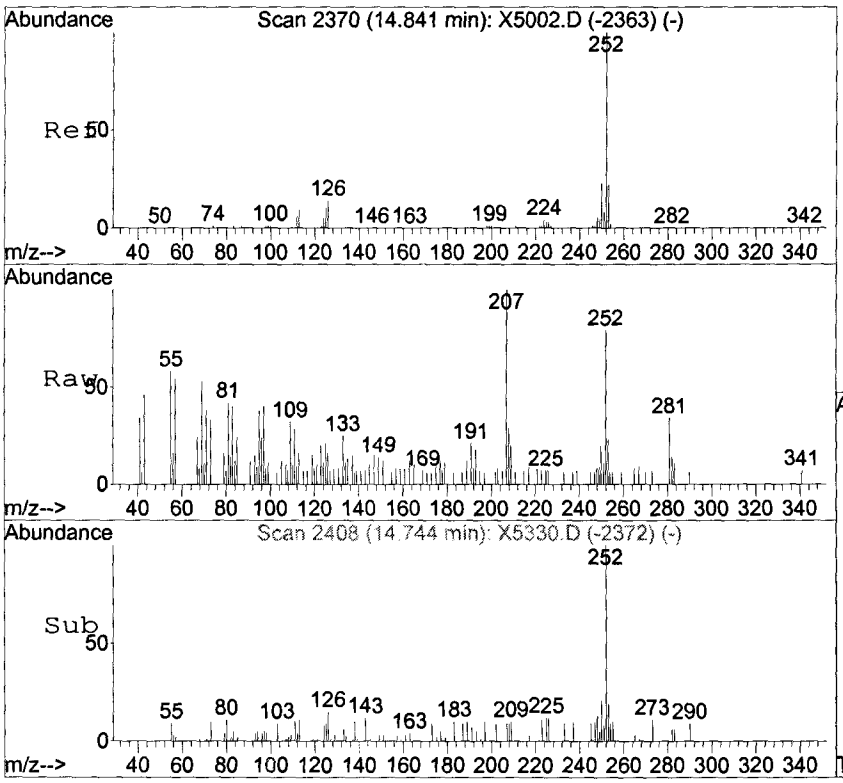


#81
C765 Benzo[b]fluoranthene
Concen: 0.92 ng m
RT: 14.47 min Scan# 2356
Delta R.T. -0.01 min
Lab File: X5330.D
Acq: 8 Dec 2010 10:24

Tgt Ion:252 Resp: 11933

Ion	Ratio	Lower	Upper
252	100		
253	26.8	1.1	41.1
125	25.4	0.0	31.0

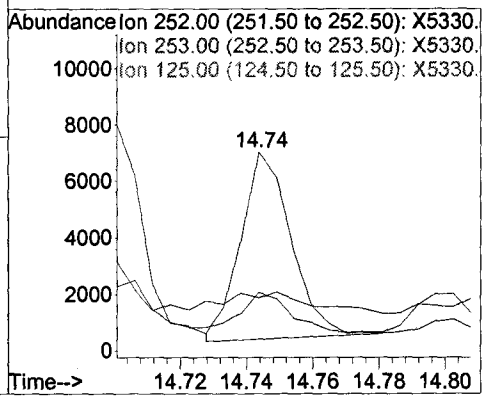


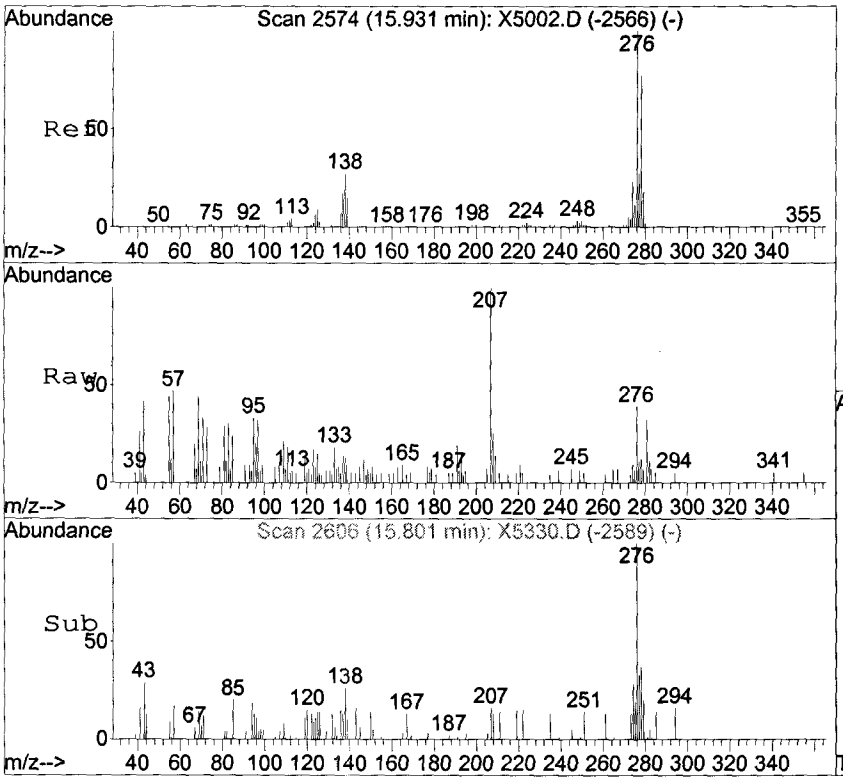


#83
C775 Benzo[a]pyrene
Concen: 0.64 ng
RT: 14.74 min Scan# 2408
Delta R.T. -0.01 min
Lab File: X5330.D
Acq: 8 Dec 2010 10:24

Tgt Ion:252 Resp: 7047

Ion	Ratio	Lower	Upper
252	100		
253	22.4	1.4	41.4
125	8.8	0.0	29.7

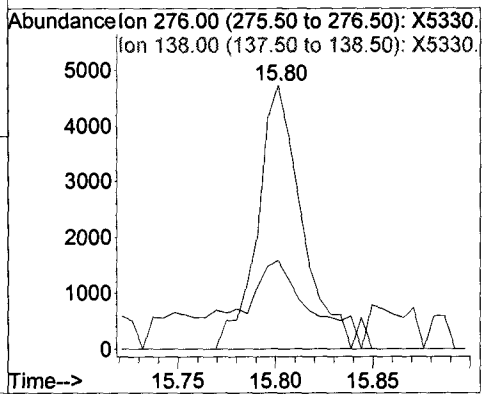


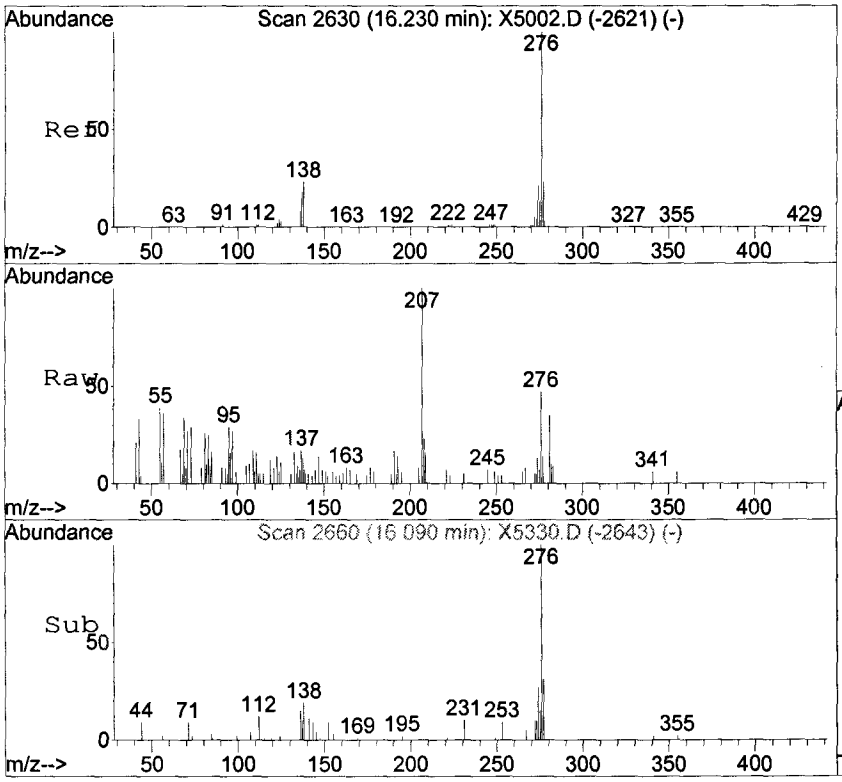


#84
C780 Indeno[1,2,3-cd]pyrene
Concen: 0.52 ng
RT: 15.80 min Scan# 2606
Delta R.T. -0.01 min
Lab File: X5330.D
Acq: 8 Dec 2010 10:24

Tgt Ion:276 Resp: 7605

Ion	Ratio	Lower	Upper
276	100		
138	21.7	7.2	47.2

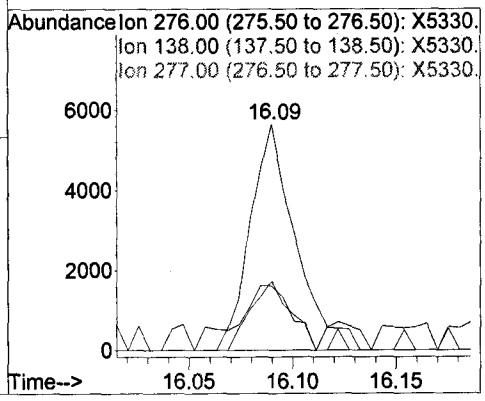




#86
C790 Benzo[g,h,i]perylene
Concen: 0.71 ng
RT: 16.09 min Scan# 2660
Delta R.T. -0.01 min
Lab File: X5330.D
Acq: 8 Dec 2010 10:24

Tgt Ion:276 Resp: 8846

Ion	Ratio	Lower	Upper
276	100		
138	18.1	3.0	43.0
277	30.8	2.2	42.2



Library Search Compound Report

Data File : D:\DATA\120810\X5330.D
Acq On : 8 Dec 2010 10:24
Sample : RTL0572-01
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

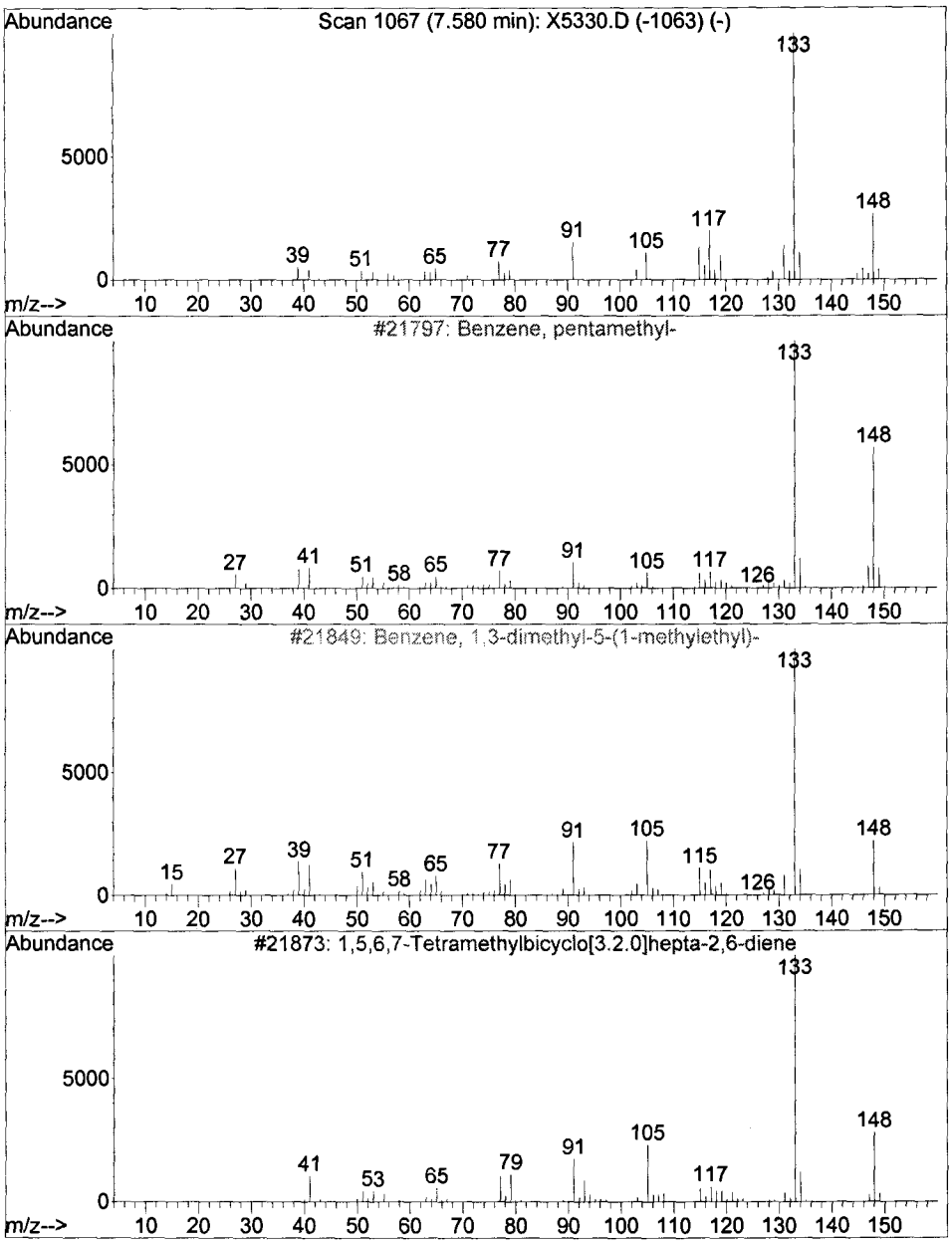
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Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

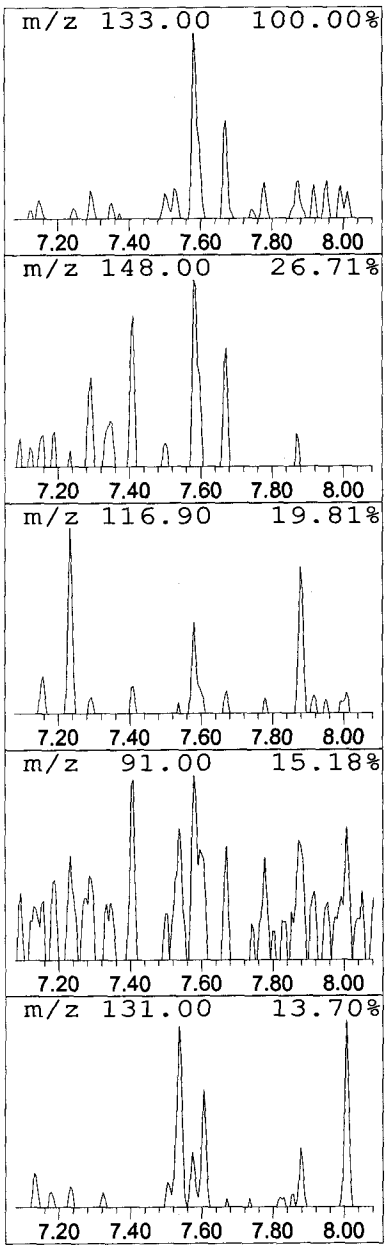
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Peak Number 1 Benzene, pentamethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
7.58	4.02 ng	67436	CI40 Naphthalene-	670542	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	74
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	74
3	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	64
4	4-tert-Butyltoluene	148	C11H16	000098-51-1	62
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58





Library Search Compound Report

Data File : D:\DATA\120810\X5330.D
Acq On : 8 Dec 2010 10:24
Sample : RTL0572-01
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

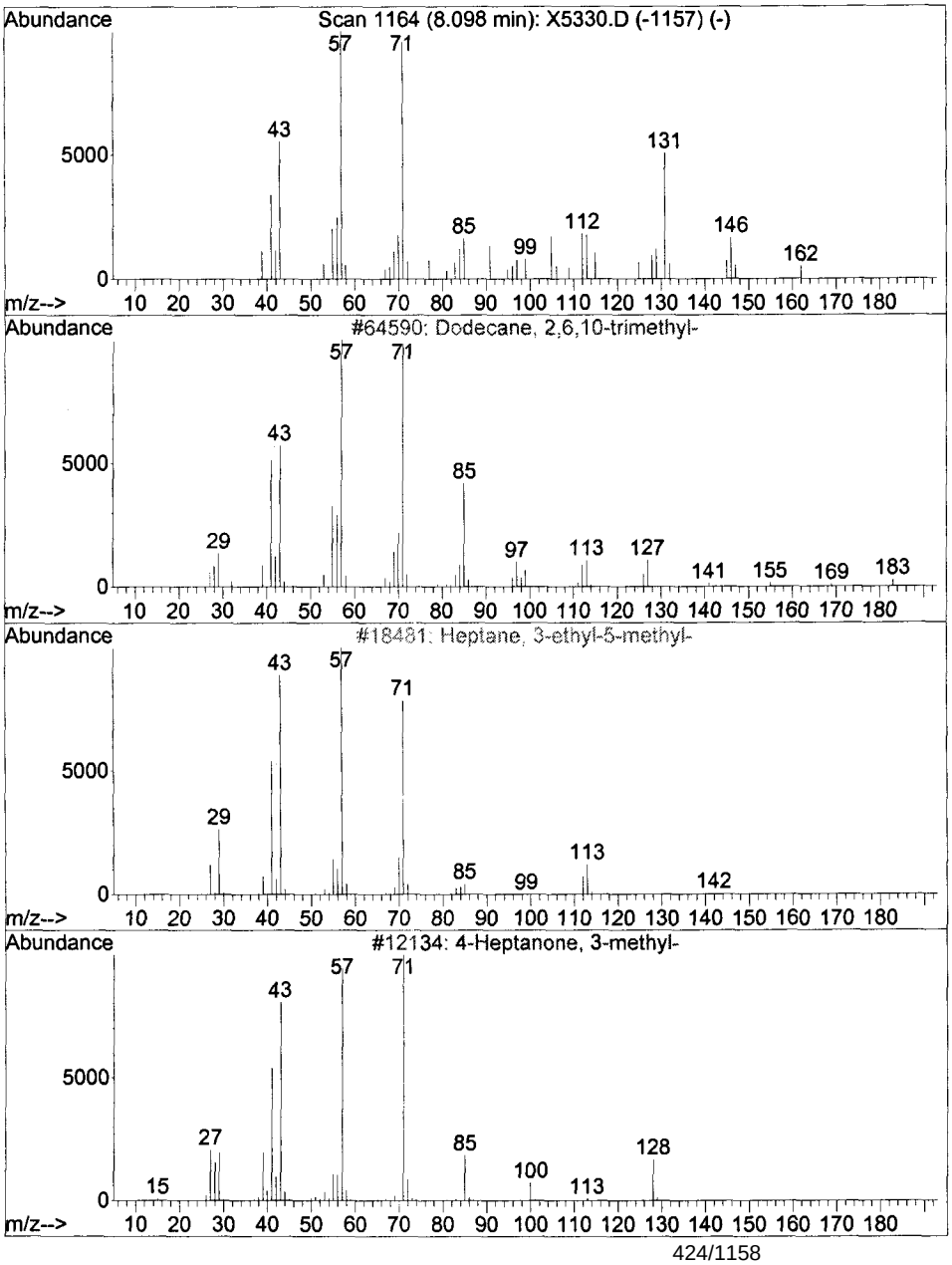
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Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

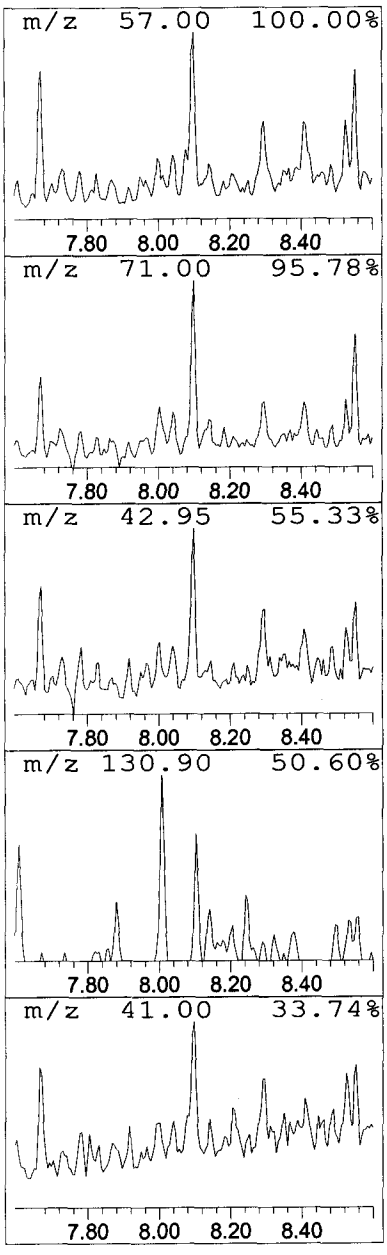
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Peak Number 2 Dodecane, 2,6,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
8.10	6.74 ng	112945	CI40 Naphthalene-	670542	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	49
2	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	47
3	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	43
4	Octane, 2-bromo-	192	C8H17Br	000557-35-7	43
5	3-Bromooctane	192	C8H17Br	000999-64-4	38





Library Search Compound Report

Data File : D:\DATA\120810\X5330.D
Acq On : 8 Dec 2010 10:24
Sample : RTL0572-01
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

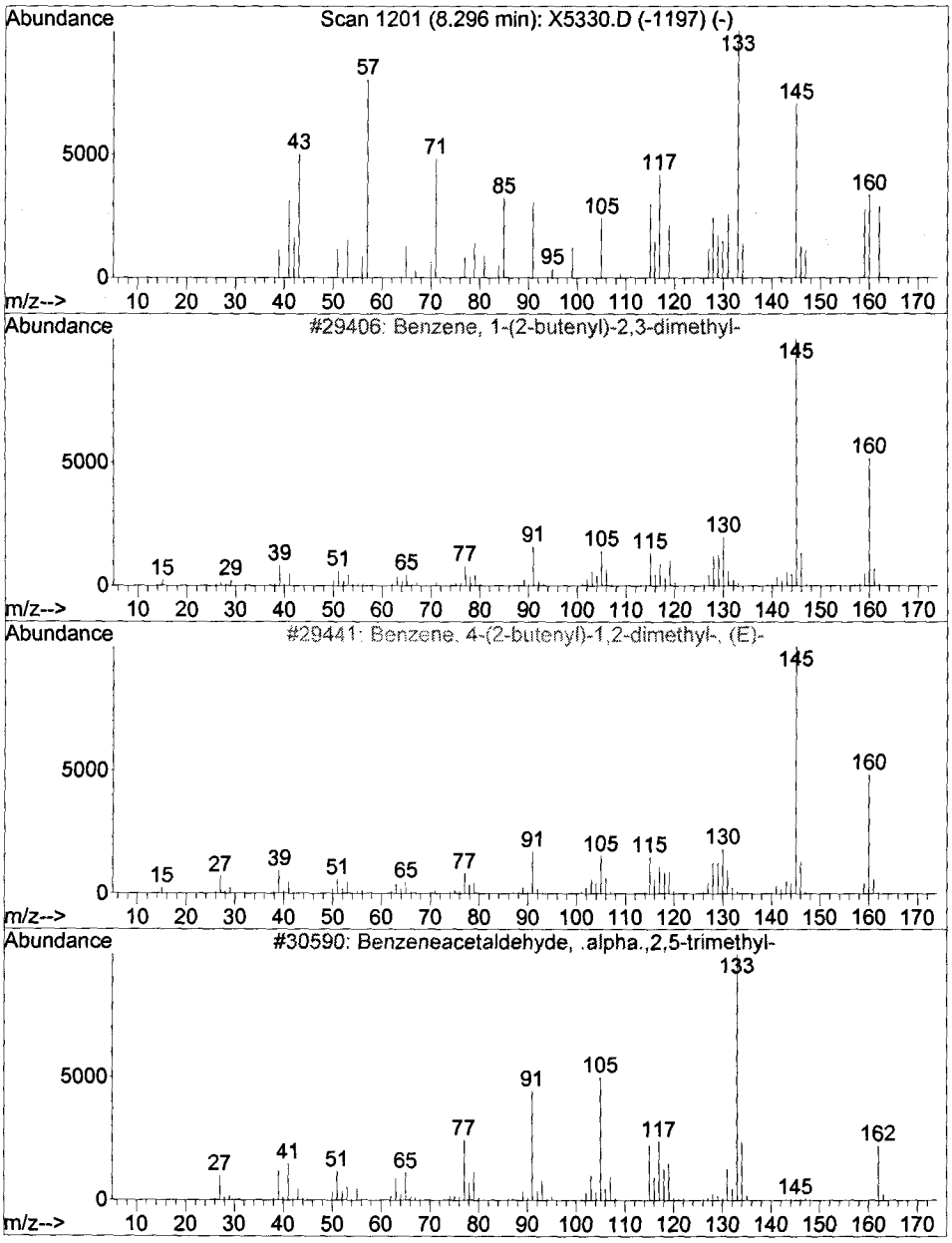
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Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

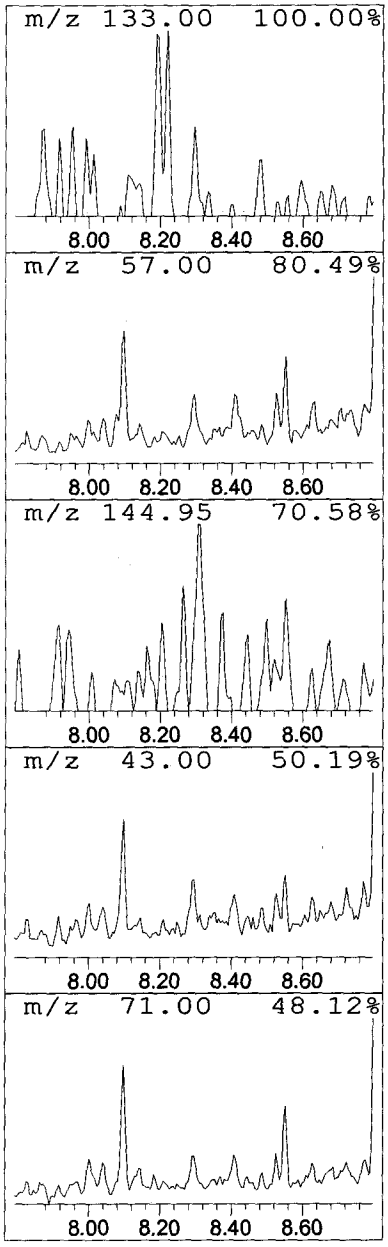
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Peak Number 3 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
8.30	4.21 ng	70600	CI40 Naphthalene-	670542	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	42
2	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	41
3	Benzeneacetaldehyde, .alpha.,2,5...	162	C11H14O	052417-50-2	38
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	38
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	27





Library Search Compound Report

Data File : D:\DATA\120810\X5330.D
Acq On : 8 Dec 2010 10:24
Sample : RTL0572-01
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

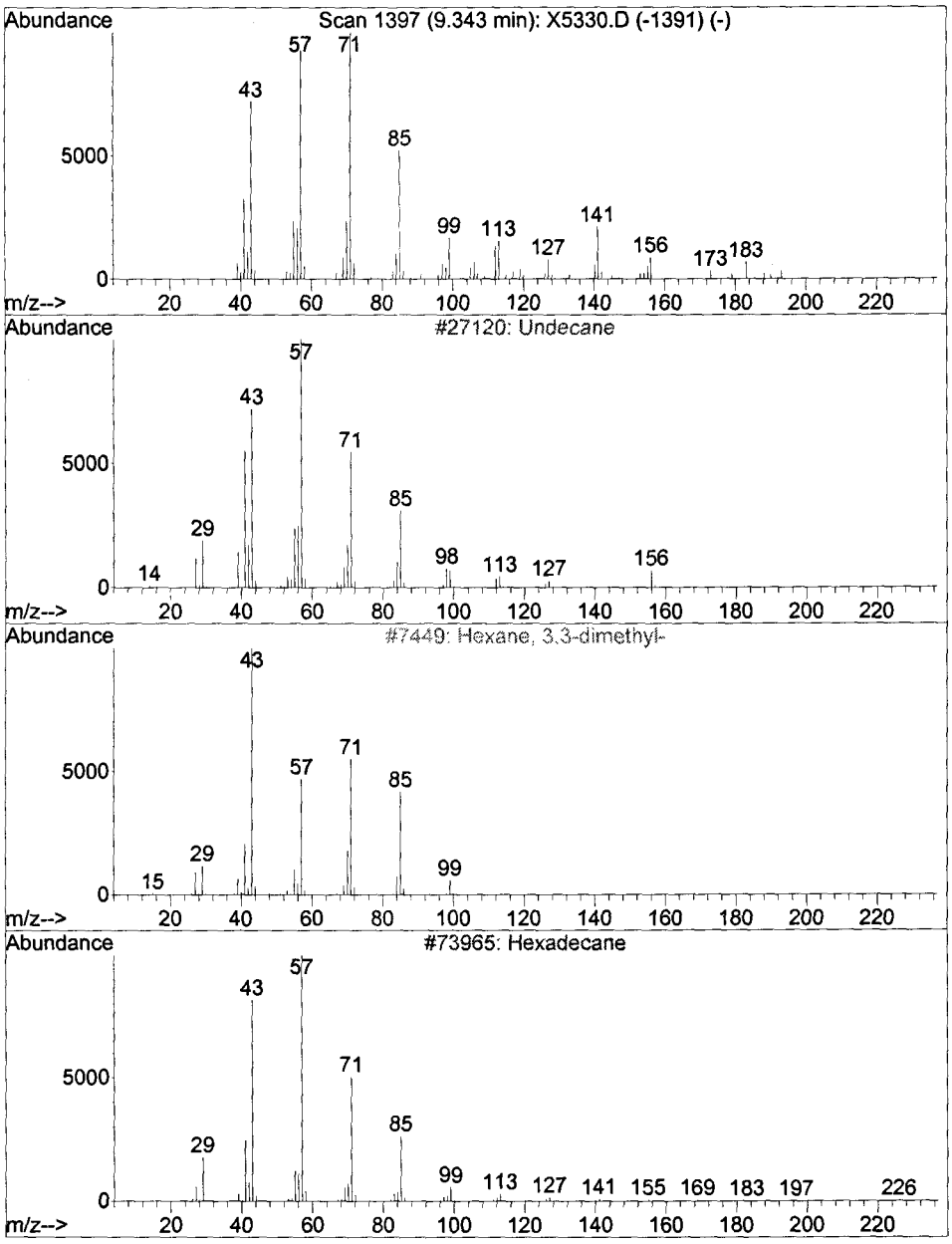
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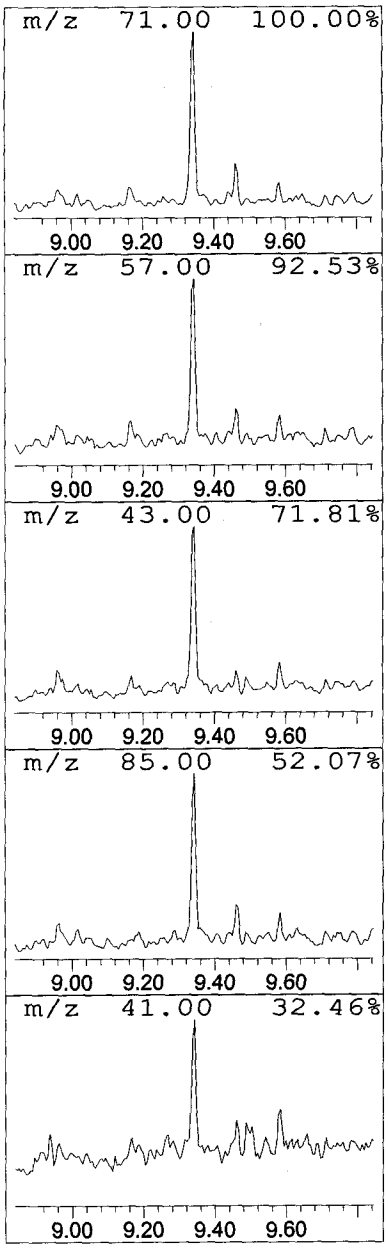
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Peak Number 4 Undecane — Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
9.34	8.13 ng	159801	CI50 Acenaphthene	786181	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	83
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	58
3	Hexadecane	226	C16H34	000544-76-3	53
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	53
5	Octadecane	254	C18H38	000593-45-3	49





Library Search Compound Report

Data File : D:\DATA\120810\X5330.D
Acq On : 8 Dec 2010 10:24
Sample : RTL0572-01
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

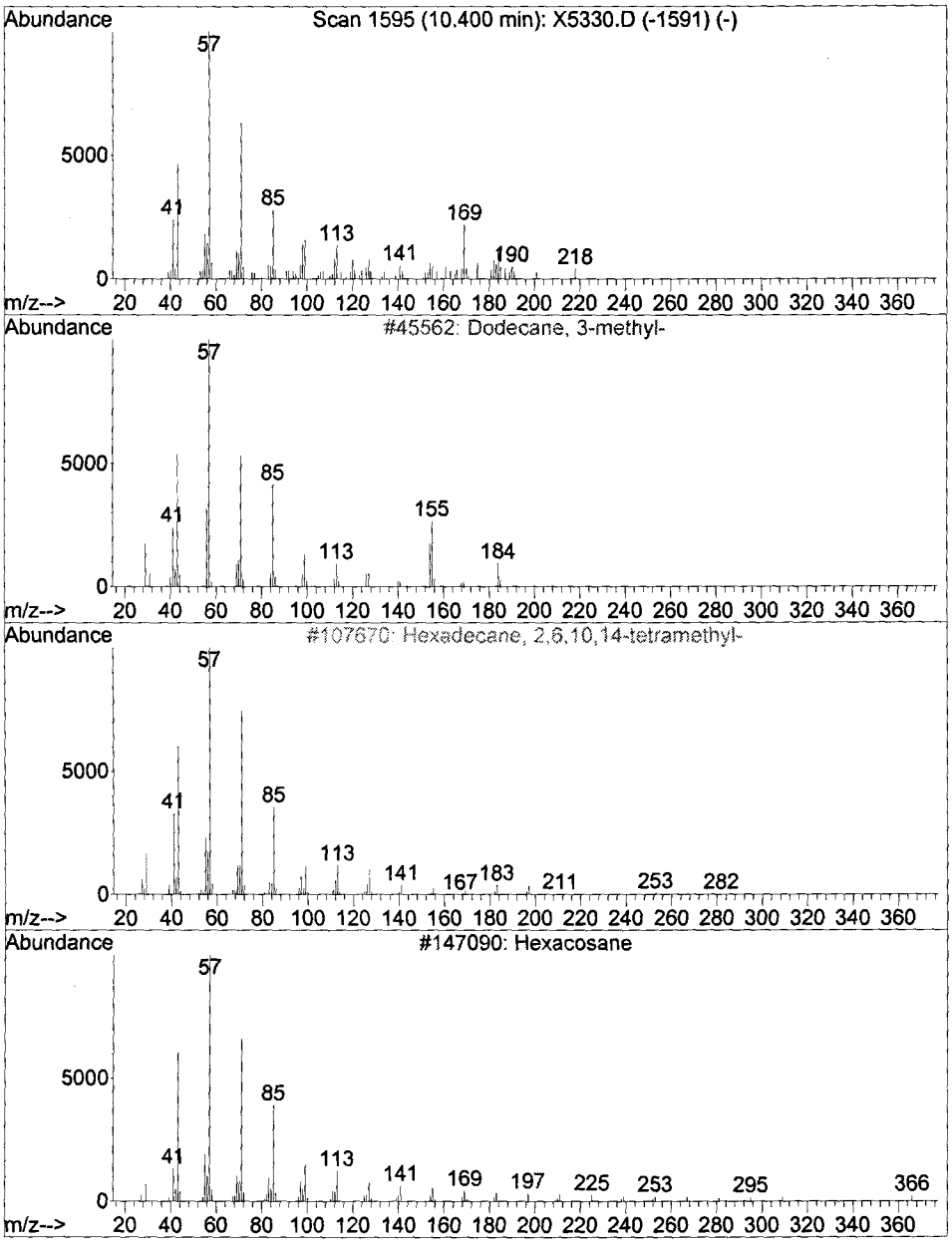
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

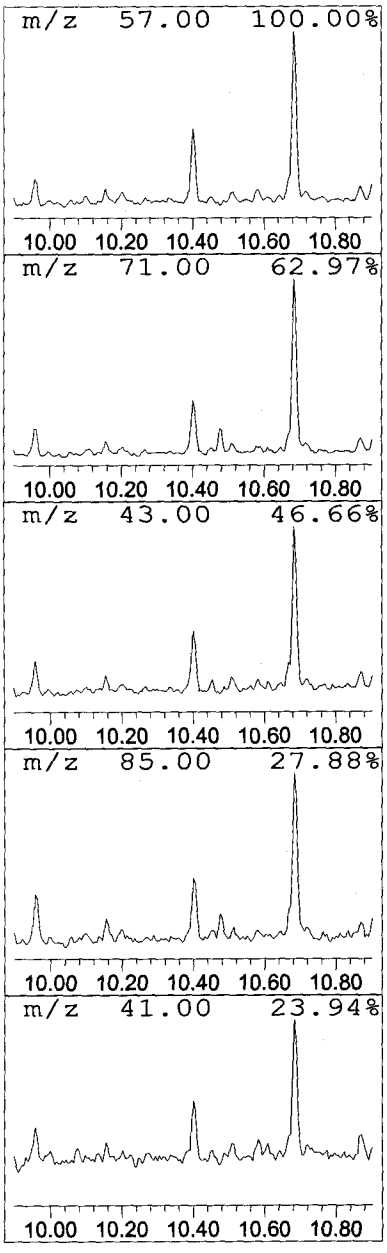
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Peak Number 5 Dodecane, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
10.40	9.66 ng	179286	CI60 Phenanthrene	742746	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	60
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58
3	Hexacosane	366	C26H54	000630-01-3	53
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	53
5	Hexadecane	226	C16H34	000544-76-3	52





Library Search Compound Report

Data File : D:\DATA\120810\X5330.D
Acq On : 8 Dec 2010 10:24
Sample : RTL0572-01
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

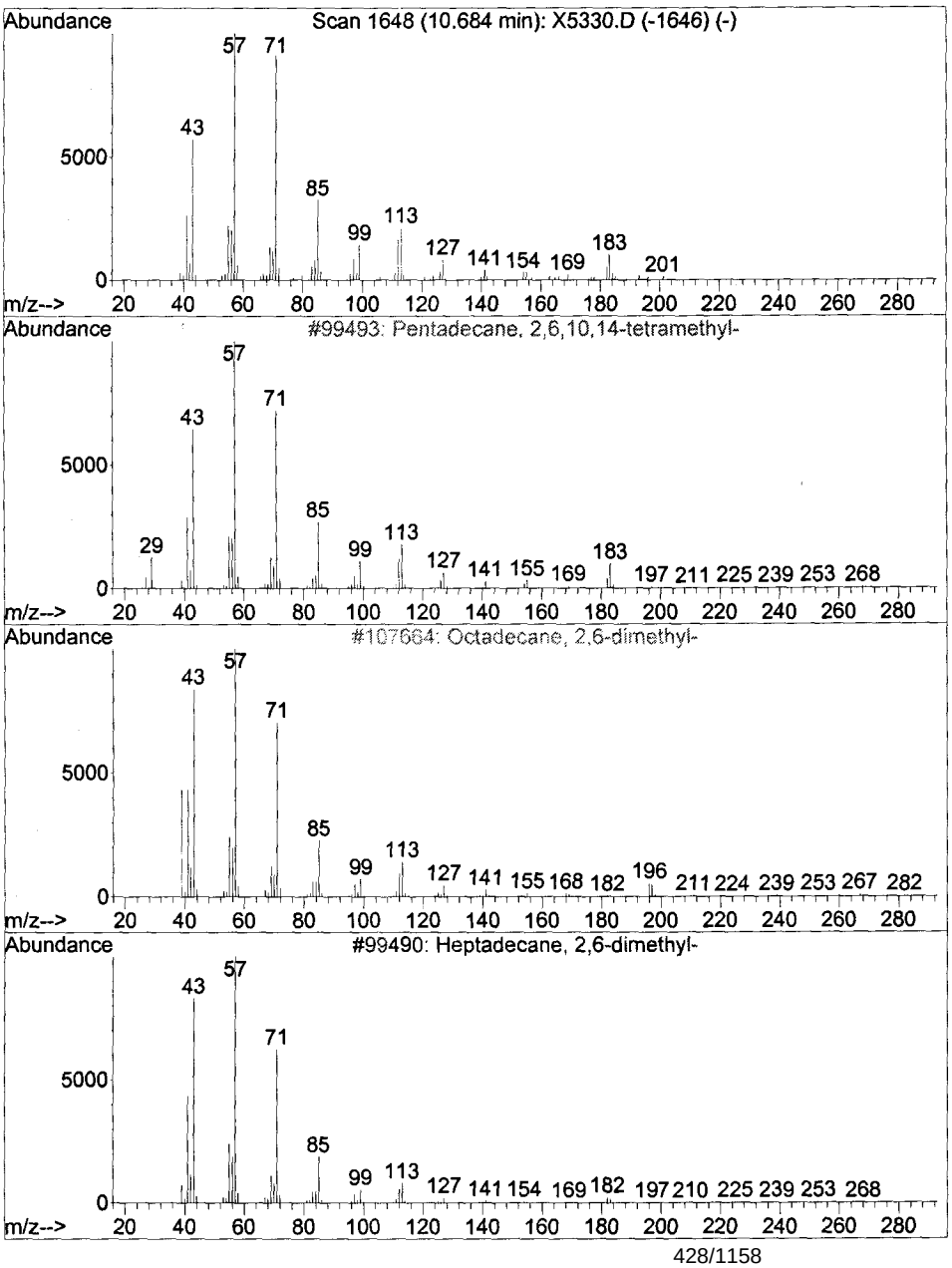
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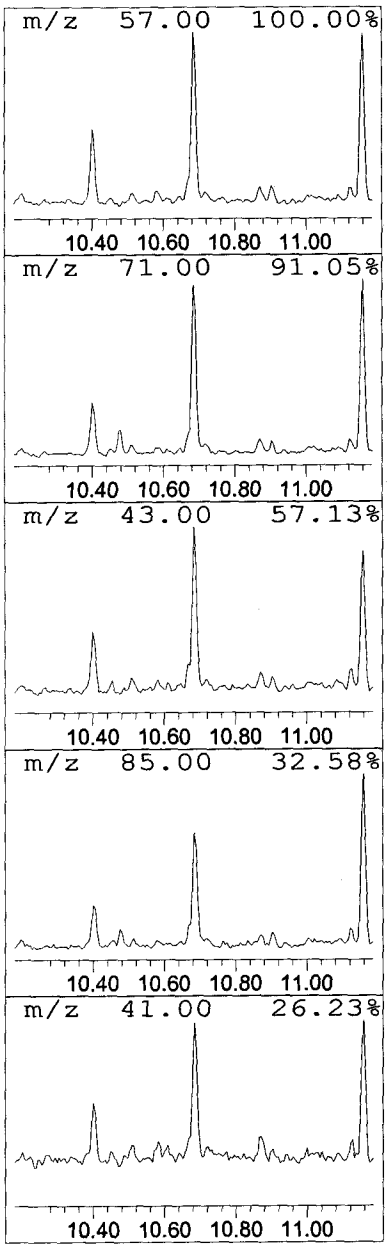
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Peak Number 6 Pentadecane, 2,6,10,14-tetr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
10.68	9.61 ng	178470	CI60 Phenanthrene	742746	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	86
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	85
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	83
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80





Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120810\X5330.D
Acq On : 8 Dec 2010 10:24
Sample : RTL0572-01
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Benzene, pentamet...	7.58	4.0	ng	67436	2	7.53	670542	40.0
Dodecane, 2,6,10-...	8.10	6.7	ng	112945	2	7.53	670542	40.0
Benzene, 1-(2-but...	8.30	4.2	ng	70600	2	7.53	670542	40.0
Undecane	9.34	8.1	ng	159801	3	9.59	786181	40.0
Dodecane, 3-methyl-	10.40	9.7	ng	179286	4	11.19	742746	40.0
Pentadecane, 2,6,...	10.68	9.6	ng	178470	4	11.19	742746	40.0

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-2-6-8

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-02	File ID:	X5331.D
Sampled:	12/06/10 09:40	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 10:46
Solids:	80.41	Preparation:	3550B MB	Initial/Final:	30.41 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	210	U
95-95-4	2,4,5-Trichlorophenol	1	210	U
88-06-2	2,4,6-Trichlorophenol	1	210	U
120-83-2	2,4-Dichlorophenol	1	210	U
105-67-9	2,4-Dimethylphenol	1	210	U
51-28-5	2,4-Dinitrophenol	1	400	U
121-14-2	2,4-Dinitrotoluene	1	210	U
606-20-2	2,6-Dinitrotoluene	1	210	U
91-58-7	2-Chloronaphthalene	1	210	U
95-57-8	2-Chlorophenol	1	210	U
91-57-6	2-Methylnaphthalene	1	410	
95-48-7	2-Methylphenol	1	210	U
88-74-4	2-Nitroaniline	1	400	U
88-75-5	2-Nitrophenol	1	210	U
91-94-1	3,3'-Dichlorobenzidine	1	210	U
99-09-2	3-Nitroaniline	1	400	U
534-52-1	4,6-Dinitro-2-methylphenol	1	400	U
101-55-3	4-Bromophenyl phenyl ether	1	210	U
59-50-7	4-Chloro-3-methylphenol	1	210	U
106-47-8	4-Chloroaniline	1	210	U
7005-72-3	4-Chlorophenyl phenyl ether	1	210	U
106-44-5	4-Methylphenol	1	400	U
100-01-6	4-Nitroaniline	1	400	U
100-02-7	4-Nitrophenol	1	400	U
83-32-9	Acenaphthene	1	25	J
208-96-8	Acenaphthylene	1	210	U
98-86-2	Acetophenone	1	210	U
120-12-7	Anthracene	1	50	J
1912-24-9	Atrazine	1	210	U
100-52-7	Benzaldehyde	1	210	U
56-55-3	Benzo(a)anthracene	1	91	J
50-32-8	Benzo(a)pyrene	1	85	J
205-99-2	Benzo(b)fluoranthene	1	110	J
191-24-2	Benzo(ghi)perylene	1	51	J
207-08-9	Benzo(k)fluoranthene	1	39	J
92-52-4	Biphenyl	1	32	J
111-91-1	Bis(2-chloroethoxy)methane	1	210	U
111-44-4	Bis(2-chloroethyl)ether	1	210	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	210	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-2-6-8

Laboratory: TestAmerica Buffalo SDG: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid Laboratory ID: RTL0572-02 File ID: X5331.D

Sampled: 12/06/10 09:40 Prepared: 12/07/10 10:08 Analyzed: 12/08/10 10:46

Solids: 80.41 Preparation: 3550B MB Initial/Final: 30.41 g / 1 mL

Batch: 10L0497 Sequence: T005575 Calibration: R10K083 Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	210	U
105-60-2	Caprolactam	1	210	U
86-74-8	Carbazole	1	210	U
218-01-9	Chrysene	1	94	J
53-70-3	Dibenzo(a,h)anthracene	1	210	U
132-64-9	Dibenzofuran	1	210	U
84-66-2	Diethyl phthalate	1	210	U
131-11-3	Dimethyl phthalate	1	210	U
84-74-2	Di-n-butyl phthalate	1	210	U
117-84-0	Di-n-octyl phthalate	1	210	U
206-44-0	Fluoranthene	1	210	
86-73-7	Fluorene	1	39	J
118-74-1	Hexachlorobenzene	1	210	U
87-68-3	Hexachlorobutadiene	1	210	U
77-47-4	Hexachlorocyclopentadiene	1	210	U
67-72-1	Hexachloroethane	1	210	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	38	J
78-59-1	Isophorone	1	210	U
91-20-3	Naphthalene	1	410	
98-95-3	Nitrobenzene	1	210	U
621-64-7	N-Nitrosodi-n-propylamine	1	210	U
86-30-6	N-Nitrosodiphenylamine	1	210	U
87-86-5	Pentachlorophenol	1	400	U
85-01-8	Phenanthrene	1	170	J
108-95-2	Phenol	1	210	U
129-00-0	Pyrene	1	180	J

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
000103-65-1	Benzene, propyl-	5.352	1100	
none	Unknown01	5.422	900	
none	Unknown02	5.464	990	
none	Unknown03	5.63	1200	
none	Unknown04	5.796	2300	
none	Unknown05	6.079	800	
none	Unknown06	6.218	690	
none	Unknown07	6.319	910	
none	Unknown08	6.399	1600	
none	Unknown09	6.49	500	
none	Unknown10	6.581	1200	
none	Unknown11	6.608	560	
none	Unknown12	6.944	810	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-2-6-8

Laboratory:	TestAmerica Buffalo		SDG:	RTL0572	
Client:	PARS Environmental, Inc.		Project:	NF Armed Forces Reserve Center Solids Testing	
Matrix:	Solid	Laboratory ID:	RTL0572-02	File ID:	X5331.D
Sampled:	12/06/10 09:40	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 10:46
Solids:	80.41	Preparation:	3550B MB	Initial/Final:	30.41 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
none	Unknown13	6.98	860	
none	Unknown14	7.158	630	
none	Unknown15	7.233	1500	
none	Unknown16	8.488	840	
none	Unknown17	9.113	620	
none	Unknown18	9.204	620	
none	Unknown19	9.973	520	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6130	7060	115	39 - 146	
2-Fluorobiphenyl	4090	3700	91	37 - 120	
2-Fluorophenol	6130	4840	79	18 - 120	
Nitrobenzene-d5	4090	3650	89	34 - 132	
Phenol-d5	6130	5360	87	11 - 120	
p-Terphenyl-d14	4090	3430	84	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	71381	5.99	97150	5.99	
Acenaphthene-d10	154983	9.59	204736	9.59	
Chrysene-d12	366101	13.58	416640	13.58	
Naphthalene-d8	263909	7.53	352894	7.53	
Perylene-d12	475458	14.8	500422	14.8	
Phenanthrene-d10	262232	11.19	344124	11.19	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5331.D Vial: 3
Acq On : 8 Dec 2010 10:46 Operator: MKP
Sample : RTL0572-02 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:53:54 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	71381	40.00	ng	0.00 73.48%
21) CI40 Naphthalene-d8	7.53	136	263909	40.00	ng	0.00 74.78%
37) CI50 Acenaphthene-d10	9.59	164	154983	40.00	ng	0.00 75.70%
58) CI60 Phenanthrene-d10	11.19	188	262232	40.00	ng	0.00 76.20%
70) CI70 Chrysene-d12	13.58	240	366101	40.00	ng	0.00 87.87%
80) CI75 Perylene-d12	14.80	264	475458	40.00	ng	0.00 95.01%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.32	112	327466	118.45	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 78.97%			
6) CS45 Phenol-d5	5.56	99	436797	131.05	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 87.37%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.67	82	235708	89.20	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 89.20%			
41) CS25 2-Fluorobiphenyl	8.81	172	444833	90.51	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 90.51%			
61) CS55 2,4,6-Tribromophenol	10.48	330	119275	172.57	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 115.05%			
73) CS30 Terphenyl-d14	12.68	244	554081	83.96	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 83.96%			

Target Compounds					Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.	
3) E100 Pyridine	0.00	79	0	N.D. d	
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.	
8) C315 Phenol	0.00	94	0	N.D.	
9) C330 2-Chlorophenol	0.00	128	0	N.D.	
10) C320 aniline	0.00	93	0	N.D.	
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.	
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.	
15) C345 Benzyl alcohol	0.00	108	0	N.D.	
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.	
17) C355 2-Methylphenol	0.00	108	0	N.D.	
18) C375 Hexachloroethane	0.00	117	0	N.D. d	
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D. d	
20) C365 4-Methylphenol	0.00	108	0	N.D.	
23) C410 Nitrobenzene	0.00	77	0	N.D. d	
24) C415 Isophorone	0.00	82	0	N.D. d	
25) C011 Tetraethyl Lead	0.00	237	0	N.D.	
26) C430 benzoic acid	0.00	122	0	N.D.	
27) C420 2-Nitrophenol	0.00	139	0	N.D.	
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D. d	

Data File : D:\DATA\120810\X5331.D Vial: 3
Acq On : 8 Dec 2010 10:46 Operator: MKP
Sample : RTL0572-02 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:53:54 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D. d	
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D. d	
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.	
32) C450 Naphthalene	7.55	128	67171	10.02 ng	98
33) C455 4-Chloroaniline	0.00	127	0	N.D. d	
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.	
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.	
36) C470 2-Methylnaphthalene	8.38	142	42672	9.93 ng	100
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.	
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.	
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.	
42) C525 2-Chloronaphthalene	0.00	162	0	N.D. d	
43) C530 2-Nitroaniline	0.00	65	0	N.D.	
44) C540 Acenaphthylene	0.00	152	0	N.D. d	
45) C535 Dimethylphthalate	0.00	163	0	N.D.	
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.	
47) C550 Acenaphthene	9.63	153	2509	0.62 ng	89
48) C545 3-Nitroaniline	0.00	138	0	N.D.	
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
50) C565 Dibenzofuran	9.83	168	2502	N.D.	
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
52) C560 4-Nitrophenol	0.00	109	0	N.D.	
53) C590 Fluorene	10.21	166	4230	0.95 ng	93
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.	
55) C580 Diethylphthalate	0.00	149	0	N.D.	
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.	
57) C595 4-Nitroaniline	0.00	138	0	N.D.	
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.	
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D. d	
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.	
63) C630 Hexachlorobenzene	0.00	284	0	N.D.	
64) C635 Pentachlorophenol	0.00	266	0	N.D.	
65) C640 Phenanthrene	11.21	178	28397	4.17 ng	98
66) C645 Anthracene	11.27	178	8278	1.23 ng	83
67) C647 carbazole	0.00	167	0	N.D.	
68) C650 Di-n-butylphthalate	11.77	149	3671	0.53 ng	92
69) C655 Fluoranthene	12.33	202	41062	5.18 ng	94
71) C715 Pyrene	12.53	202	40195	4.48 ng	92
72) C710 benzidine	0.00	184	0	N.D.	
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.	
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.	
76) C730 Benzo[a]anthracene	13.57	228	20035	2.22 ng	97
77) C735 Chrysene	13.61	228	22026	2.31 ng	96
78) C740 bis(2-Ethylhexyl)ph	13.59	149	4452	N.D.	
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.	
81) C765 Benzo[b]fluoranthene	14.47	252	30990m	2.60 ng	96
82) C770 Benzo[k]fluoranthene	14.49	252	11422m	0.95 ng	96
83) C775 Benzo[a]pyrene	14.75	252	20958	2.07 ng	94
84) C780 Indeno[1,2,3-cd]pyren	15.80	276	12601	0.94 ng	92
85) C785 Dibenz[a,h]anthrace	15.81	278	3908	N.D.	
86) C790 Benzo[g,h,i]perylene	16.09	276	14203	1.24 ng	87

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5331.D Vial: 3
Acq On : 8 Dec 2010 10:46 Operator: MKP
Sample : RTL0572-02 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:53:54 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:58:20 2010

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00
Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:57:39 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5327.D (8 Dec 2010 9:15)

EMKP 12/09/10

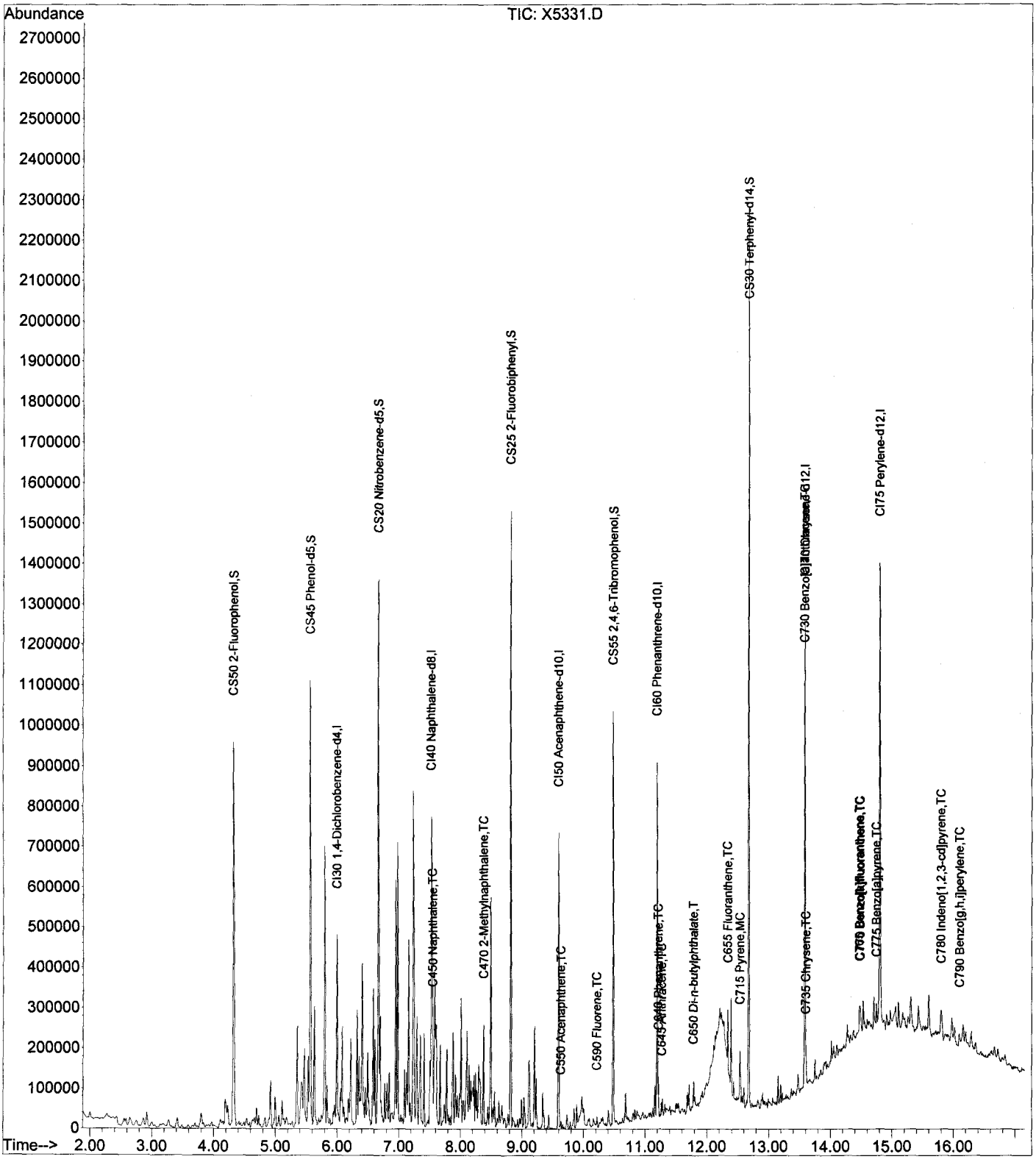
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	71381	40.00	ng	0.00 82.86%
4) CI40 Naphthalene-d8	7.53	136	263909	40.00	ng	0.00 90.35%
7) CI50 Acenaphthene-d8	9.59	164	154983	40.00	ng	0.00 97.05%
10) CI60 Phenanthrene-d10	11.19	188	262232	40.00	ng	0.00 98.79%
12) CI70 Chrysene-d12	13.58	240	366101	40.00	ng	0.00 107.36%
13) CI75 Perylene-d12	14.80	264	475458	40.00	ng	0.00 127.10%
Target Compounds						Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D. d		
3) E145 Acetophenone	0.00	105	0	N.D. d		
5) E655 Caprolactam	0.00	113	0	N.D. d		
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.		
8) C811 1,1'-Biphenyl	8.93	154	4342	0.78	ng	94
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.		
11) E510 Atrazine	0.00	200	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5331.D Vial: 3
Acq On : 8 Dec 2010 10:46 Operator: MKP
Sample : RTL0572-02 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Dec 09 12:53:54 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

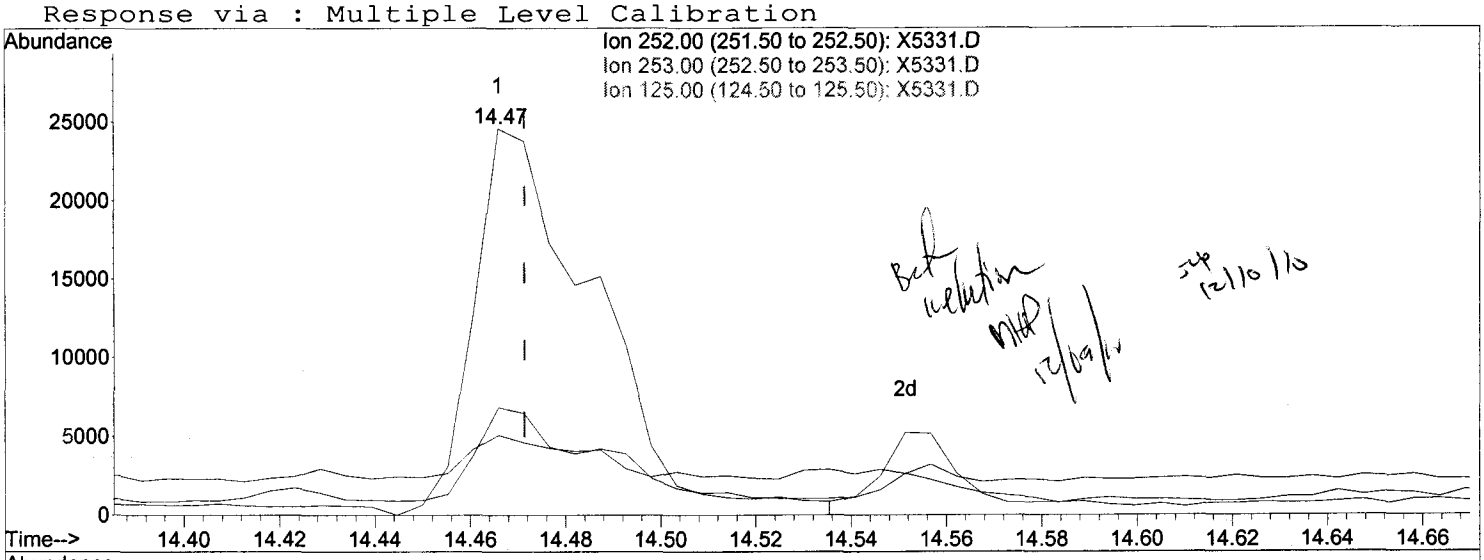


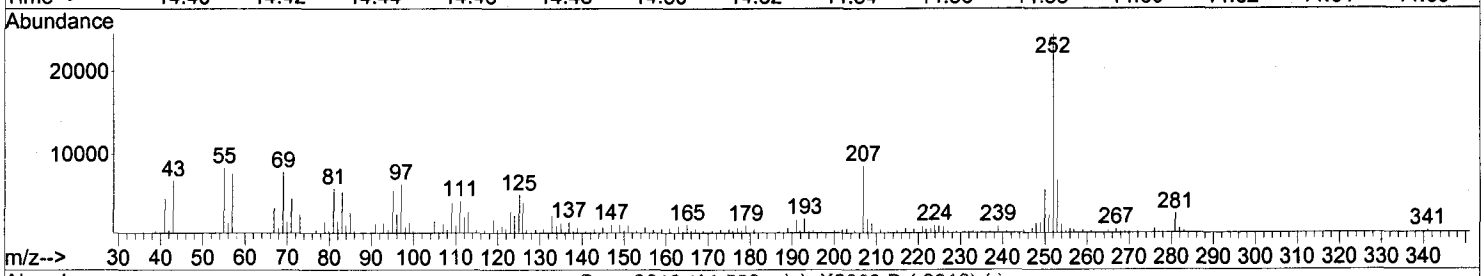
Quantitation Report (Qedit)

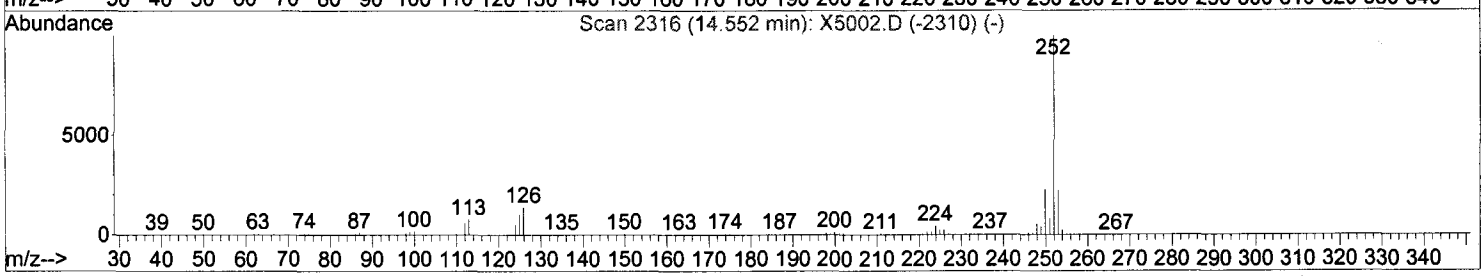
Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:52:06 2010

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Multiple Level Calibration







TIC: X5331.D

(81) C765 Benzo[b]fluoranthene (TC)

14.47min (-0.005) 3.64ng

response 43339

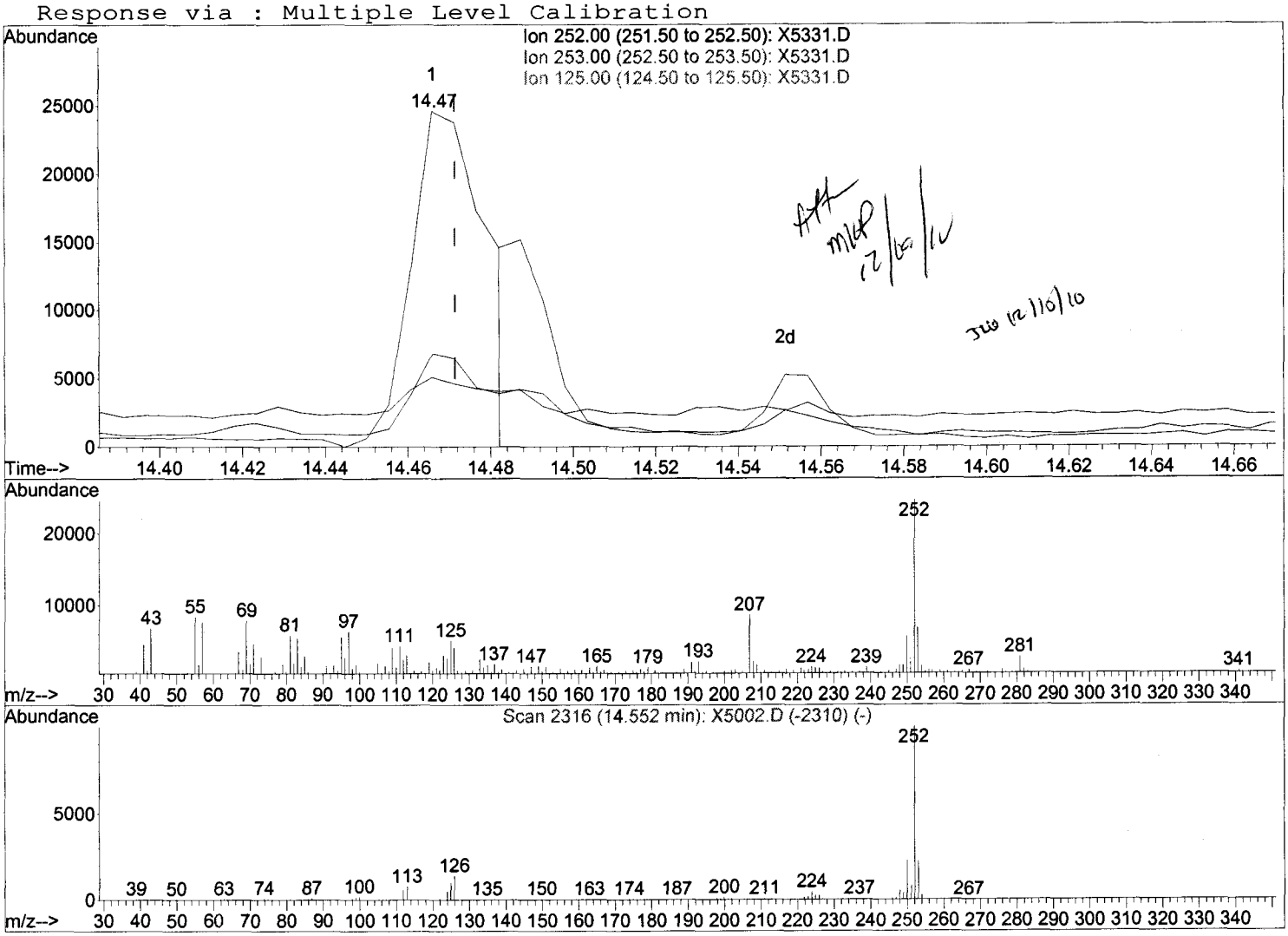
Ion	Exp%	Act%
252.00	100	100
253.00	21.10	24.10
125.00	11.00	10.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:52:06 2010

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Multiple Level Calibration



TIC: X5331.D

(81) C765 Benzo[b]fluoranthene (TC)

14.47min (-0.005) 2.60ng m

response 30990

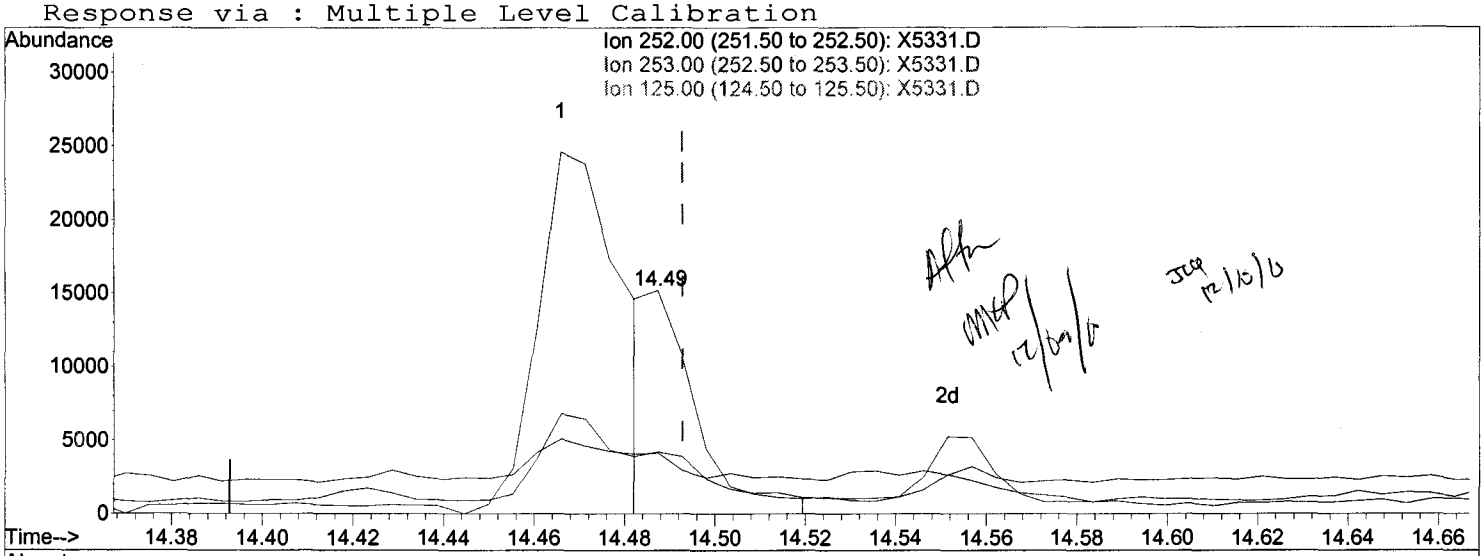
Ion	Exp%	Act%
252.00	100	100
253.00	21.10	27.73
125.00	11.00	20.69
0.00	0.00	0.00

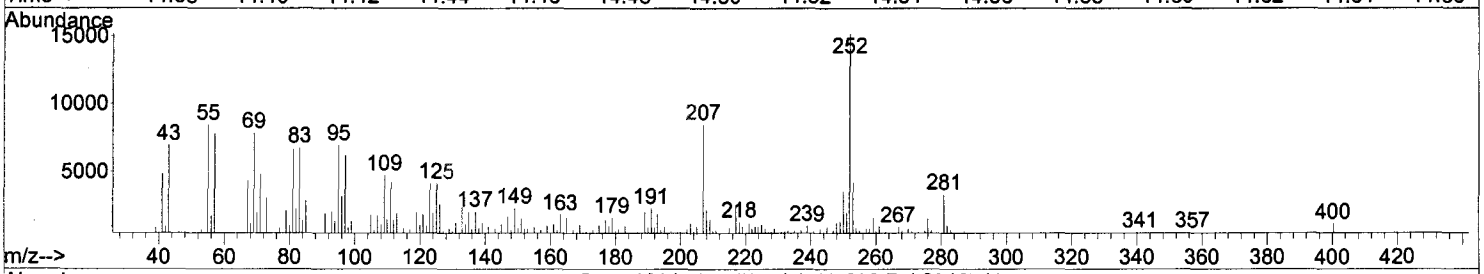
Quantitation Report (Qedit)

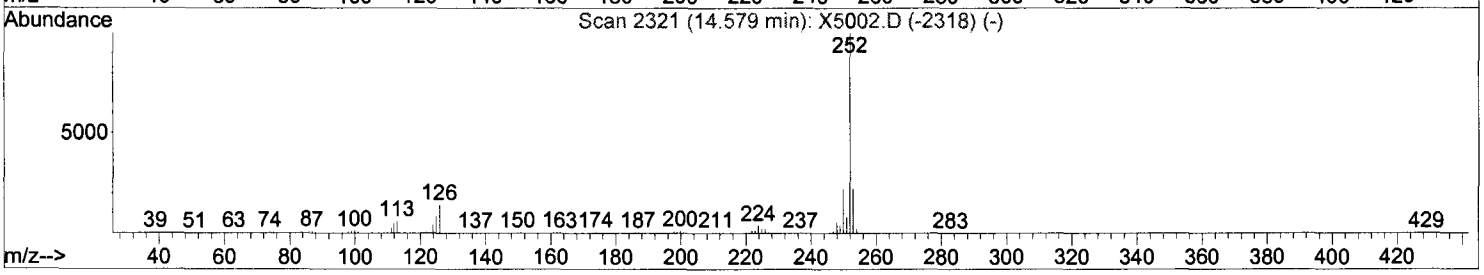
Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:52:06 2010

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Multiple Level Calibration







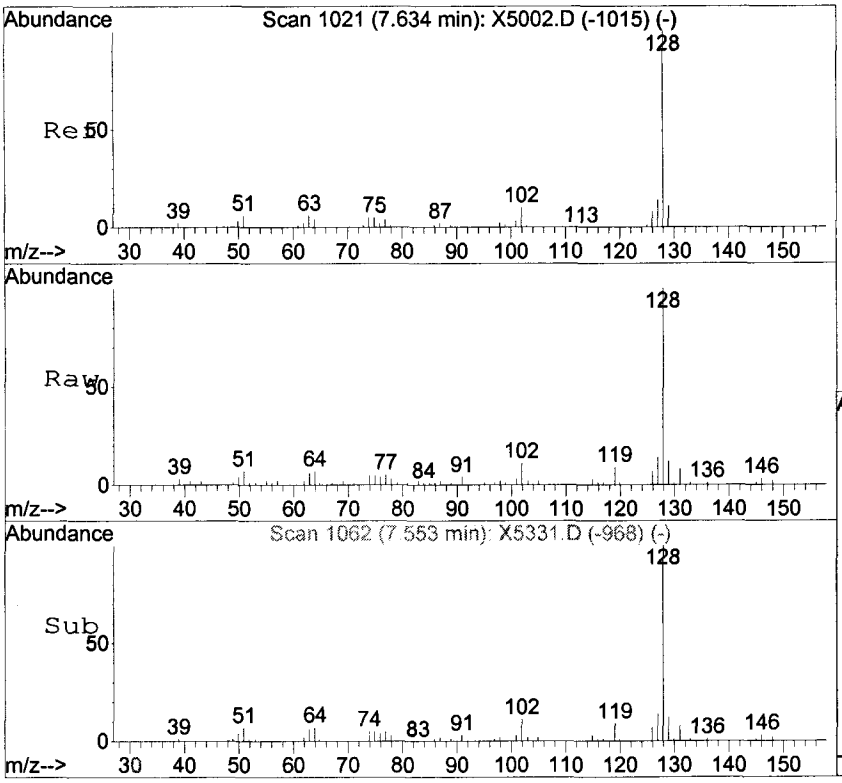
TIC: X5331.D

(82) C770 Benzo[k]fluoranthene (TC)

14.49min (-0.005) 0.95ng m

response 11422

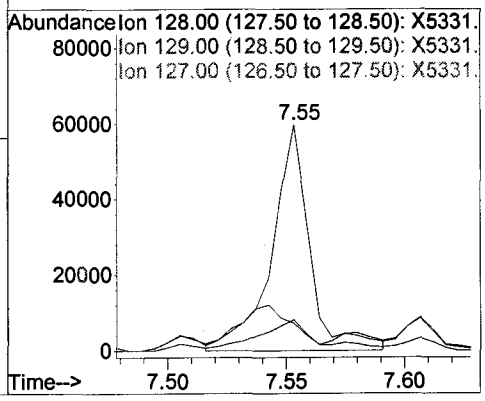
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	27.69
125.00	11.50	27.25
0.00	0.00	0.00

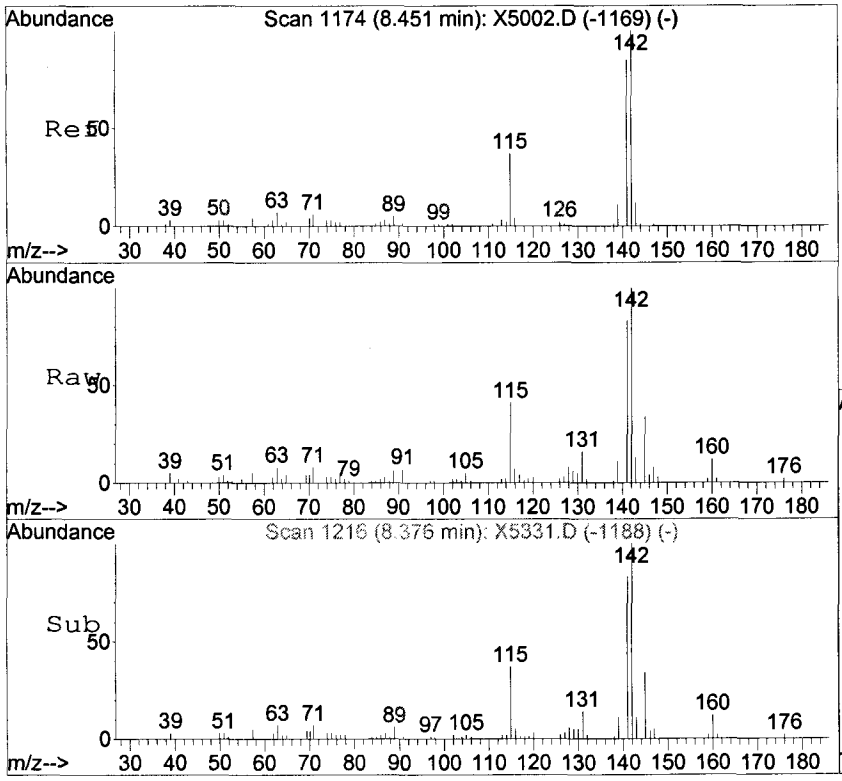


#32
C450 Naphthalene
Concen: 10.02 ng
RT: 7.55 min Scan# 1062
Delta R.T. -0.00 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:128 Resp: 67171

Ion	Ratio	Lower	Upper
128	100		
129	10.1	0.0	31.0
127	12.9	0.0	32.6

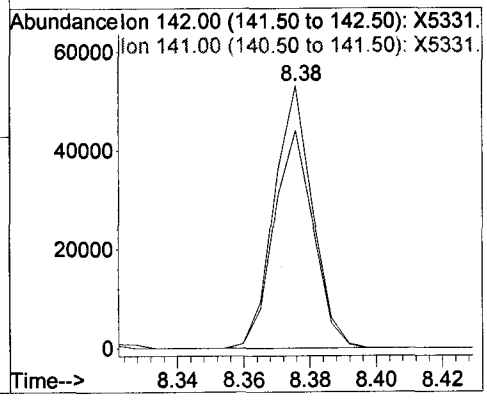


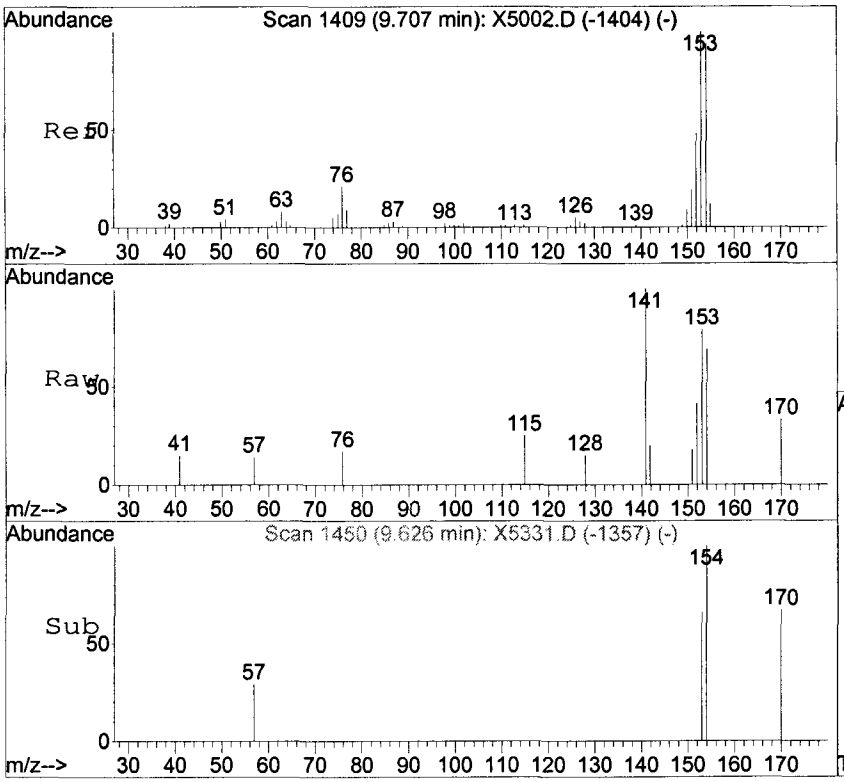


#36
C470 2-Methylnaphthalene
Concen: 9.93 ng
RT: 8.38 min Scan# 1216
Delta R.T. -0.00 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:142 Resp: 42672

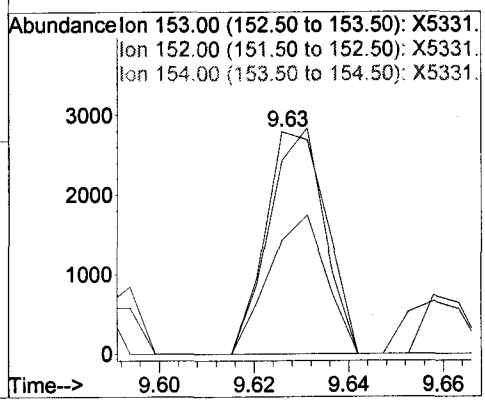
Ion	Ratio	Lower	Upper
142	100		
141	83.0	63.2	103.2

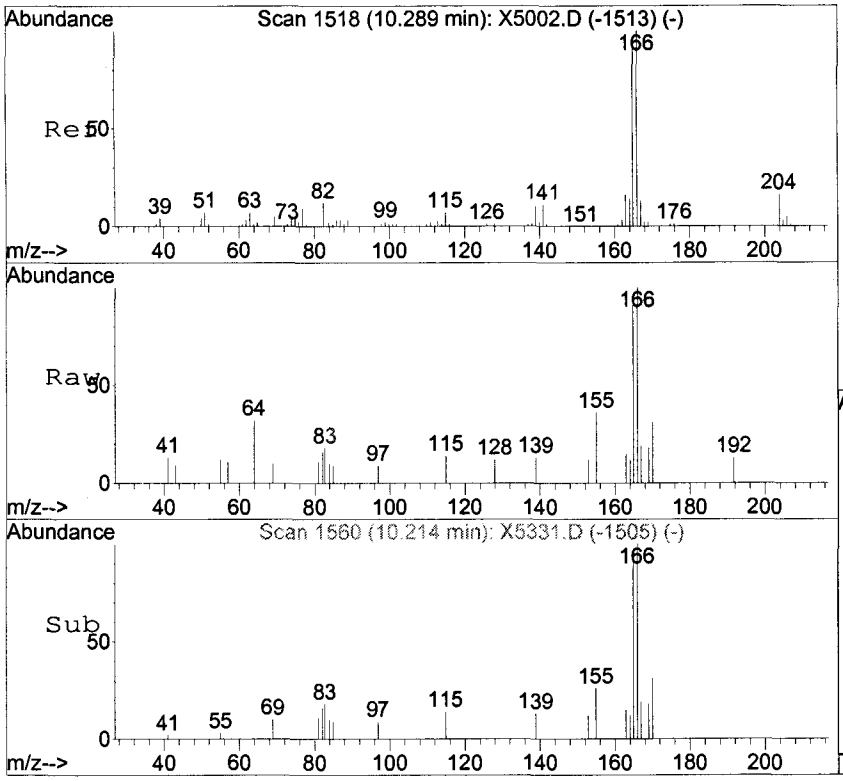




#47
C550 Acenaphthene
Concen: 0.62 ng
RT: 9.63 min Scan# 1450
Delta R.T. -0.01 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

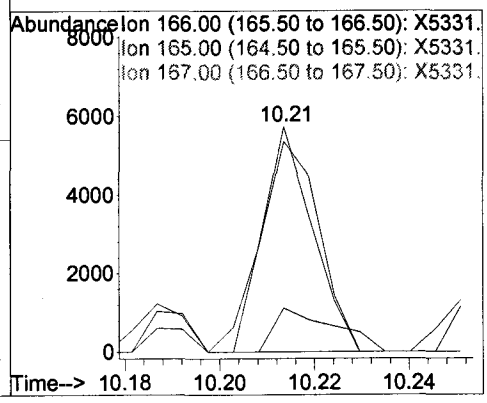
Tgt Ion:153	Resp:	2509
Ion	Ratio	Lower	Upper
153	100		
152	51.3	24.0	64.0
154	87.1	78.2	118.2

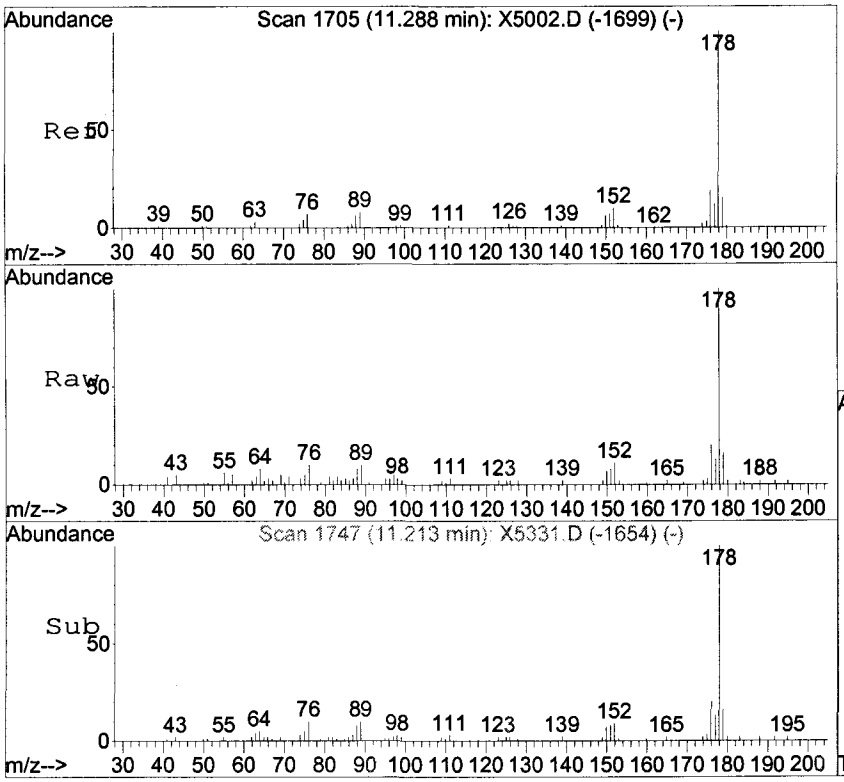




#53
C590 Fluorene
Concen: 0.95 ng
RT: 10.21 min Scan# 1560
Delta R.T. -0.01 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:166	Resp:	4230
Ion	Ratio	Lower	Upper
166	100		
165	93.3	67.6	107.6
167	19.4	0.0	33.3

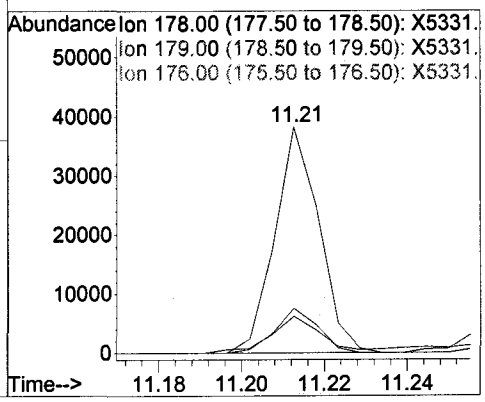


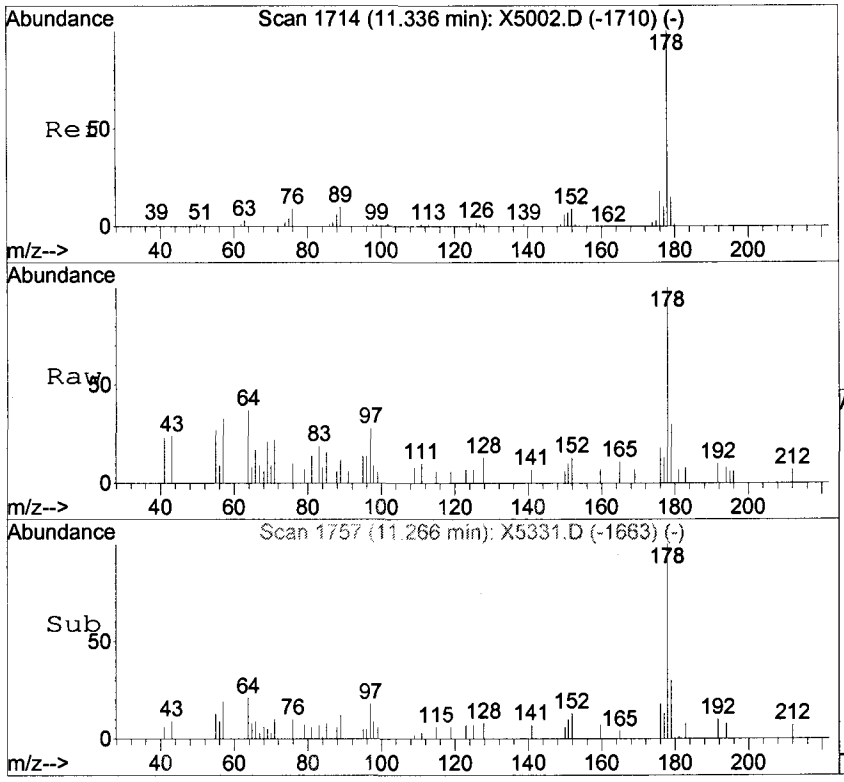


#65
C640 Phenanthrene
Concen: 4.17 ng
RT: 11.21 min Scan# 1747
Delta R.T. -0.01 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:178 Resp: 28397

Ion	Ratio	Lower	Upper
178	100		
179	16.2	0.0	35.2
176	19.7	0.0	38.7

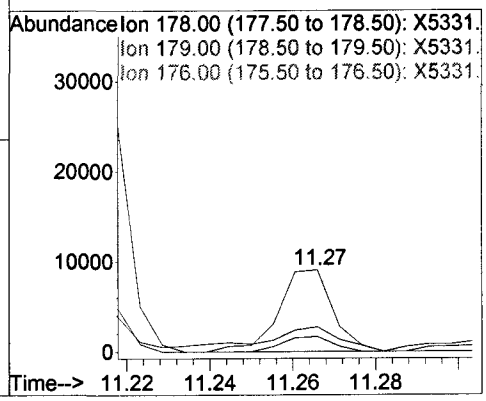


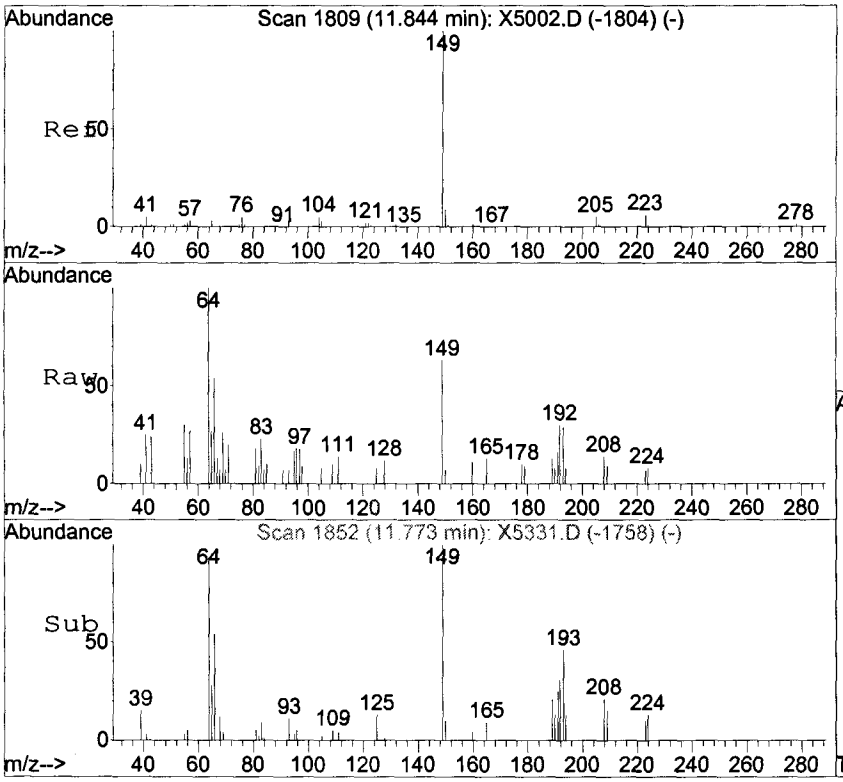


#66
C645 Anthracene
Concen: 1.23 ng
RT: 11.27 min Scan# 1757
Delta R.T. -0.00 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:178 Resp: 8278

Ion	Ratio	Lower	Upper
178	100		
179	30.2	0.0	35.2
176	18.3	0.0	38.0

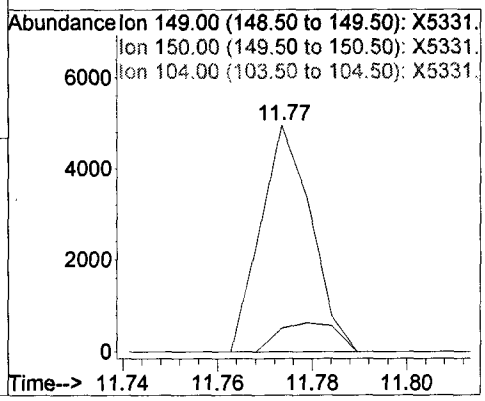


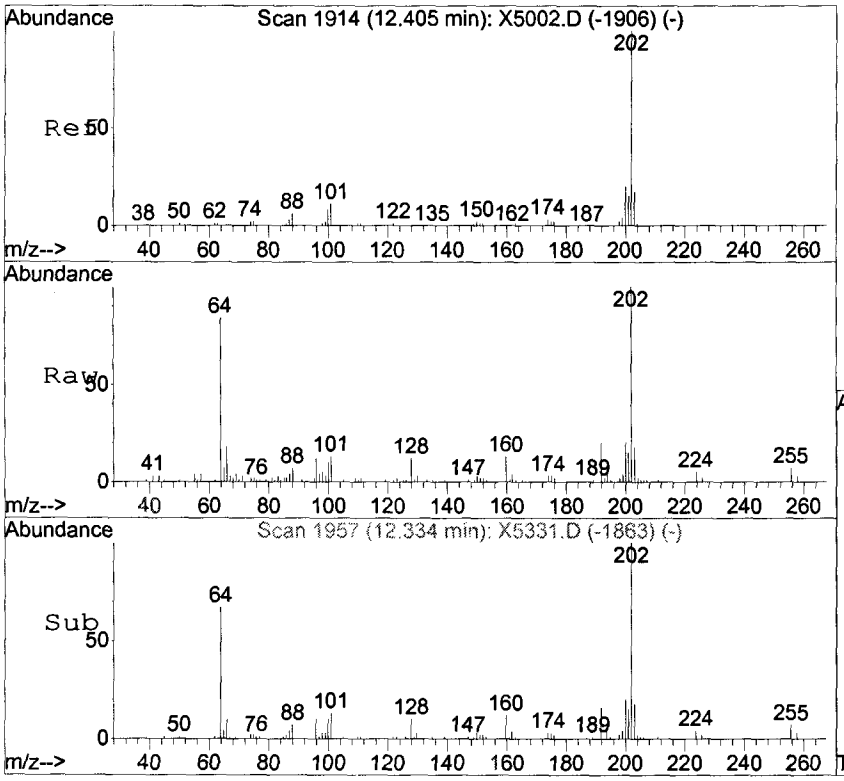


#68
C650 Di-n-butylphthalate
Concen: 0.53 ng
RT: 11.77 min Scan# 1852
Delta R.T. -0.00 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:149 Resp: 3671

Ion	Ratio	Lower	Upper
149	100		
150	10.3	0.0	29.0
104	0.0	0.0	25.3

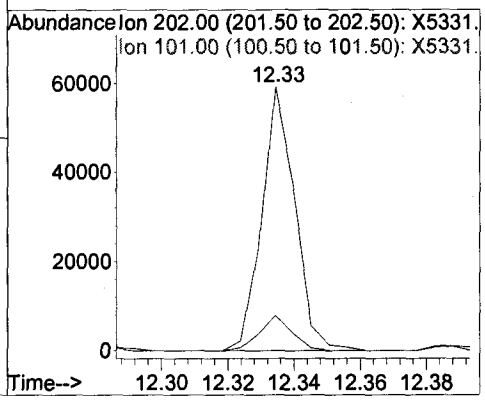


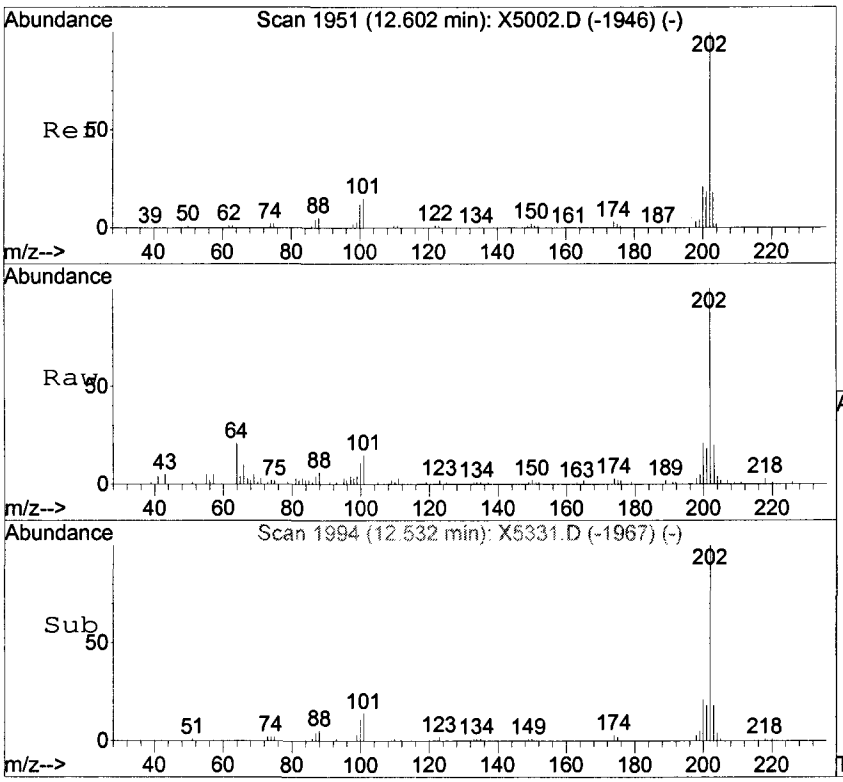


#69
C655 Fluoranthene
Concen: 5.18 ng
RT: 12.33 min Scan# 1957
Delta R.T. -0.00 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:202 Resp: 41062

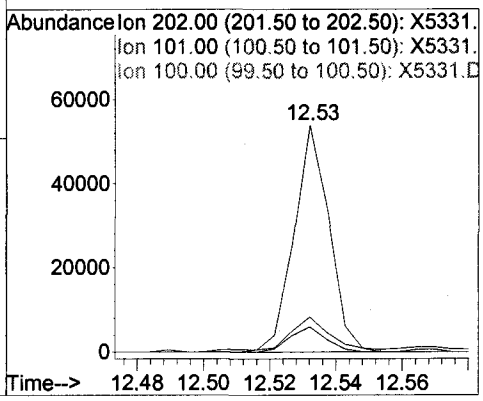
Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	35.8

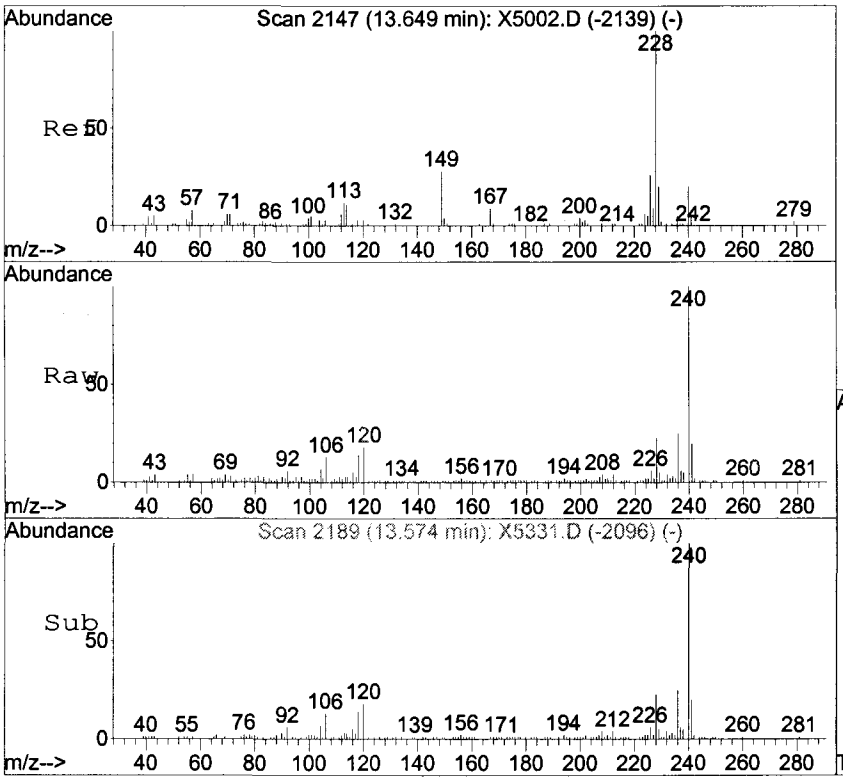




#71
C715 Pyrene
Concen: 4.48 ng
RT: 12.53 min Scan# 1994
Delta R.T. -0.01 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

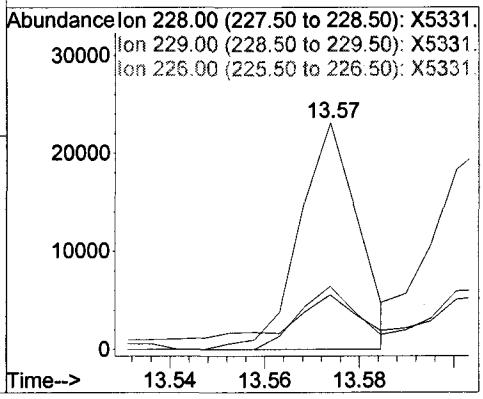
Tgt Ion:202	Resp:	40195
Ion	Ratio	Lower	Upper
202	100		
101	15.4	0.0	39.0
100	11.1	0.0	34.4

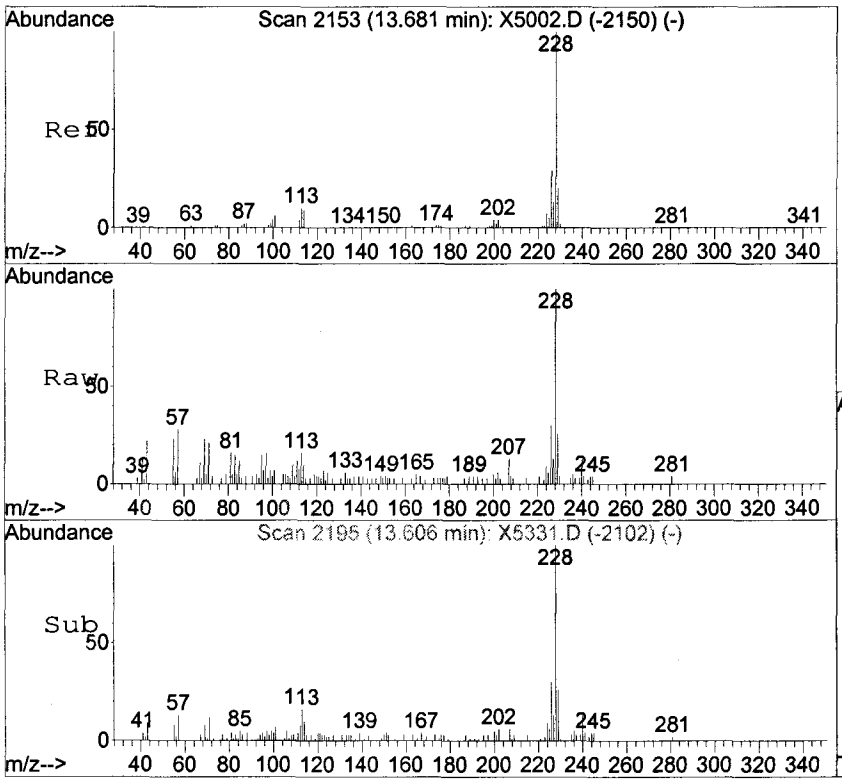




#76
C730 Benzo[a]anthracene
Concen: 2.22 ng
RT: 13.57 min Scan# 2189
Delta R.T. -0.00 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:228	Resp:	20035
Ion	Ratio	Lower	Upper
228	100		
229	18.9	0.0	39.2
226	27.8	5.5	45.5

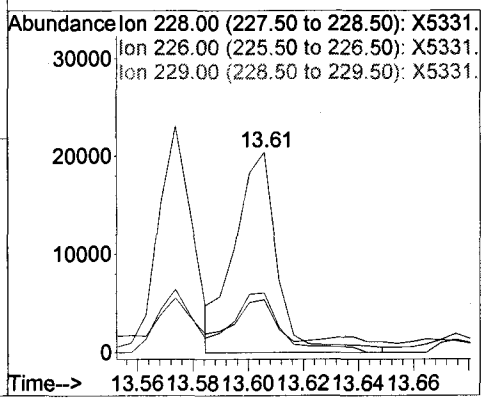


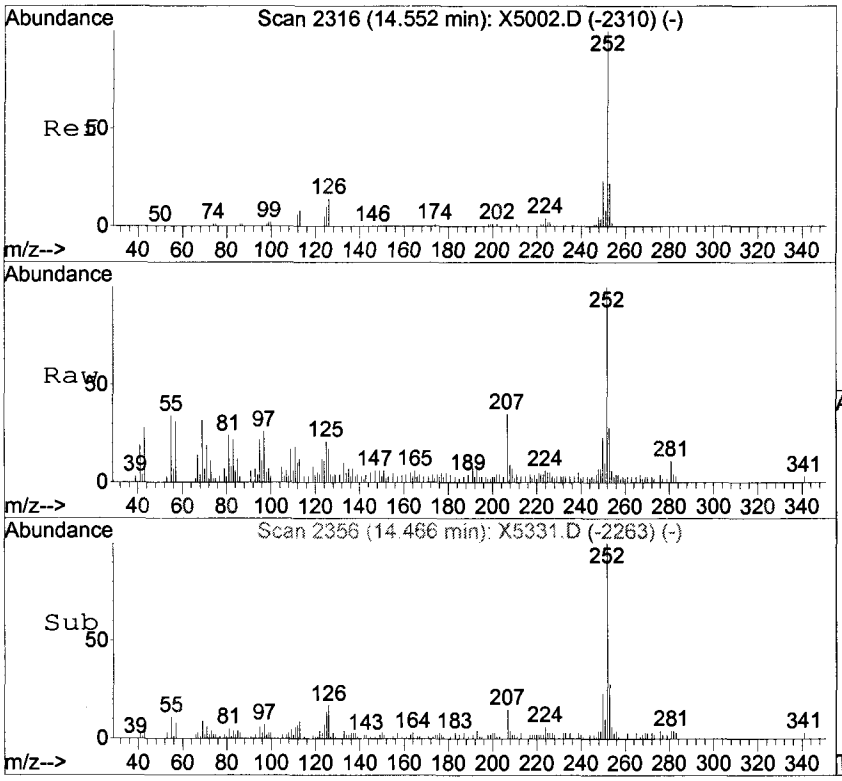


#77
C735 Chrysene
Concen: 2.31 ng
RT: 13.61 min Scan# 2195
Delta R.T. -0.01 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:228 Resp: 22026

Ion	Ratio	Lower	Upper
228	100		
226	30.4	8.5	48.5
229	21.4	0.0	39.5

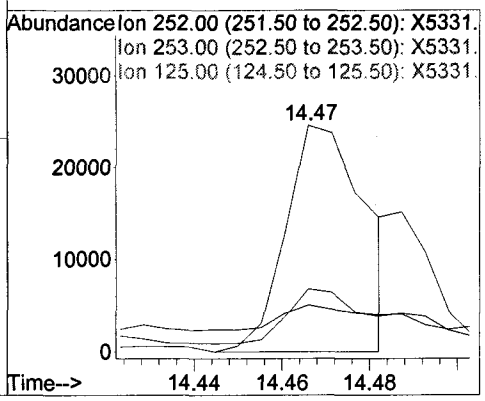


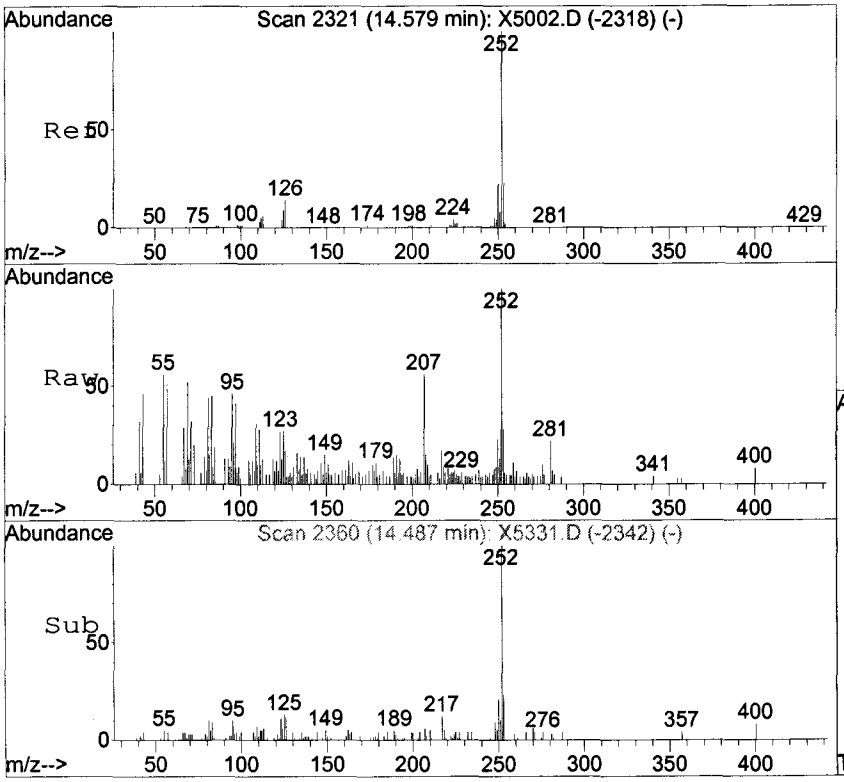


#81
C765 Benzo[b]fluoranthene
Concen: 2.60 ng m
RT: 14.47 min Scan# 2356
Delta R.T. -0.01 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:252 Resp: 30990

Ion	Ratio	Lower	Upper
252	100		
253	27.7	1.1	41.1
125	20.7	0.0	31.0

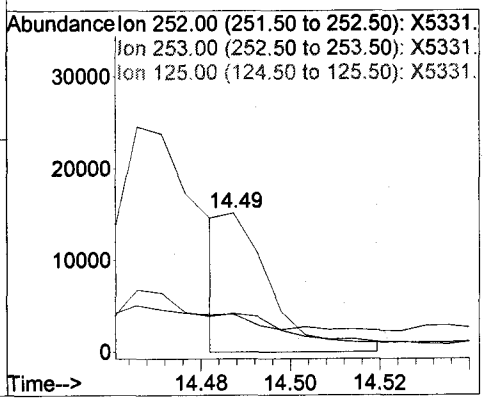


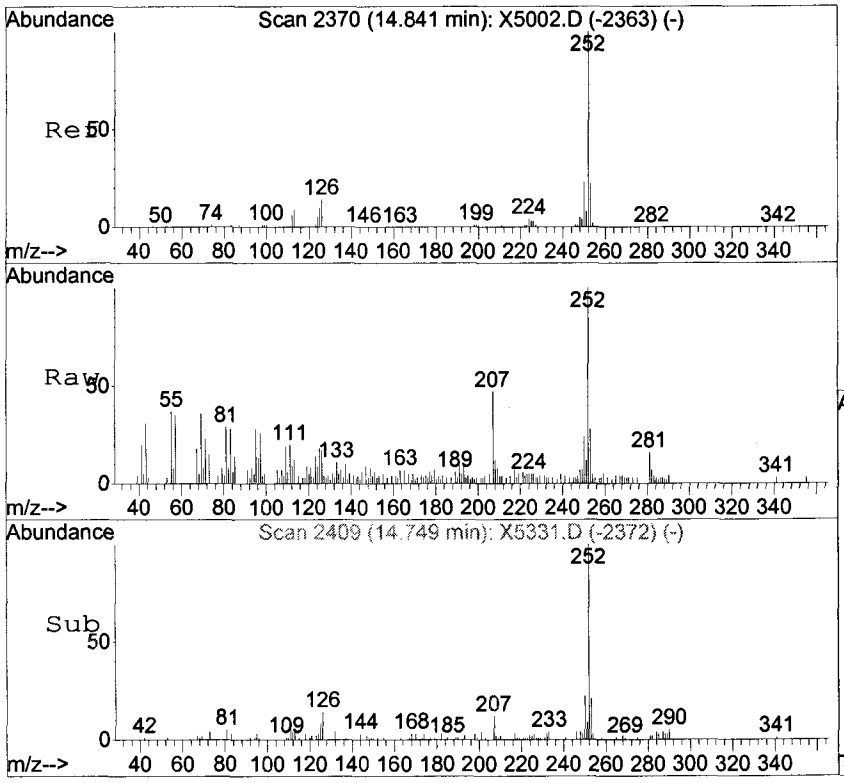


#82
C770 Benzo[k]fluoranthene
Concen: 0.95 ng m
RT: 14.49 min Scan# 2360
Delta R.T. -0.01 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:252 Resp: 11422

Ion	Ratio	Lower	Upper
252	100		
253	27.7	1.5	41.5
125	27.3	0.0	31.5

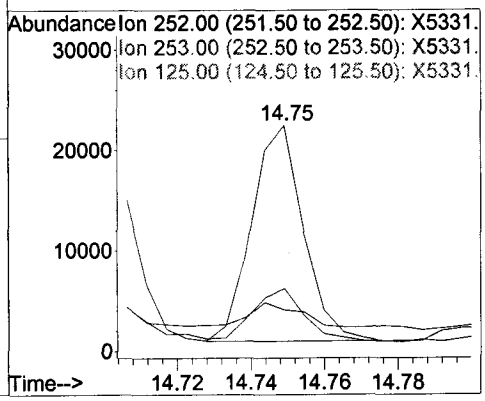


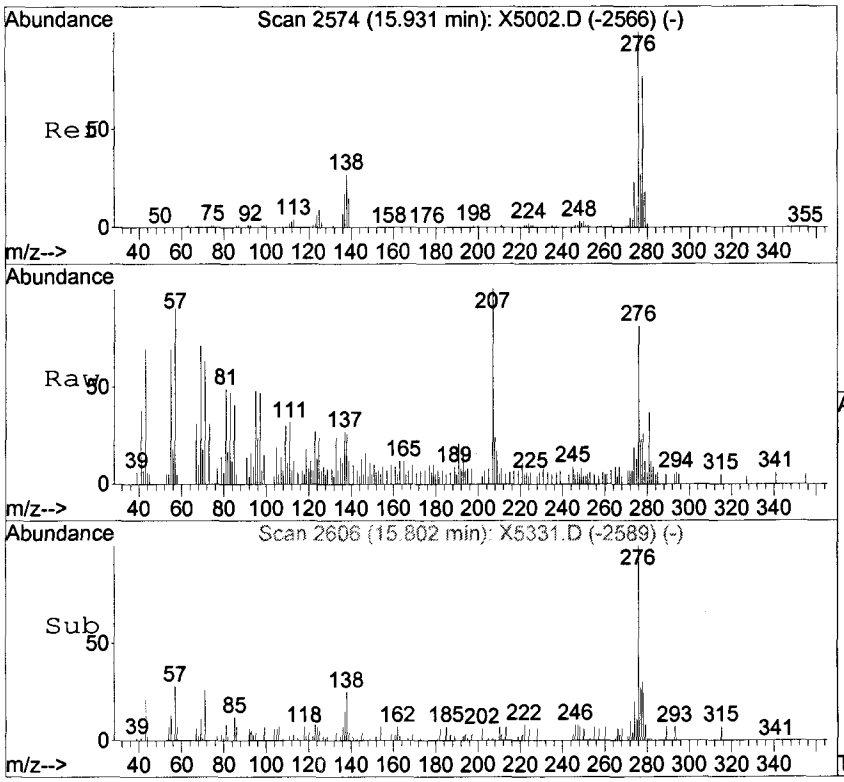


#83
C775 Benzo[a]pyrene
Concen: 2.07 ng
RT: 14.75 min Scan# 2409
Delta R.T. -0.00 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:252 Resp: 20958

Ion	Ratio	Lower	Upper
252	100		
253	24.3	1.4	41.4
125	7.4	0.0	29.7

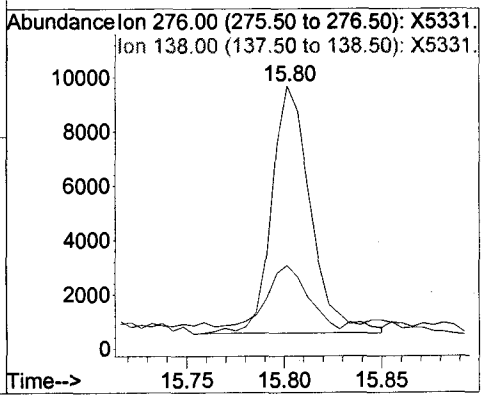


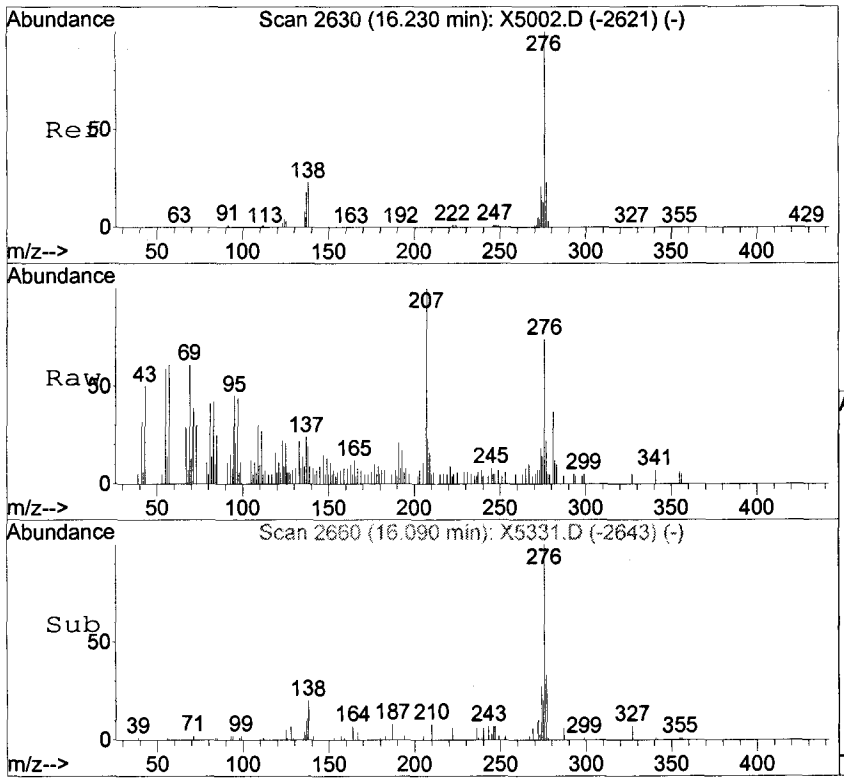


#84
C780 Indeno[1,2,3-cd]pyrene
Concen: 0.94 ng
RT: 15.80 min Scan# 2606
Delta R.T. -0.01 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:276 Resp: 12601

Ion	Ratio	Lower	Upper
276	100		
138	23.1	7.2	47.2

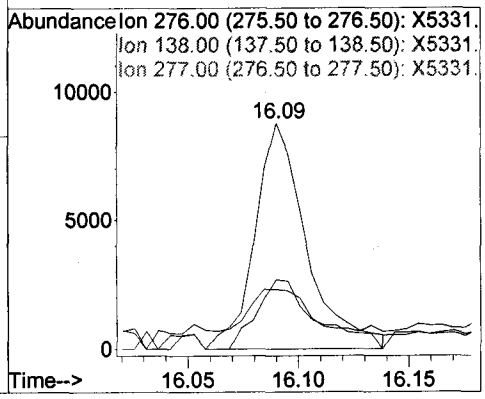


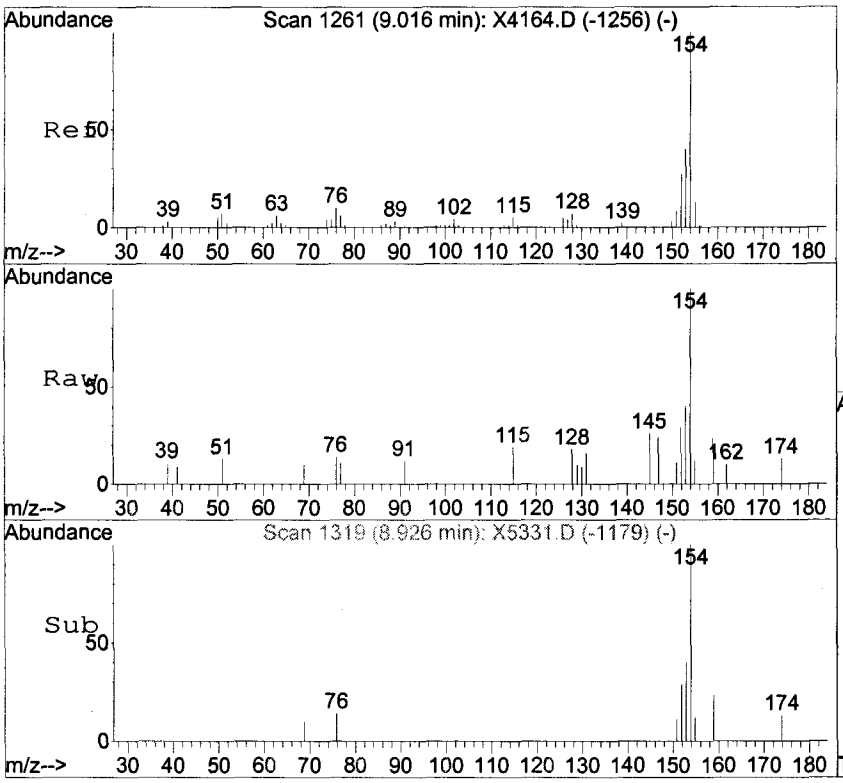


#86
C790 Benzo[g,h,i]perylene
Concen: 1.24 ng
RT: 16.09 min Scan# 2660
Delta R.T. -0.01 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:276 Resp: 14203

Ion	Ratio	Lower	Upper
276	100		
138	18.6	3.0	43.0
277	30.5	2.2	42.2

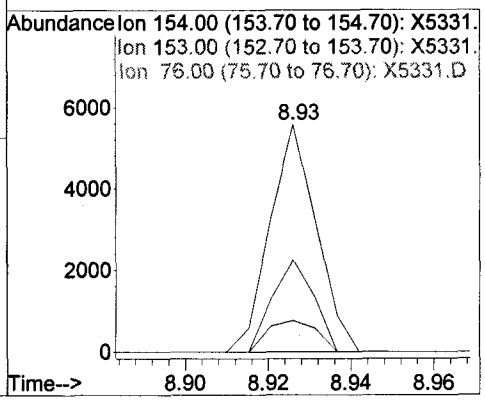




#8
C811 1,1'-Biphenyl
Concen: 0.78 ng
RT: 8.93 min Scan# 1319
Delta R.T. -0.00 min
Lab File: X5331.D
Acq: 8 Dec 2010 10:46

Tgt Ion:154 Resp: 4342

Ion	Ratio	Lower	Upper
154	100		
153	40.3	15.6	55.6
76	13.7	0.0	33.6



Library Search Compound Report

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

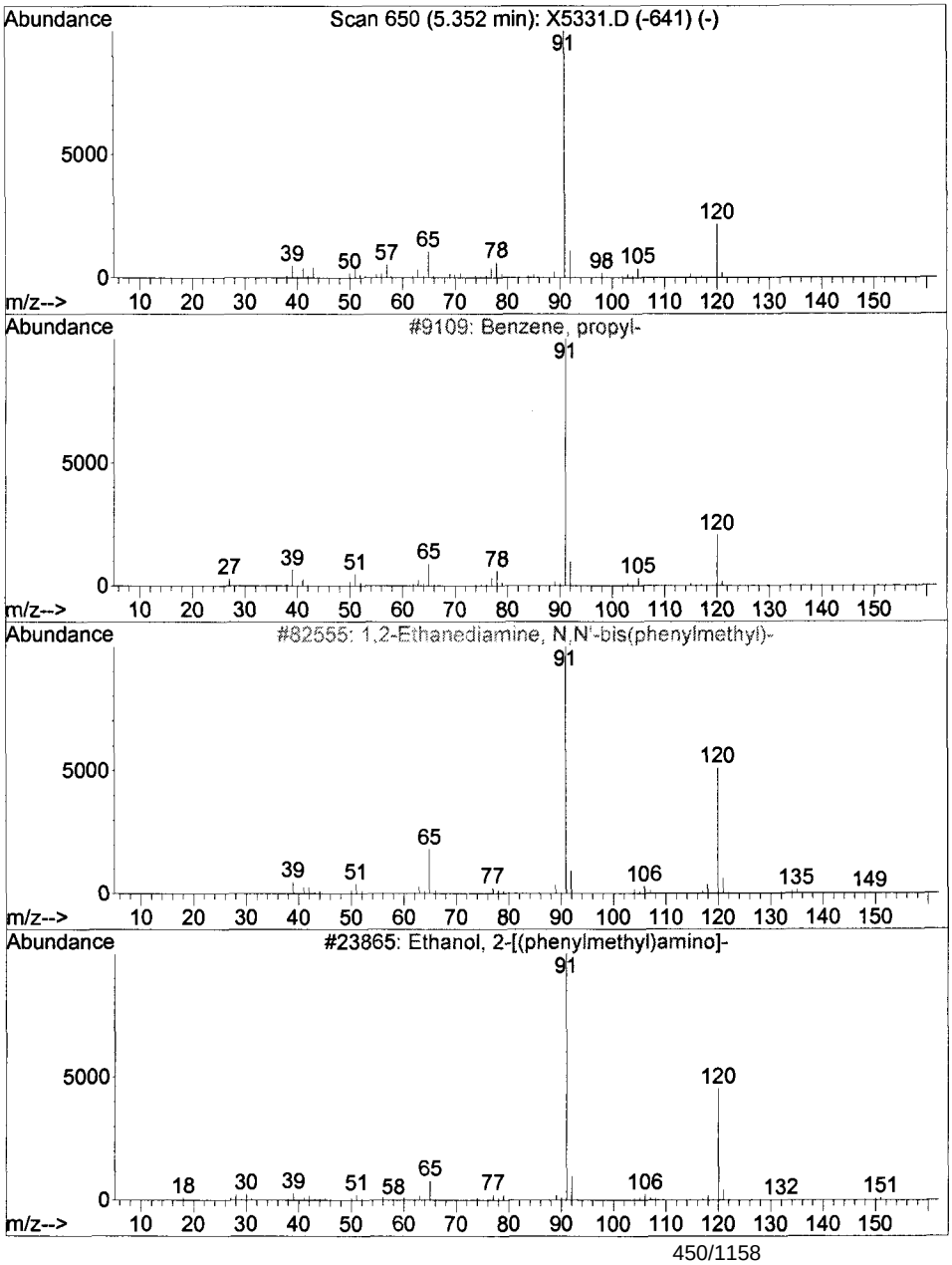
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Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

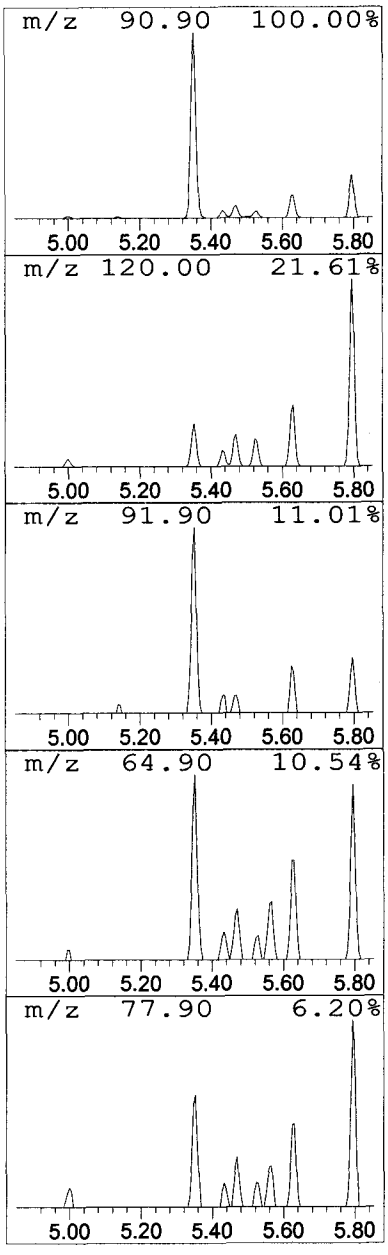
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Peak Number 1 Benzene, propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
5.35	26.73 ng	308761	CI30 1,4-Dichloro	461994	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
3	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64
4	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	50
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	50





Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

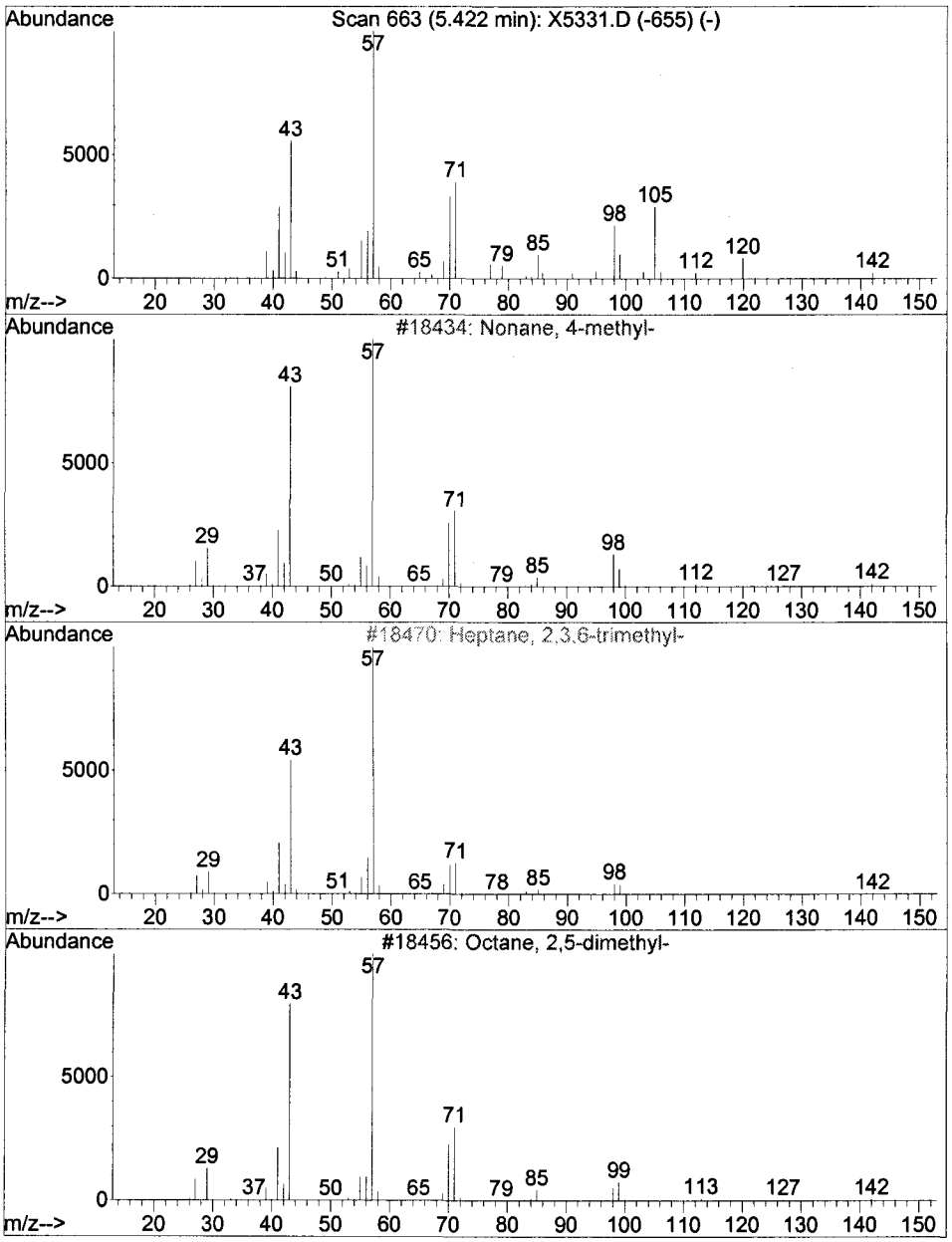
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Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

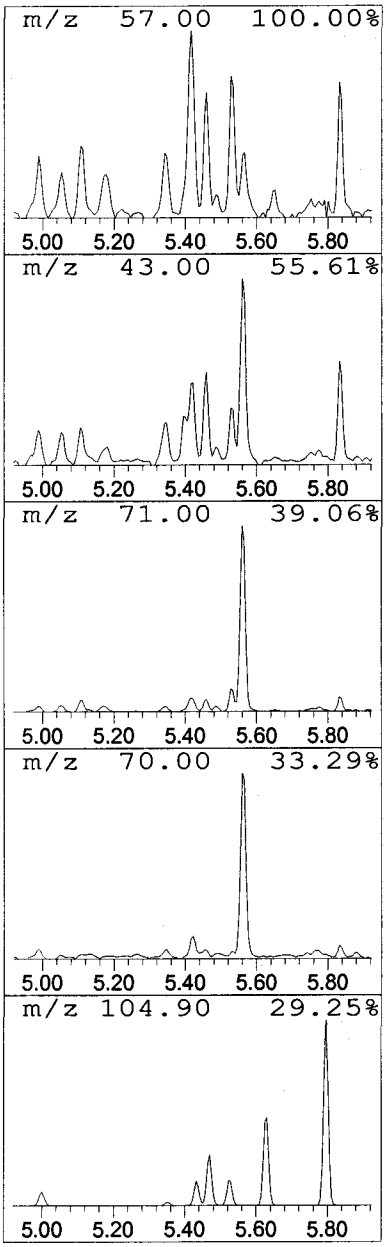
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Peak Number 2 Nonane, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
5.42	21.89 ng	252821	CI30 1,4-Dichloro	461994	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	68
2	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	50
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	50
4	1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	50
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	47





Library Search Compound Report

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

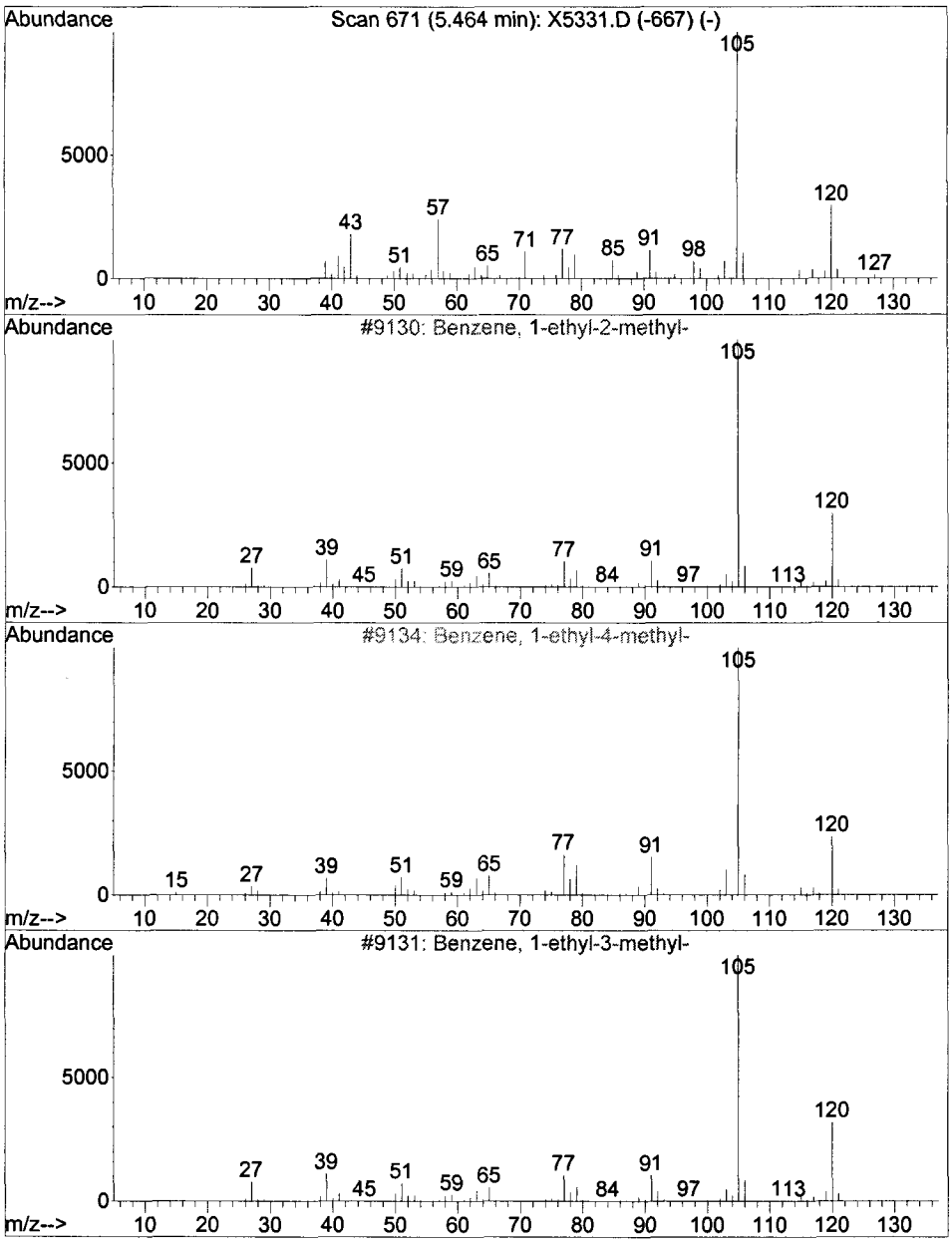
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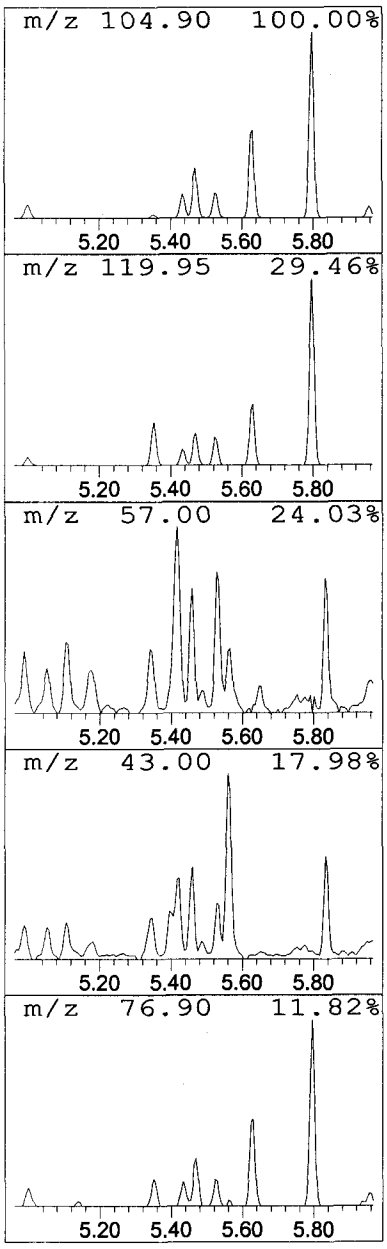
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Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
5.46	24.30 ng	280622	CI30 1,4-Dichloro	461994	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87





Library Search Compound Report

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
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Library : C:\DATABASE\NIST02.L

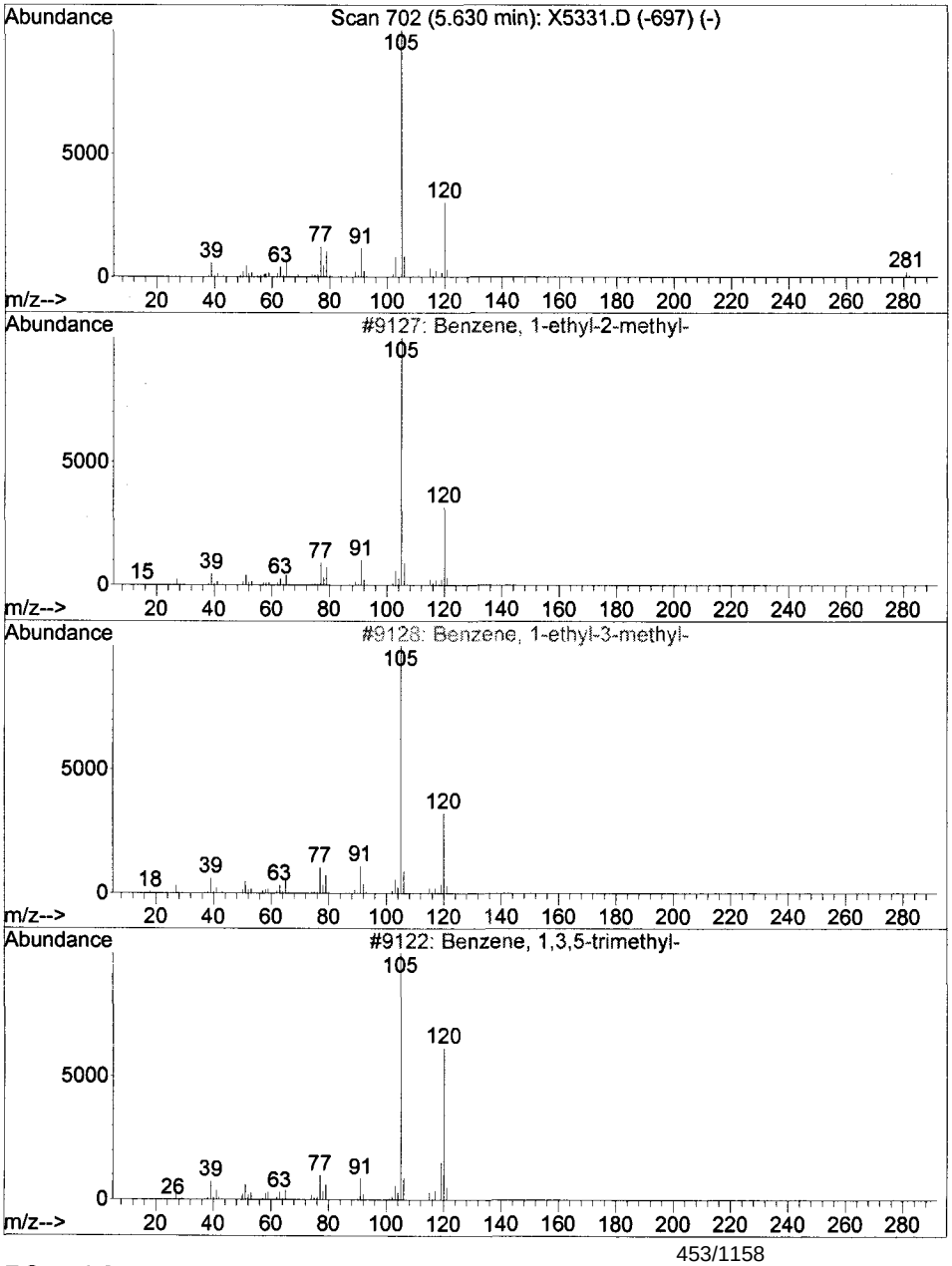
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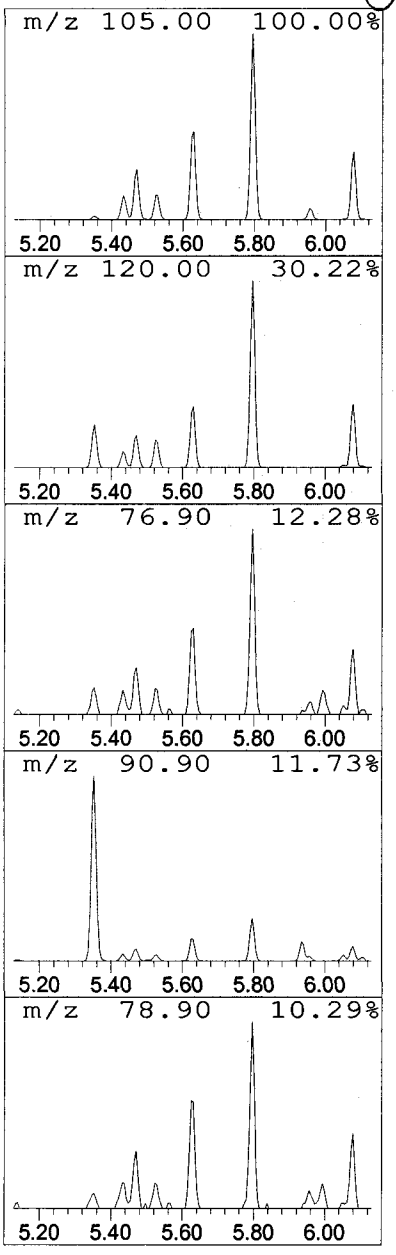
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Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
5.63	29.94 ng	345770	CI30 1,4-Dichloro	461994	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

#4

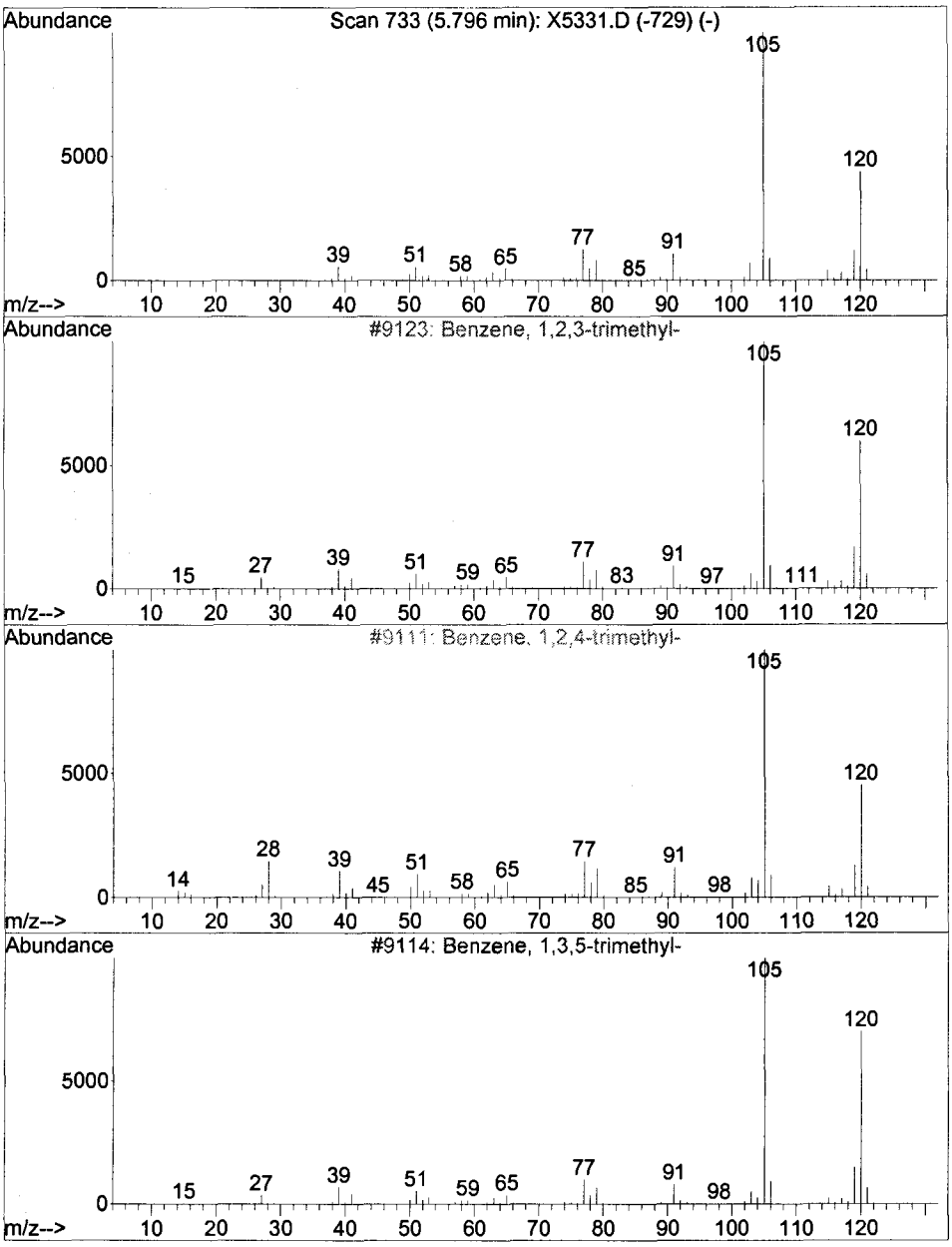
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Library : C:\DATABASE\NIST02.L

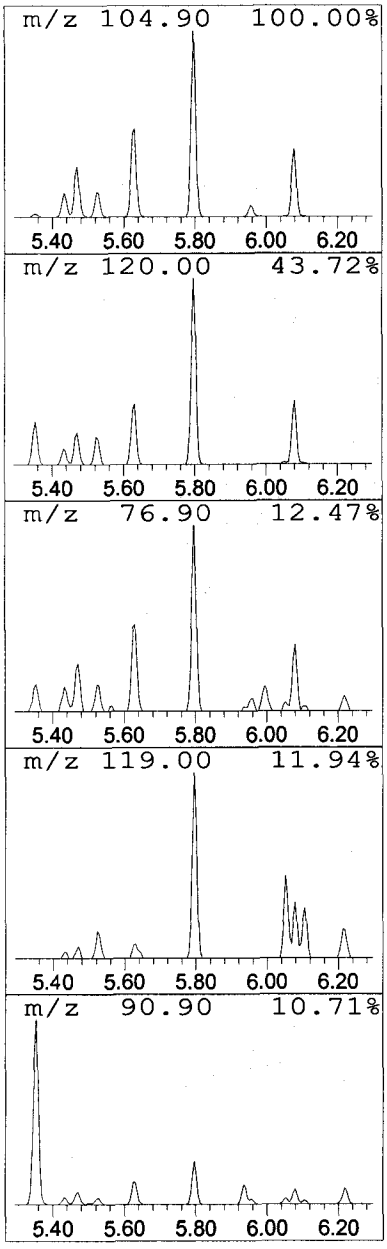
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Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
5.80	55.70 ng	643316	CI30 1,4-Dichloro	461994	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

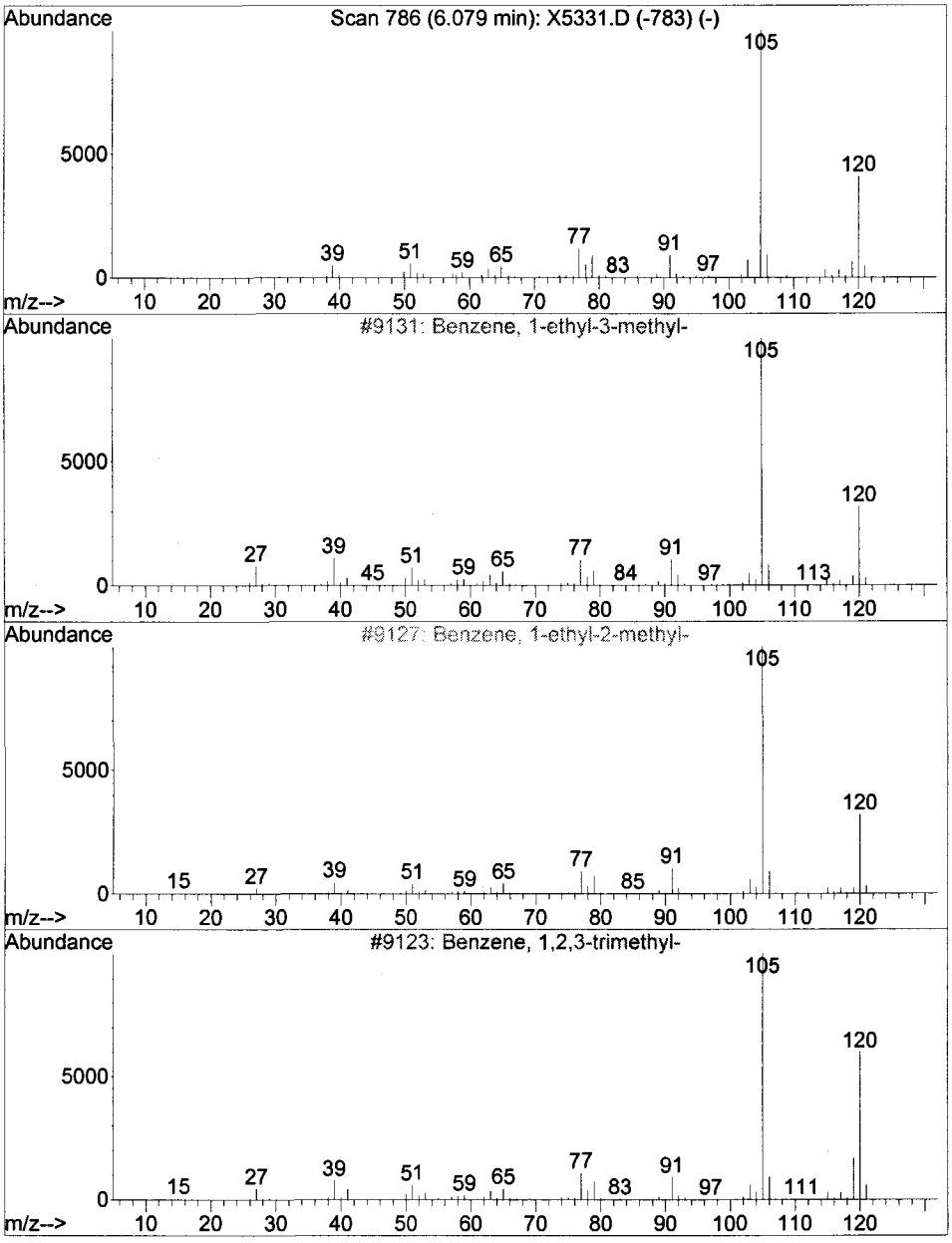
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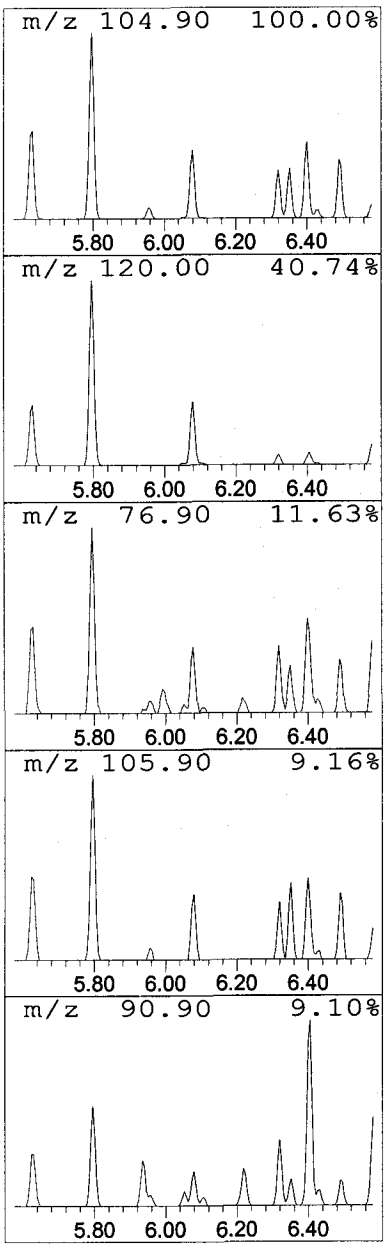
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Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
6.08	19.48 ng	224975	CI30 1,4-Dichloro	461994	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

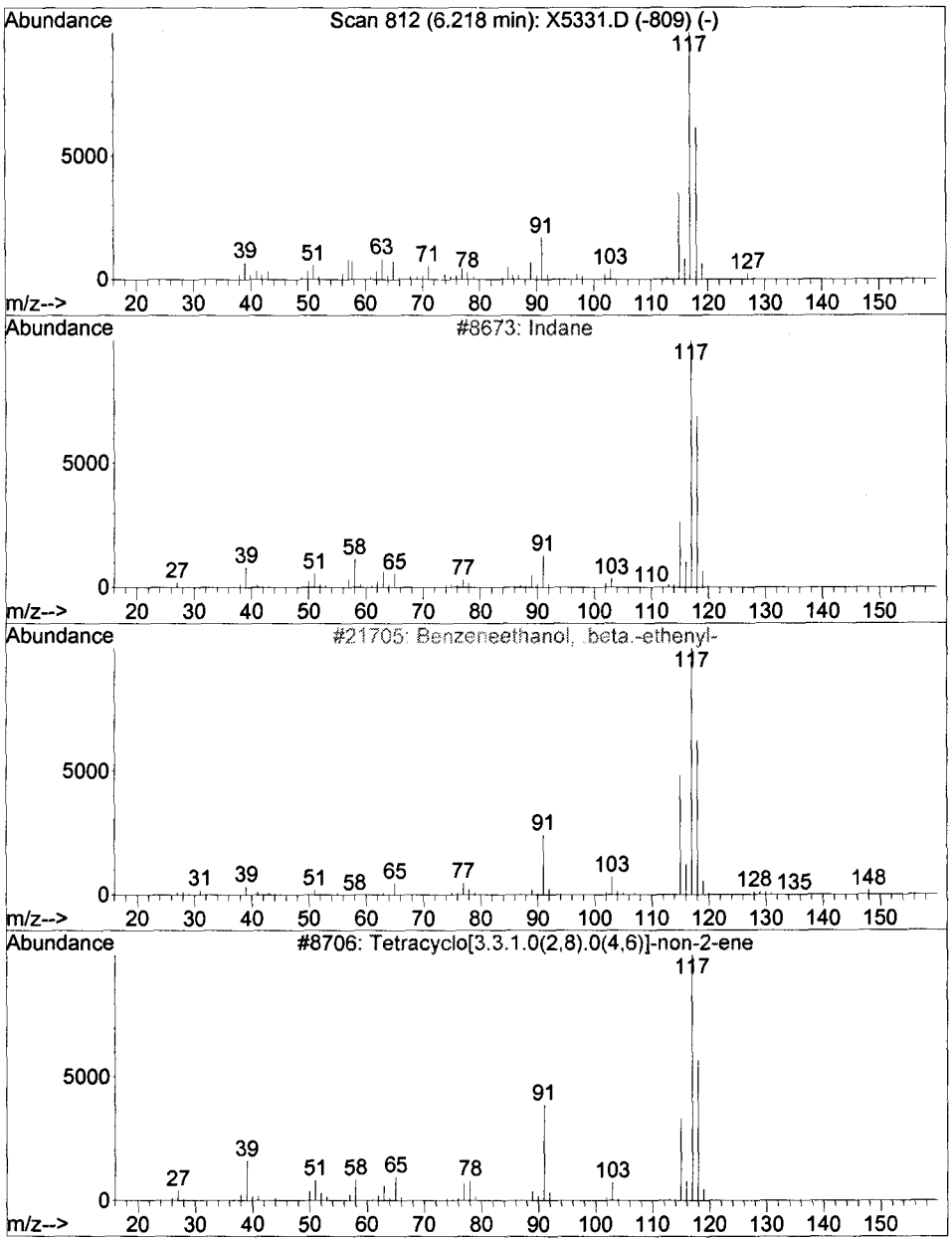
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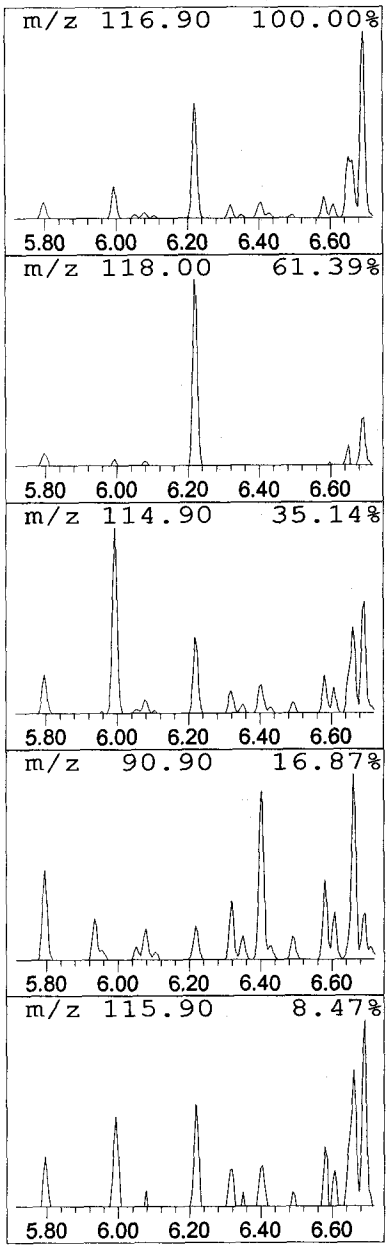
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Peak Number 7 Indane — Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
6.22	16.84 ng	194524	CI30 1,4-Dichloro	461994	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	90
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	81
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81





Library Search Compound Report

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
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Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

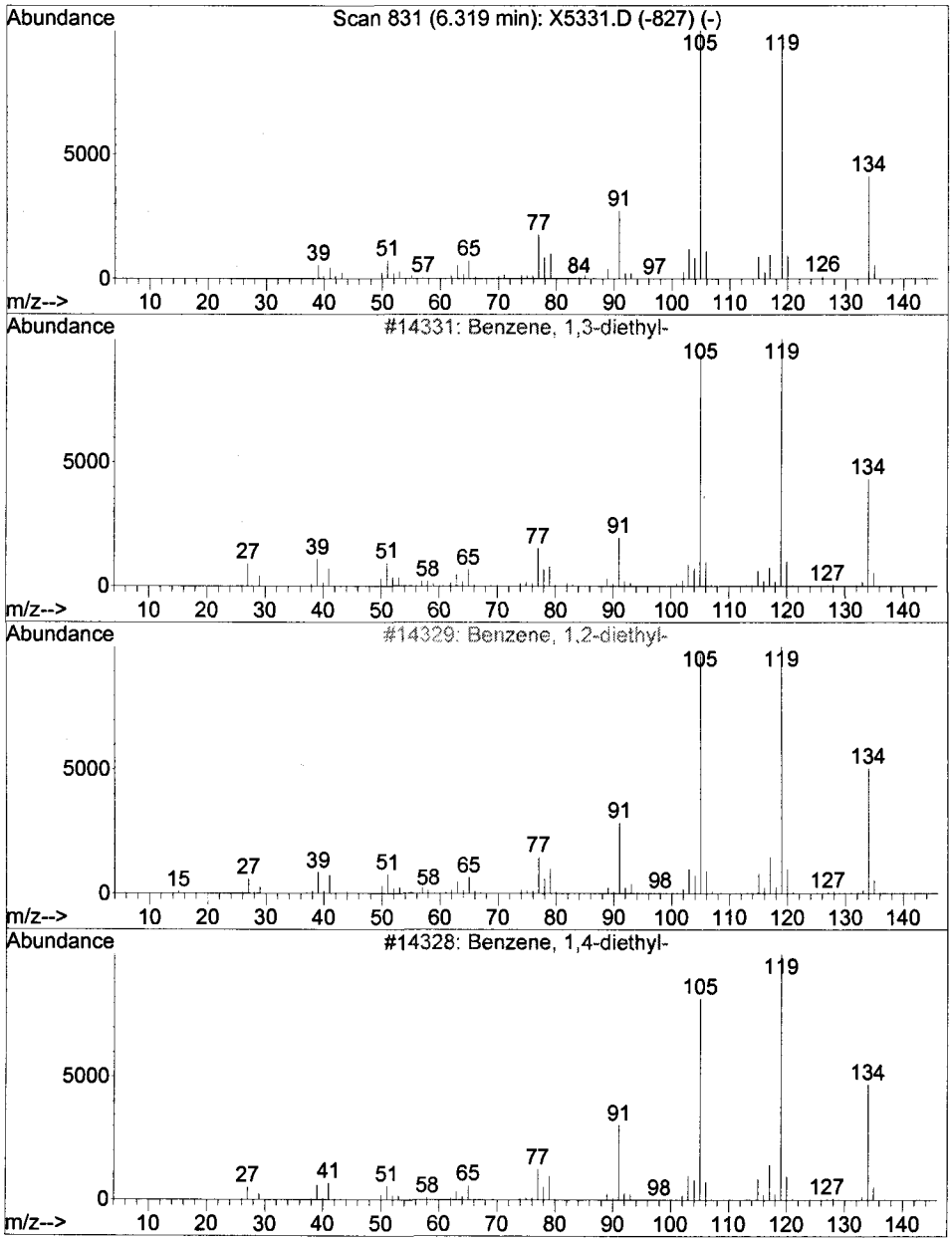
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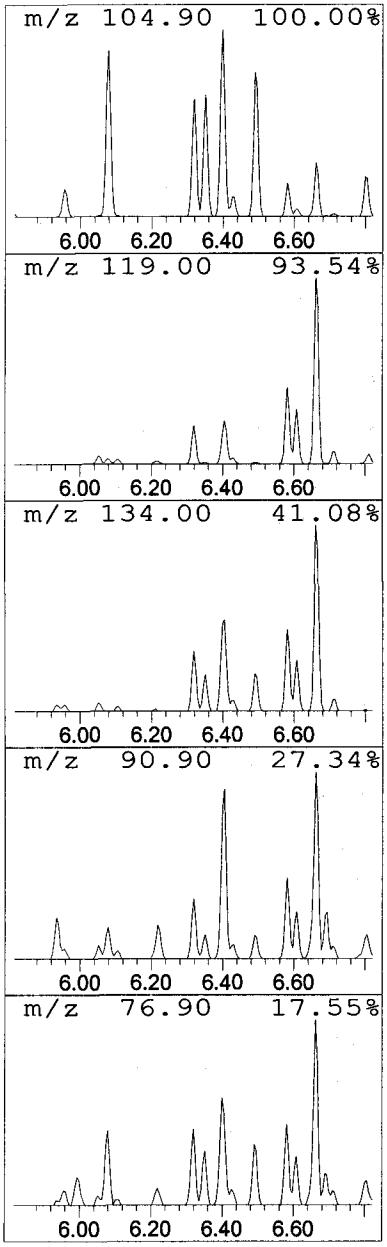
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Peak Number 8 Benzene, 1,3-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
6.32	22.27 ng	257223	CI30 1,4-Dichloro	461994	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87





Library Search Compound Report

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
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Vial: 3
Operator: MKP
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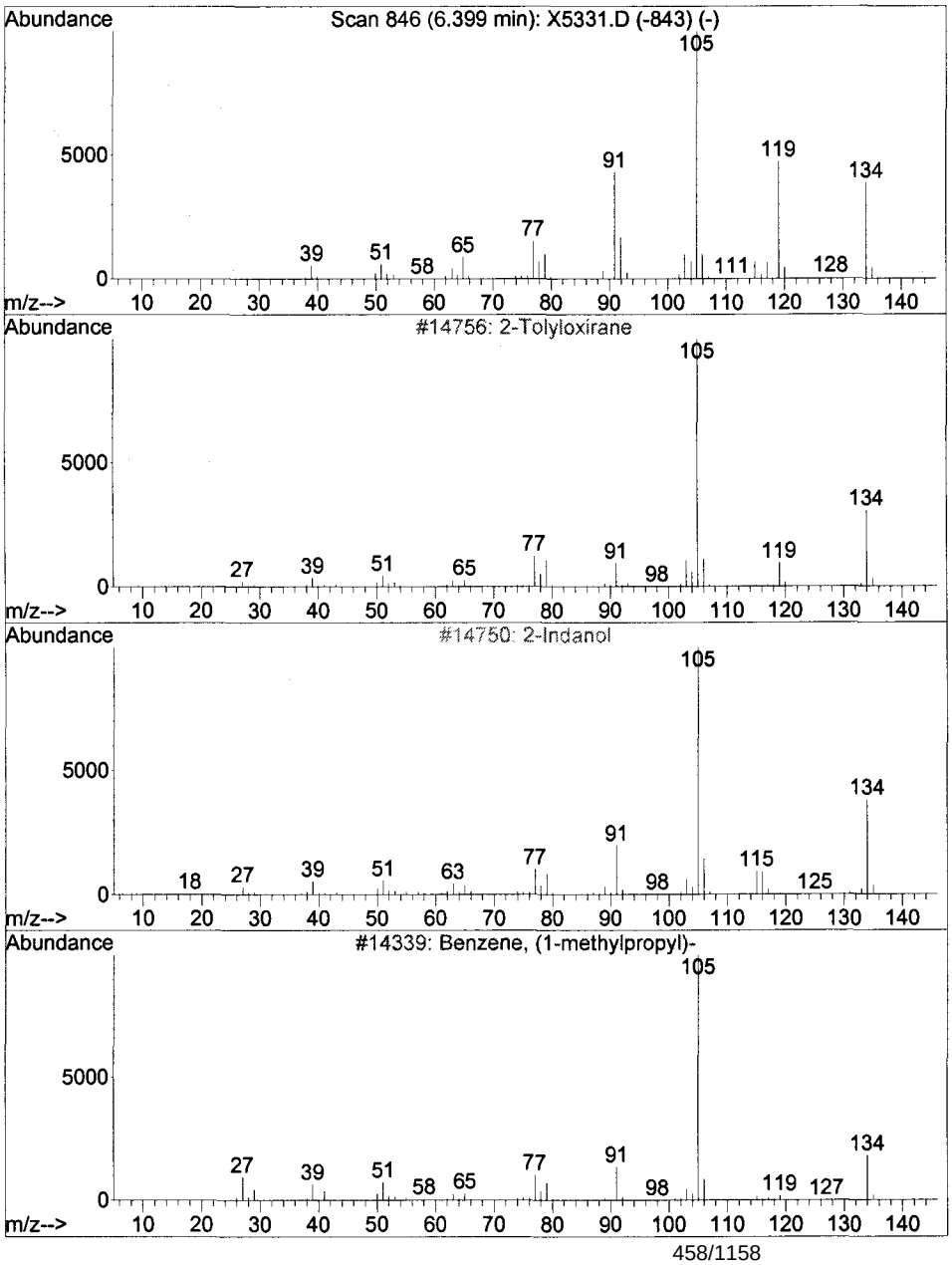
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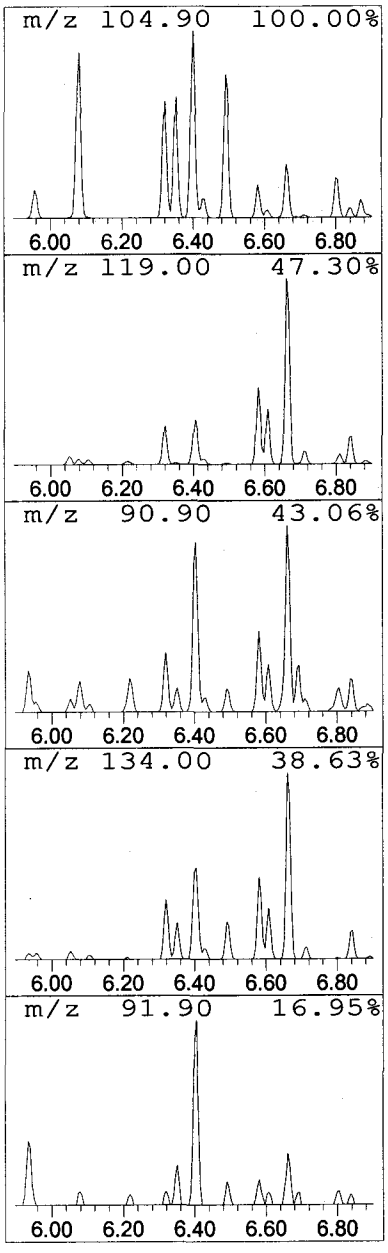
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Peak Number 9 2-Tolyloxirane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
6.40	38.19 ng	441085	CI30 1,4-Dichloro	461994	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tolyloxirane	134	C9H10O	002783-26-8	64
2	2-Indanol	134	C9H10O	004254-29-9	46
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	43
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	43
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	38





Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
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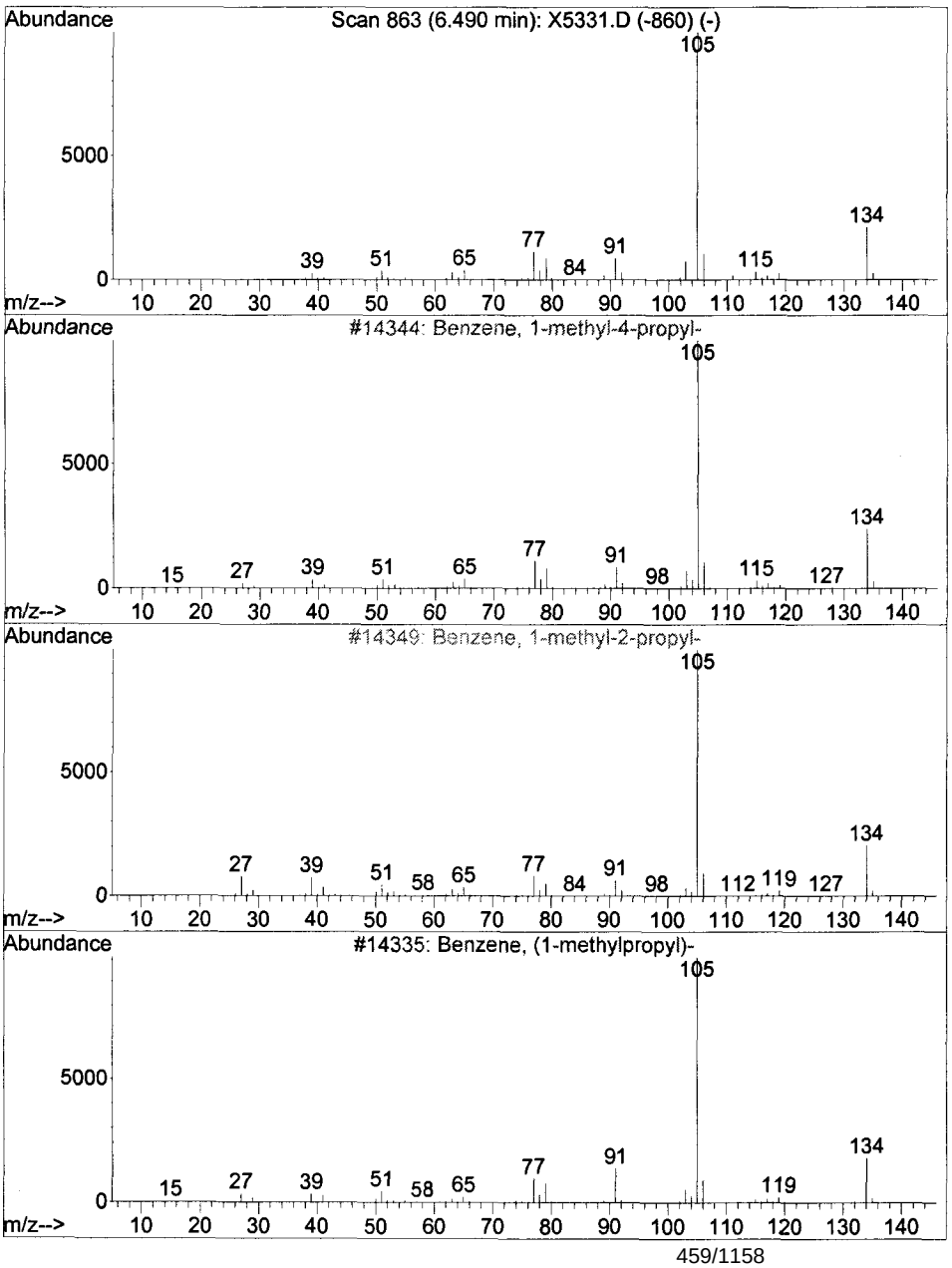
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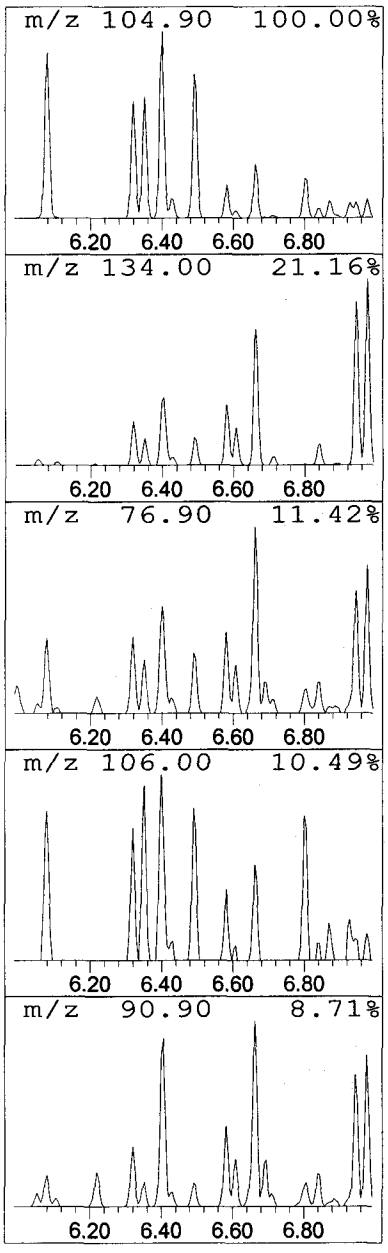
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Peak Number 10 Benzene, 1-methyl-4-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
6.49	12.23 ng	141285	CI30 1,4-Dichloro	461994	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	83





Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
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Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

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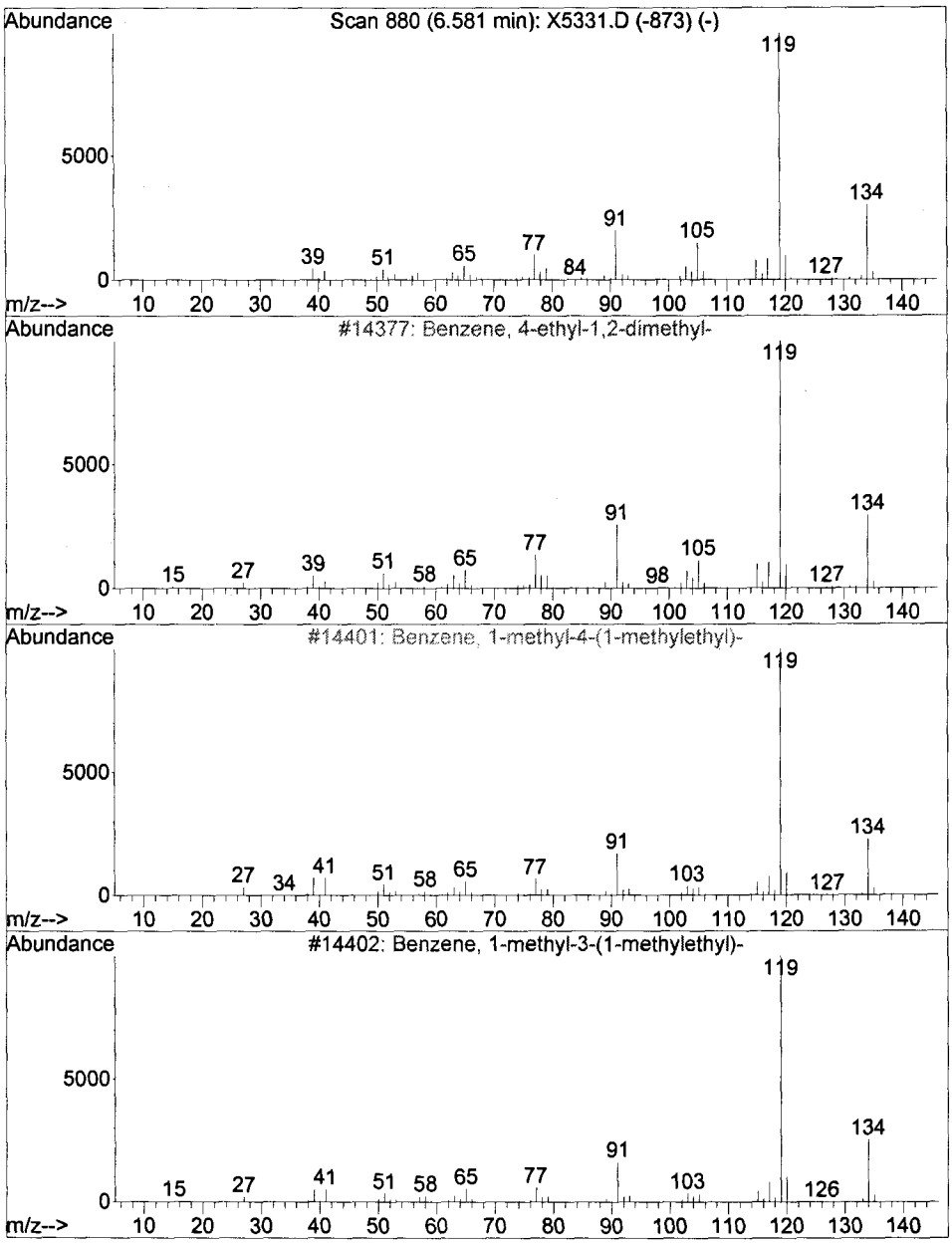
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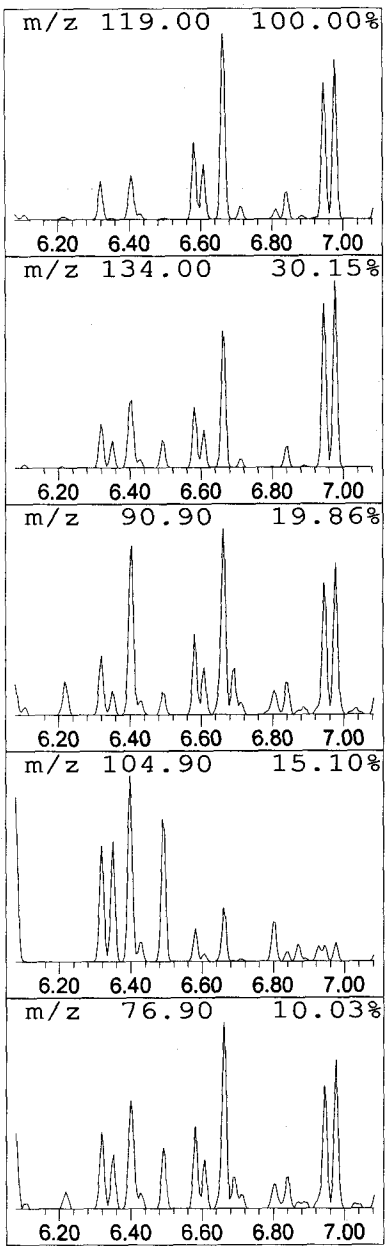
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Peak Number 11 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
6.58	28.20 ng	325648	CI30 1,4-Dichloro	461994	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	97
2	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Library Search Compound Report

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
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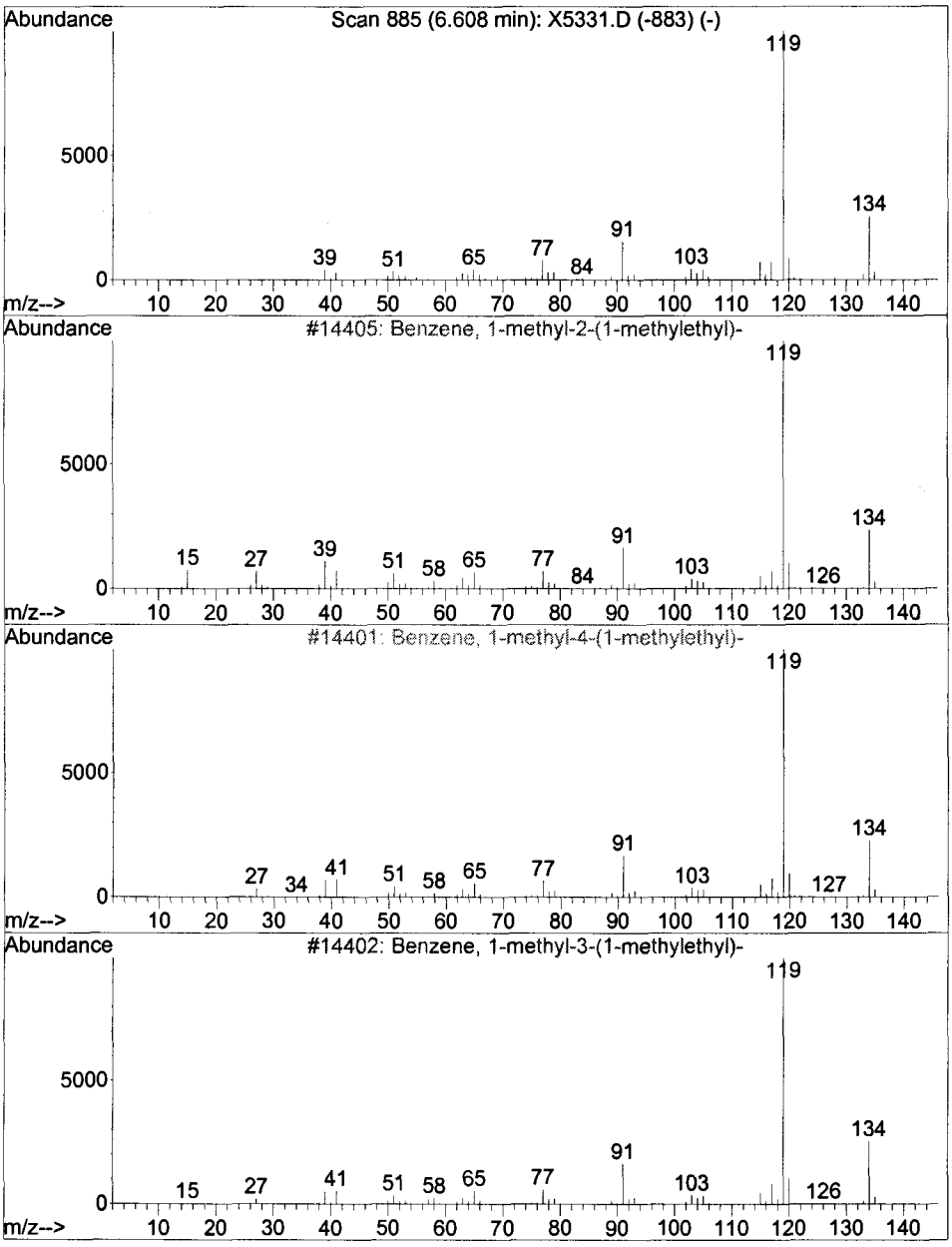
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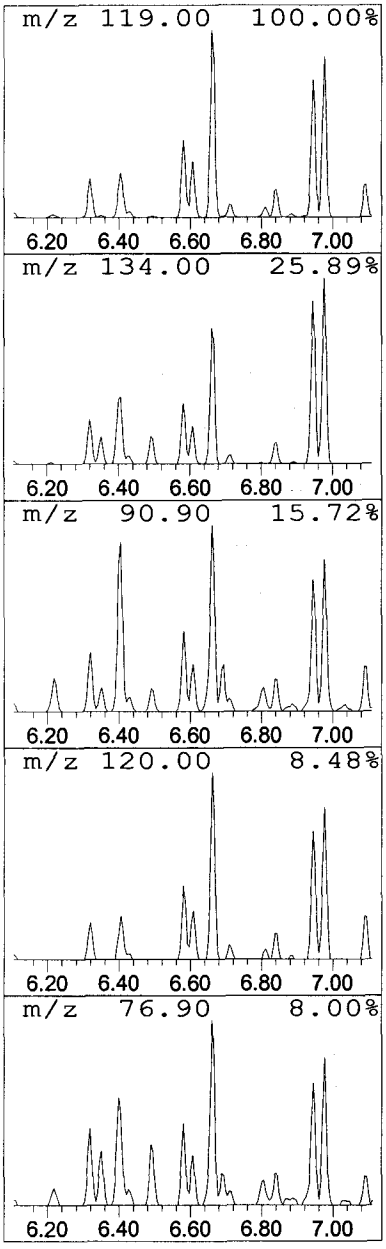
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Peak Number 12 Benzene, 1-methyl-2-(1-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
6.61	13.73 ng	158533	CI30 1,4-Dichloro	461994	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
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Multiplr: 1.00

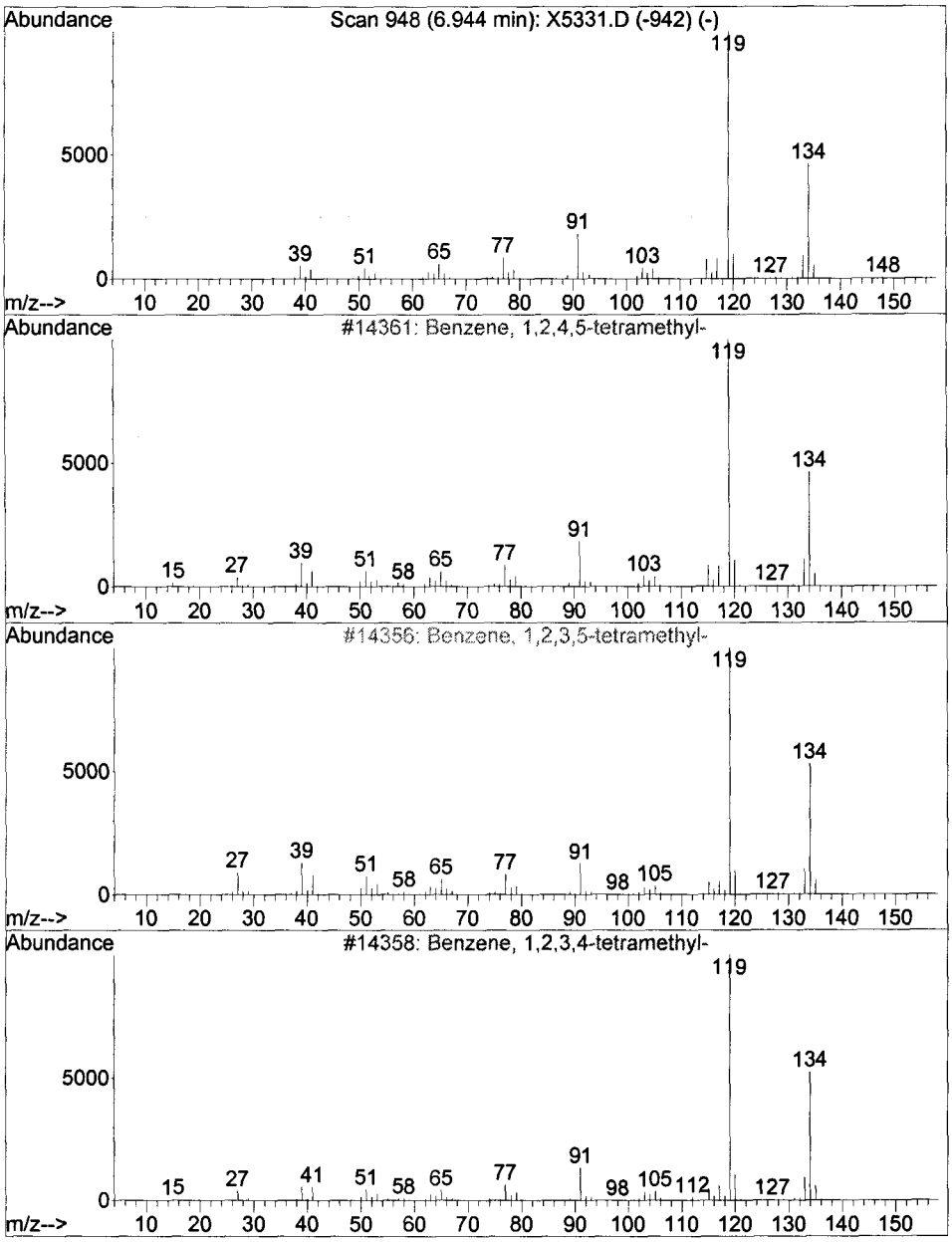
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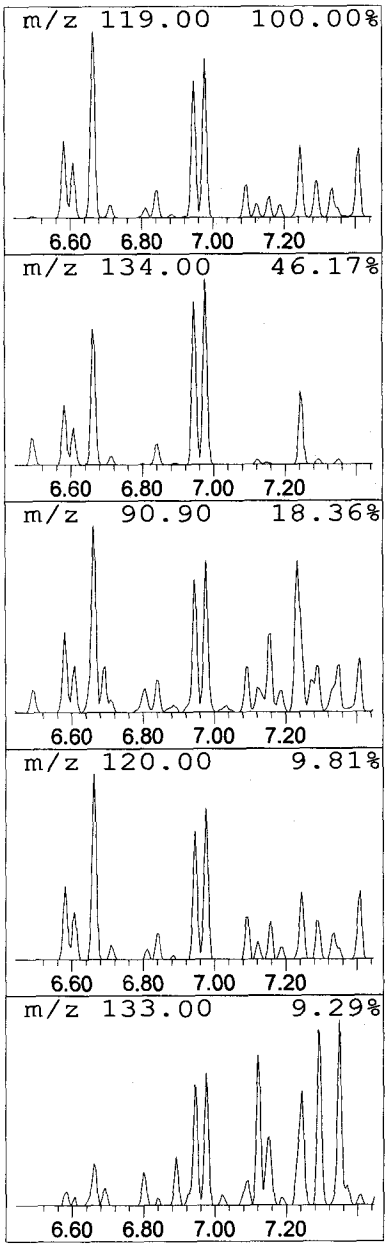
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Peak Number 13 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
6.94	19.93 ng	544696	CI40 Naphthalene-	1093430	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Library Search Compound Report

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
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Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

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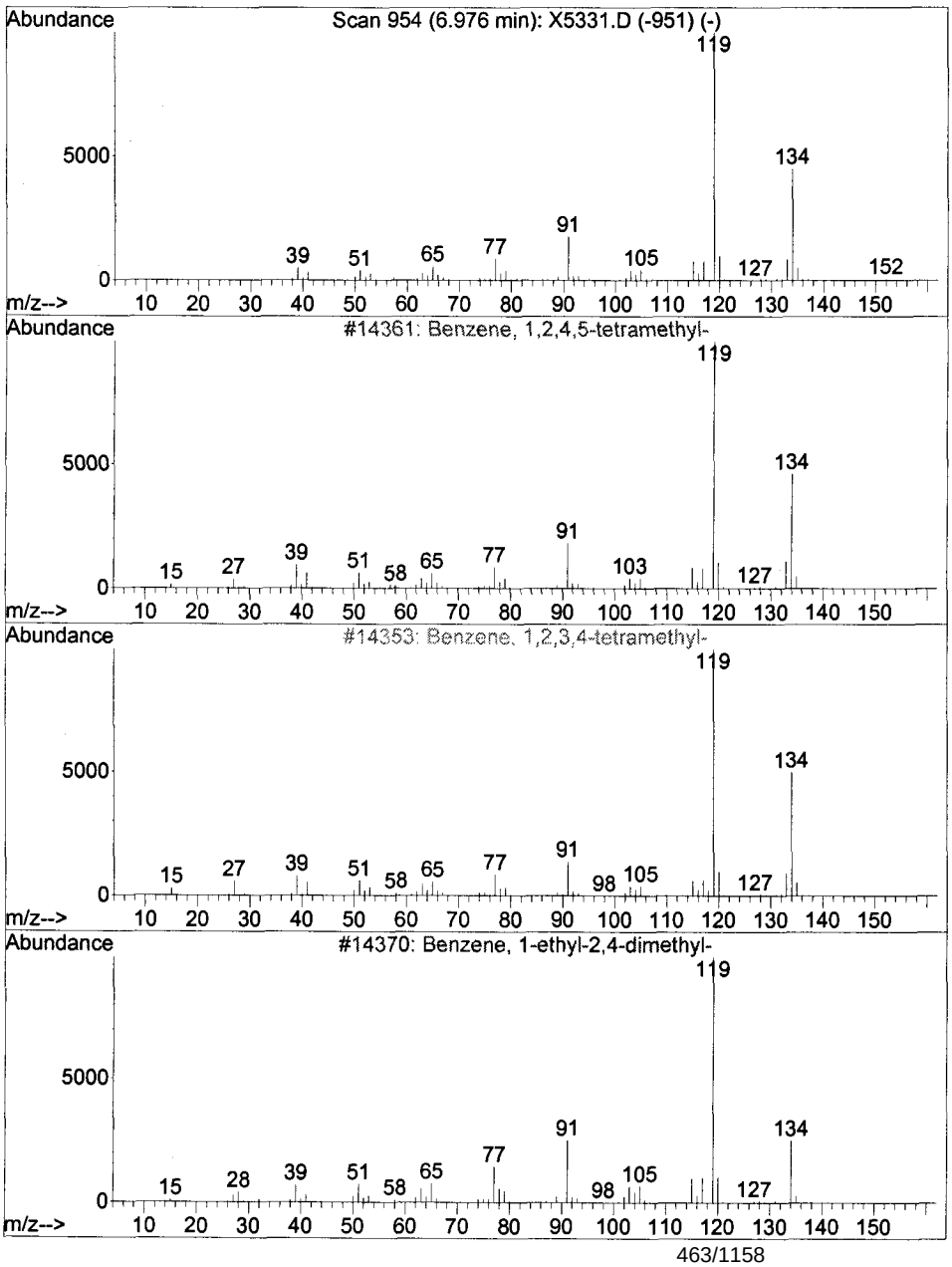
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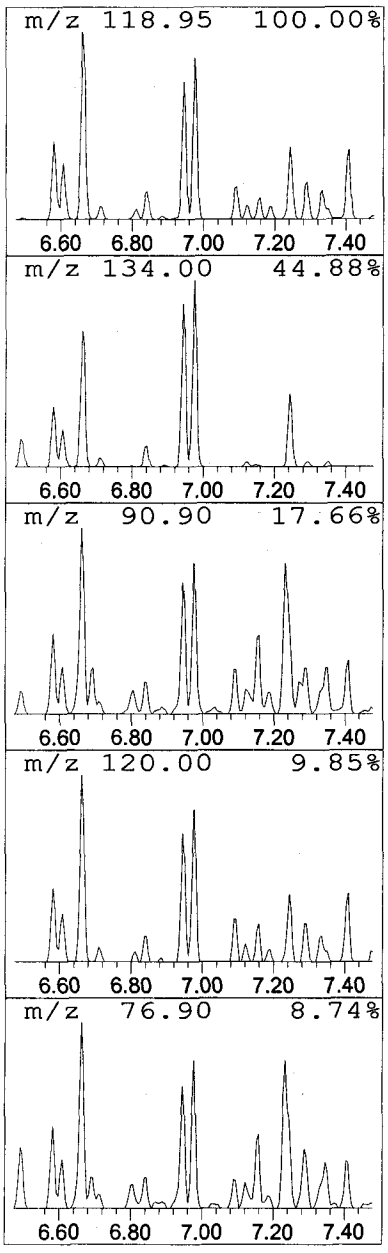
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Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
6.98	21.03 ng	574922	CI40 Naphthalene-	1093430	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
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Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

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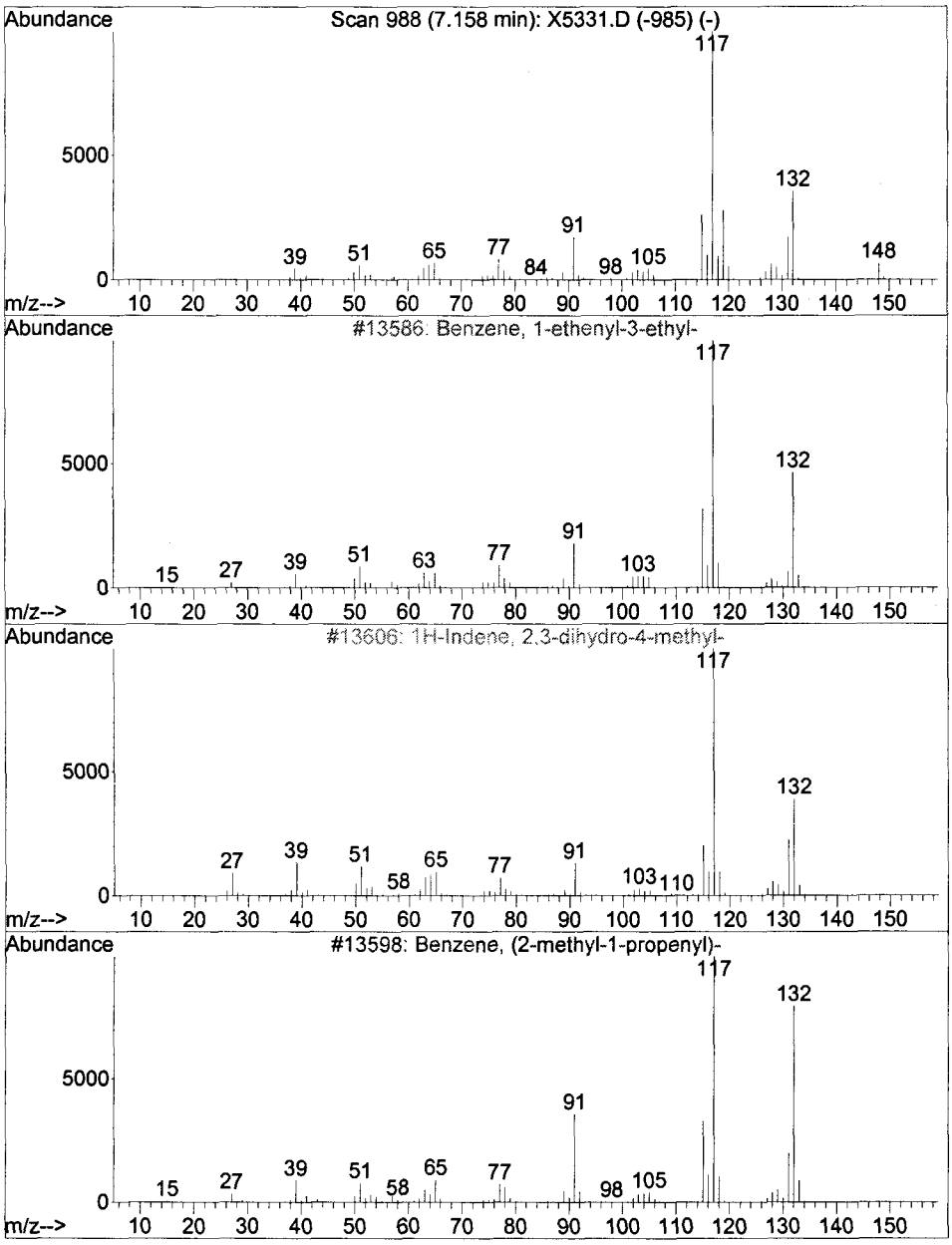
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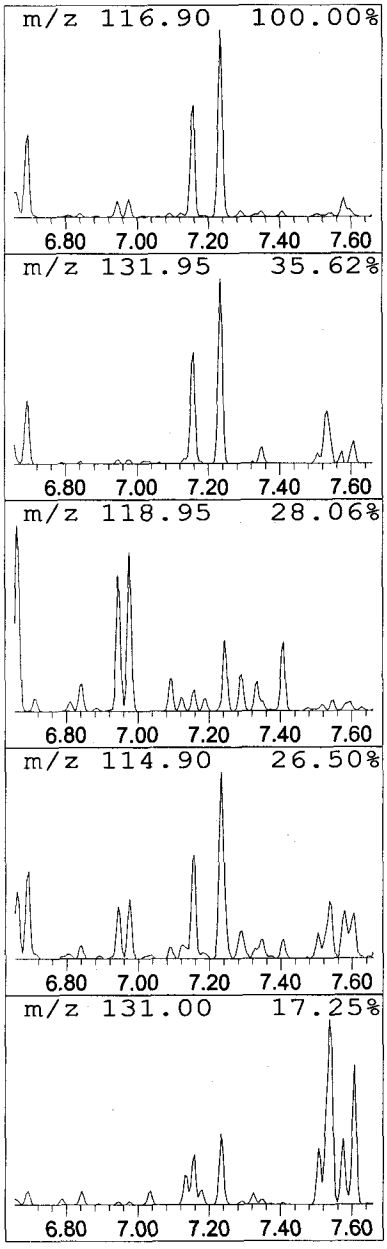
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Peak Number 15 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
7.16	15.29 ng	417913	CI40 Naphthalene-	1093430	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81





Library Search Compound Report

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

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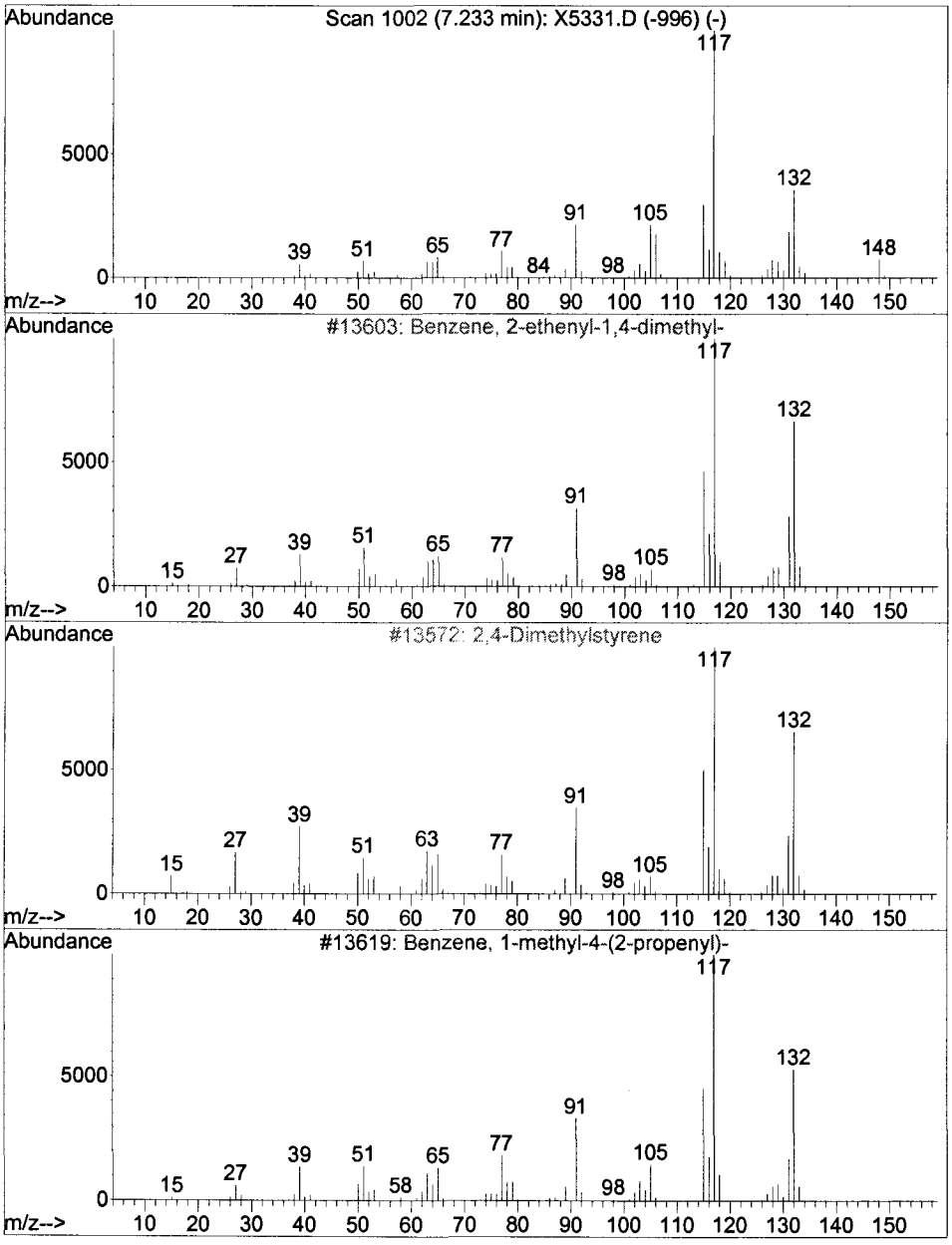
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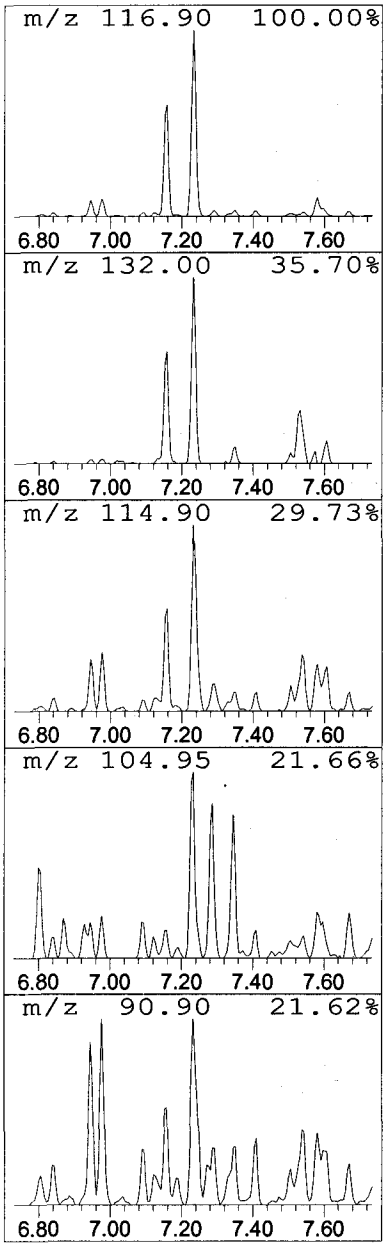
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Peak Number 16 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
7.23	37.35 ng	1020900	CI40 Naphthalene-	1093430	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	91
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83





Data File : D:\DATA\120810\X5331.D
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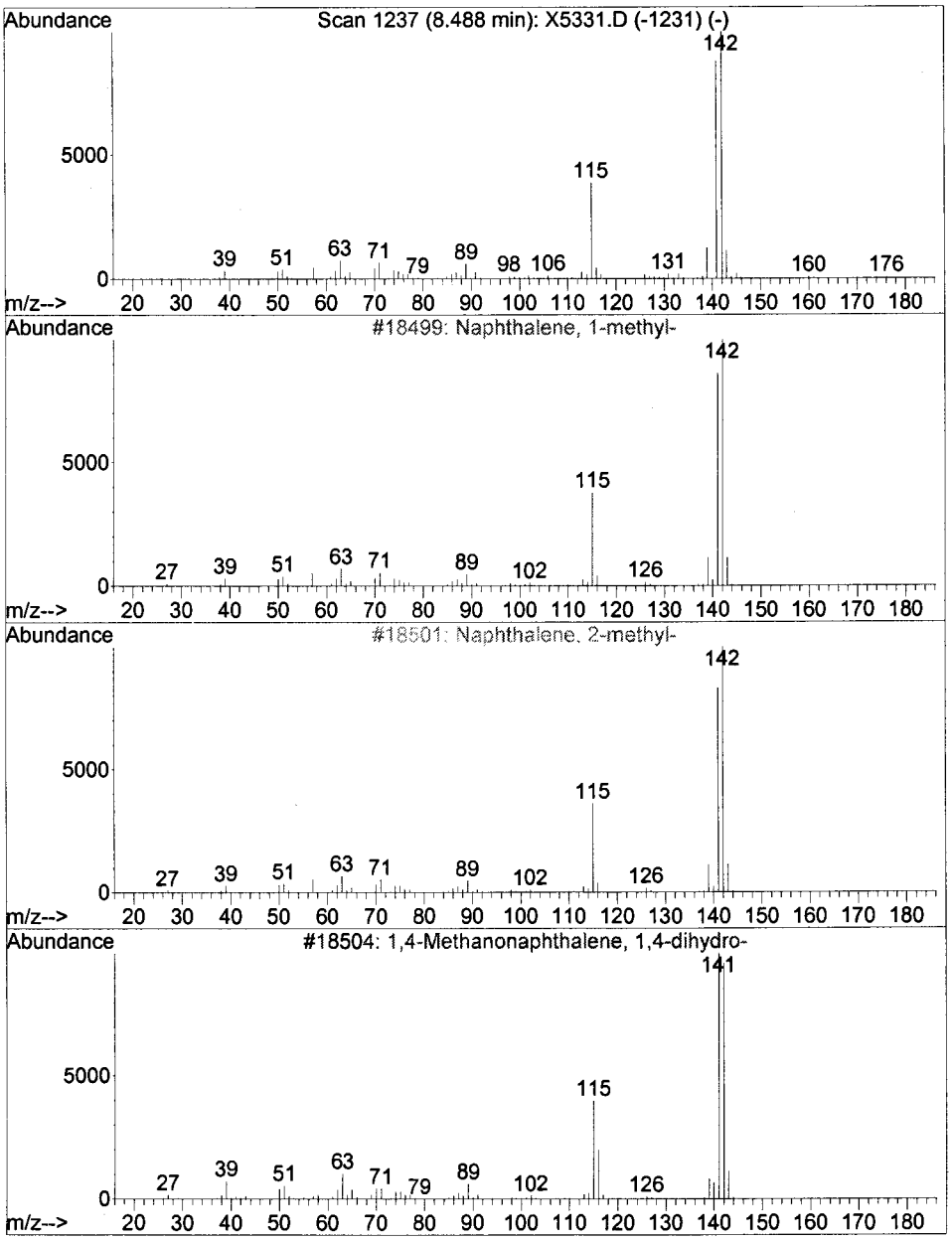
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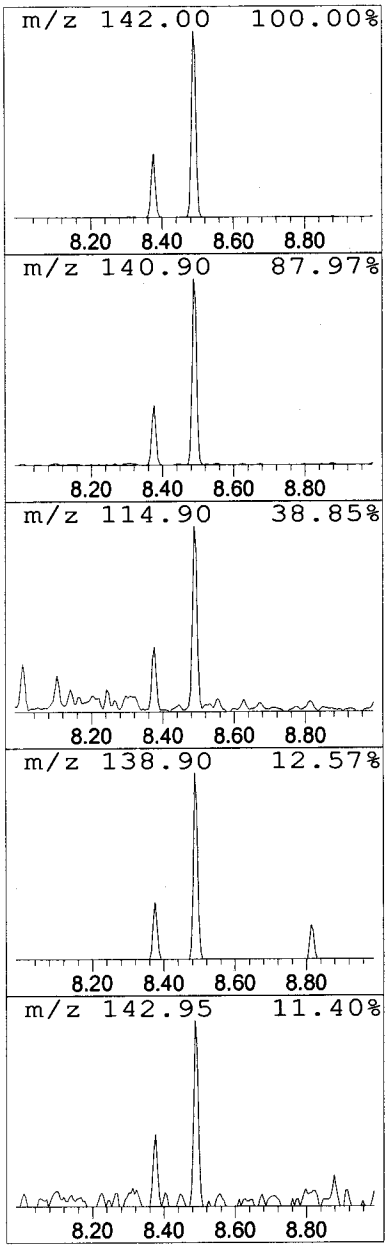
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Peak Number 17 Naphthalene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
8.49	20.48 ng	559798	CI40 Naphthalene-	1093430	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
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Misc :
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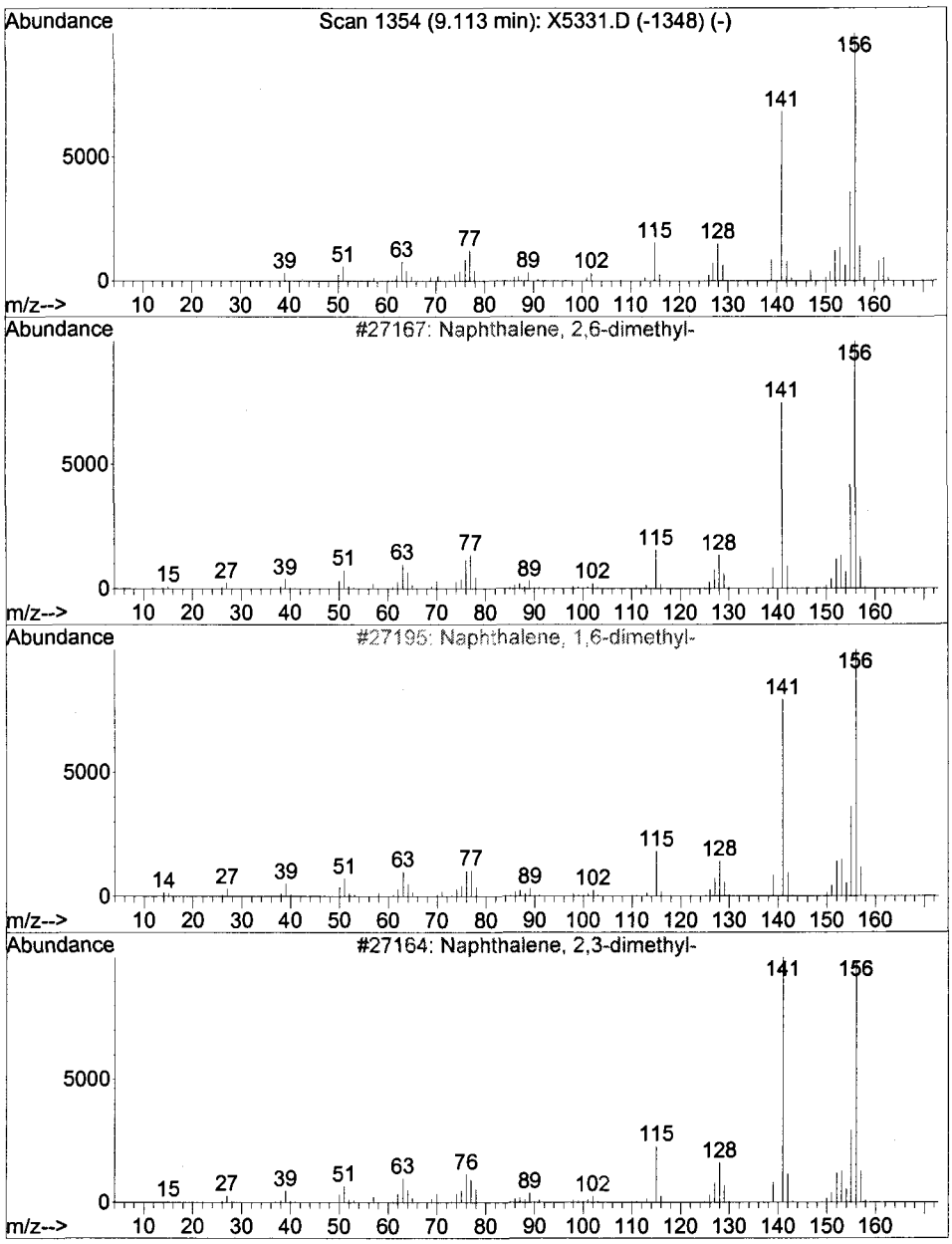
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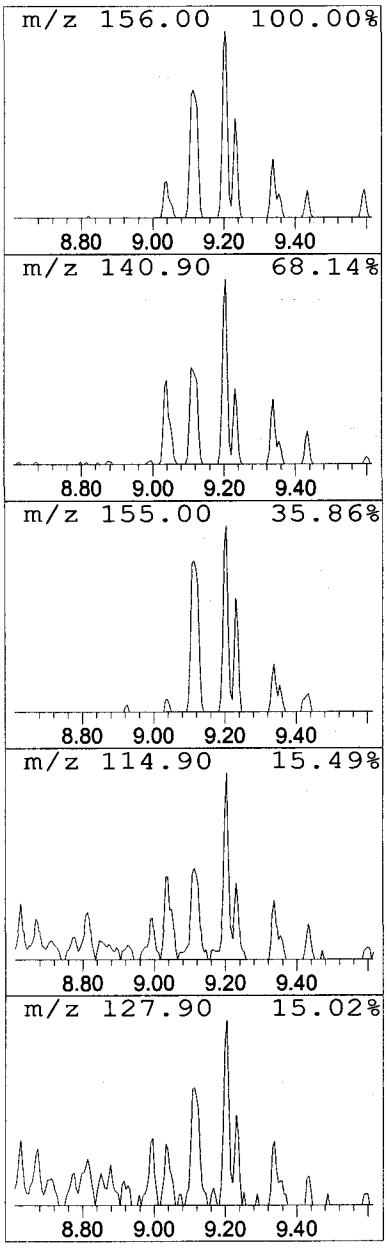
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Peak Number 18 Naphthalene, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
9.11	15.27 ng	250318	CI50 Acenaphthene	655849	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

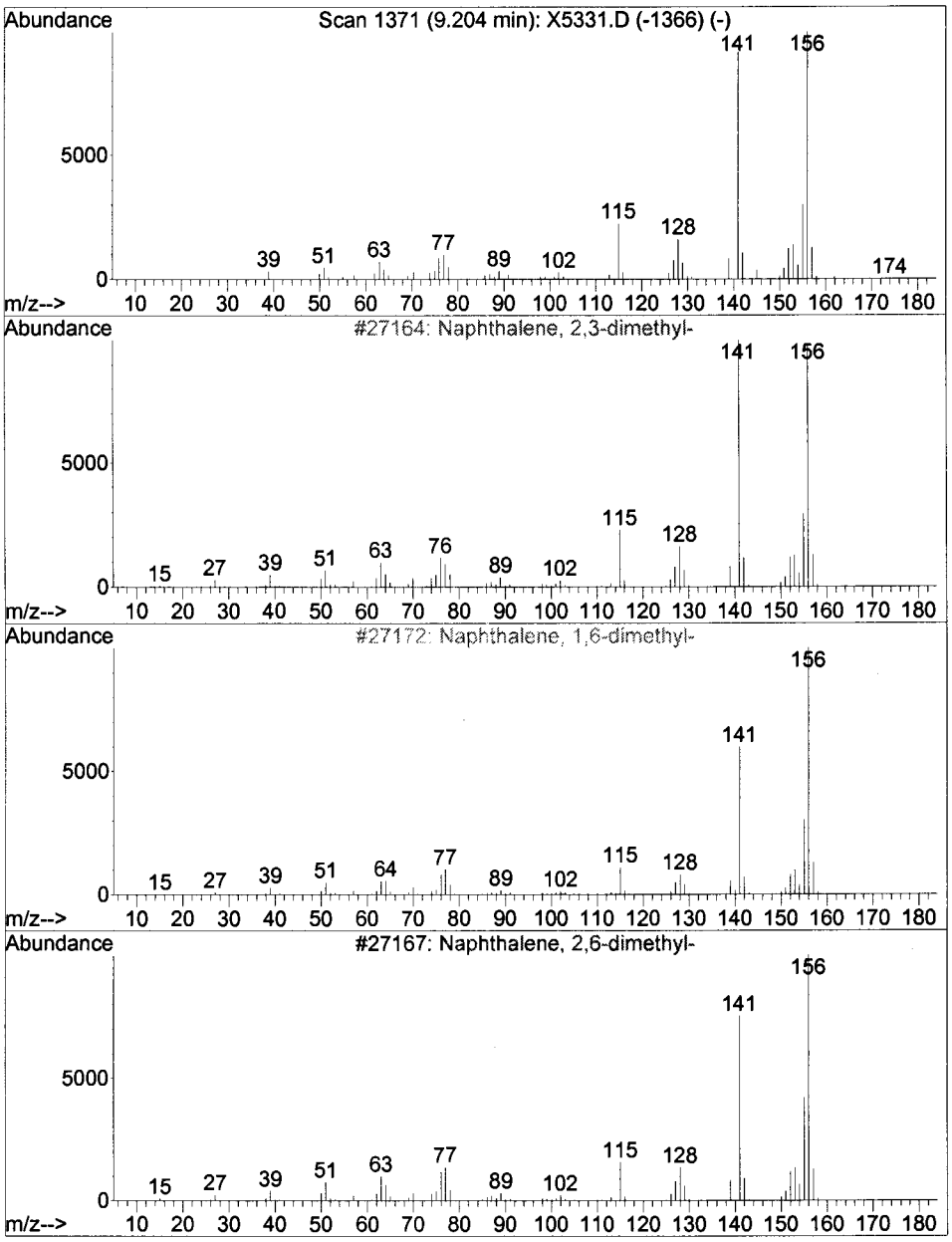
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

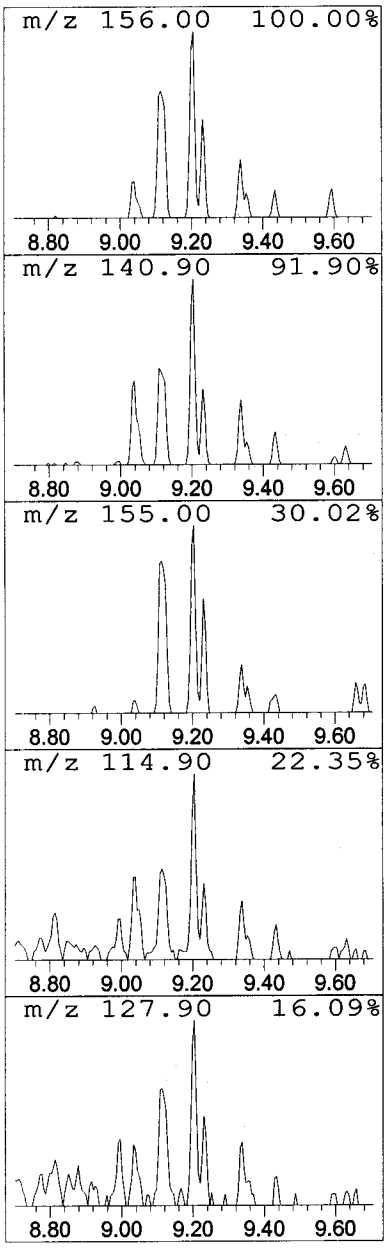
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Peak Number 19 Naphthalene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
9.20	15.19 ng	249095	CI50 Acenaphthene	655849	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

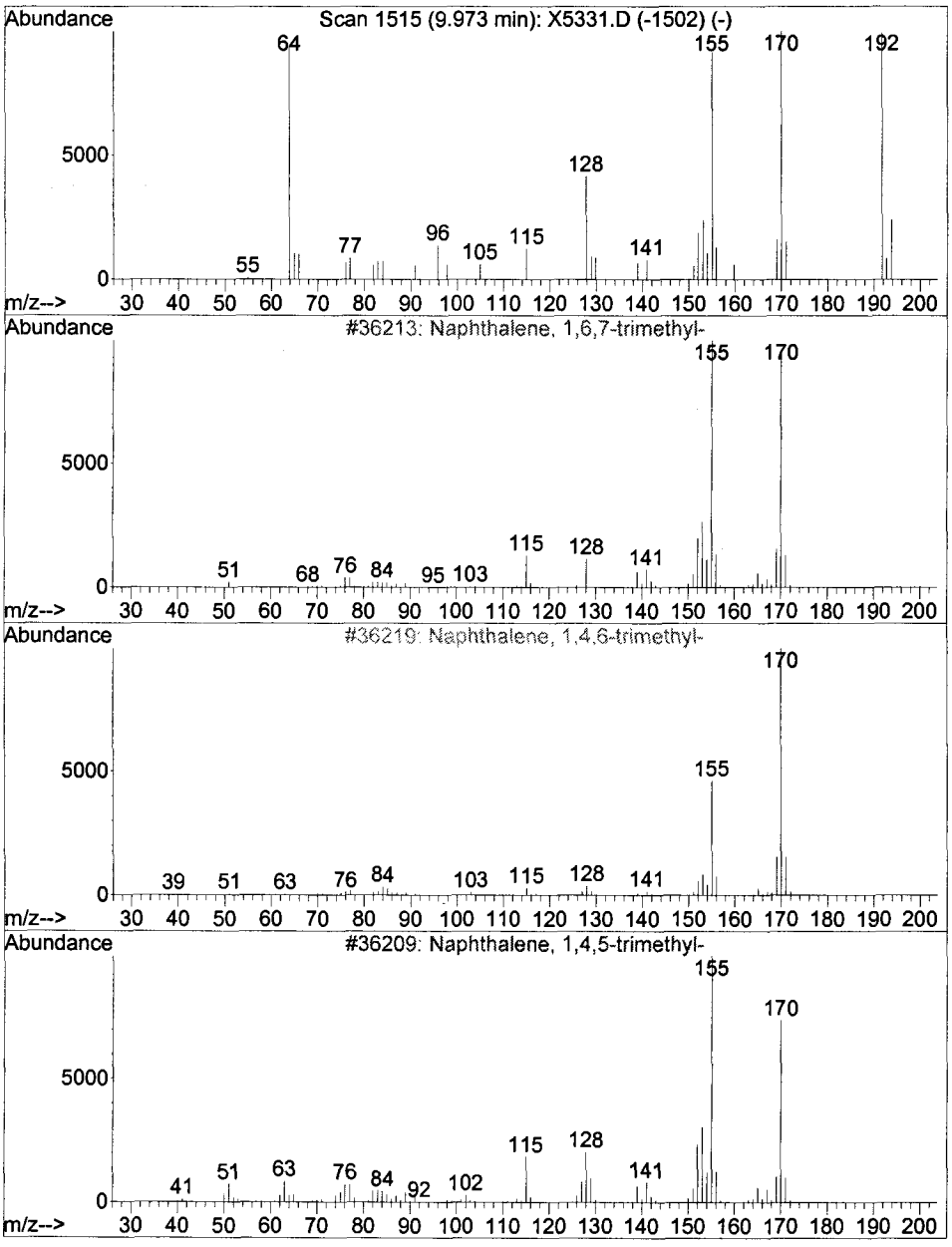
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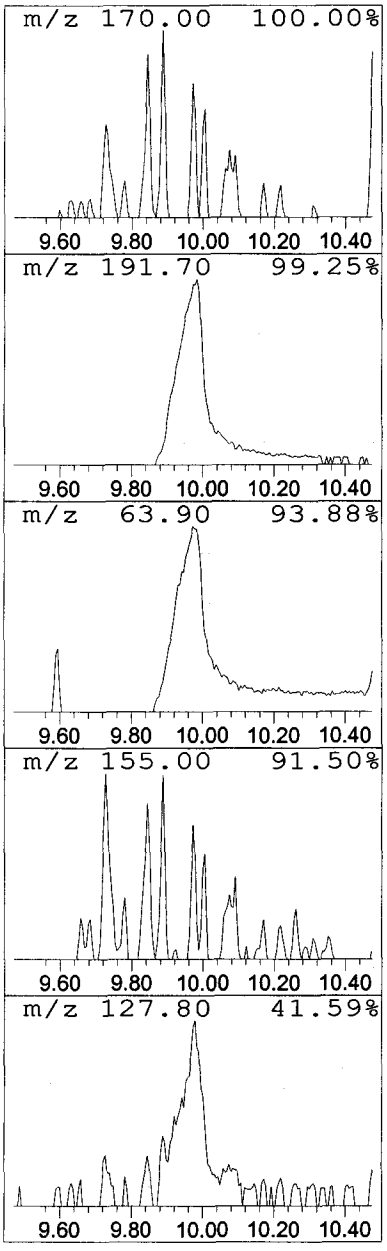
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Peak Number 20 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
9.97	12.70 ng	208216	CI50 Acenaphthene	655849	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	72
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	66
4	Sulfur	192	S6	013798-23-7	64
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	47





Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120810\X5331.D
Acq On : 8 Dec 2010 10:46
Sample : RTL0572-02
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Benzene, propyl-	5.35	26.7	ng	308761	1	5.99	461994	40.0
Nonane, 4-methyl-	5.42	21.9	ng	252821	1	5.99	461994	40.0
Benzene, 1-ethyl-...	5.46	24.3	ng	280622	1	5.99	461994	40.0
Benzene, 1-ethyl-...	5.63	29.9	ng	345770	1	5.99	461994	40.0
Benzene, 1,2,3-tr...	5.80	55.7	ng	643316	1	5.99	461994	40.0
Benzene, 1-ethyl-...	6.08	19.5	ng	224975	1	5.99	461994	40.0
Indane	6.22	16.8	ng	194524	1	5.99	461994	40.0
Benzene, 1,3-diet...	6.32	22.3	ng	257223	1	5.99	461994	40.0
2-Tolyloxirane	6.40	38.2	ng	441085	1	5.99	461994	40.0
Benzene, 1-methyl...	6.49	12.2	ng	141285	1	5.99	461994	40.0
Benzene, 4-ethyl-...	6.58	28.2	ng	325648	1	5.99	461994	40.0
Benzene, 1-methyl...	6.61	13.7	ng	158533	1	5.99	461994	40.0
Benzene, 1,2,4,5-...	6.94	19.9	ng	544696	2	7.53	1093430	40.0
Benzene, 1,2,4,5-...	6.98	21.0	ng	574922	2	7.53	1093430	40.0
Benzene, 1-etheny...	7.16	15.3	ng	417913	2	7.53	1093430	40.0
Benzene, 2-etheny...	7.23	37.3	ng	1020900	2	7.53	1093430	40.0
Naphthalene, 1-me...	8.49	20.5	ng	559798	2	7.53	1093430	40.0
Naphthalene, 2,6-...	9.11	15.3	ng	250318	3	9.59	655849	40.0
Naphthalene, 2,3-...	9.20	15.2	ng	249095	3	9.59	655849	40.0
Naphthalene, 1,6,...	9.97	12.7	ng	208216	3	9.59	655849	40.0

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-3-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-03	File ID:	X5332.D
Sampled:	12/06/10 10:10	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 11:09
Solids:	75.17	Preparation:	3550B MB	Initial/Final:	30.4 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	220	U
95-95-4	2,4,5-Trichlorophenol	1	220	U
88-06-2	2,4,6-Trichlorophenol	1	220	U
120-83-2	2,4-Dichlorophenol	1	220	U
105-67-9	2,4-Dimethylphenol	1	220	U
51-28-5	2,4-Dinitrophenol	1	430	U
121-14-2	2,4-Dinitrotoluene	1	220	U
606-20-2	2,6-Dinitrotoluene	1	220	U
91-58-7	2-Chloronaphthalene	1	220	U
95-57-8	2-Chlorophenol	1	220	U
91-57-6	2-Methylnaphthalene	1	220	U
95-48-7	2-Methylphenol	1	220	U
88-74-4	2-Nitroaniline	1	430	U
88-75-5	2-Nitrophenol	1	220	U
91-94-1	3,3'-Dichlorobenzidine	1	220	U
99-09-2	3-Nitroaniline	1	430	U
534-52-1	4,6-Dinitro-2-methylphenol	1	430	U
101-55-3	4-Bromophenyl phenyl ether	1	220	U
59-50-7	4-Chloro-3-methylphenol	1	220	U
106-47-8	4-Chloroaniline	1	220	U
7005-72-3	4-Chlorophenyl phenyl ether	1	220	U
106-44-5	4-Methylphenol	1	430	U
100-01-6	4-Nitroaniline	1	430	U
100-02-7	4-Nitrophenol	1	430	U
83-32-9	Acenaphthene	1	220	U
208-96-8	Acenaphthylene	1	220	U
98-86-2	Acetophenone	1	220	U
120-12-7	Anthracene	1	220	U
1912-24-9	Atrazine	1	220	U
100-52-7	Benzaldehyde	1	220	U
56-55-3	Benzo(a)anthracene	1	220	U
50-32-8	Benzo(a)pyrene	1	220	U
205-99-2	Benzo(b)fluoranthene	1	220	U
191-24-2	Benzo(ghi)perylene	1	220	U
207-08-9	Benzo(k)fluoranthene	1	220	U
92-52-4	Biphenyl	1	220	U
111-91-1	Bis(2-chloroethoxy)methane	1	220	U
111-44-4	Bis(2-chloroethyl)ether	1	220	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	220	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

SP-3-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-03	File ID:	X5332.D
Sampled:	12/06/10 10:10	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 11:09
Solids:	75.17	Preparation:	3550B MB	Initial/Final:	30.4 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	220	U
105-60-2	Caprolactam	1	220	U
86-74-8	Carbazole	1	220	U
218-01-9	Chrysene	1	220	U
53-70-3	Dibenzo(a,h)anthracene	1	220	U
132-64-9	Dibenzofuran	1	220	U
84-66-2	Diethyl phthalate	1	220	U
131-11-3	Dimethyl phthalate	1	220	U
84-74-2	Di-n-butyl phthalate	1	220	U
117-84-0	Di-n-octyl phthalate	1	220	U
206-44-0	Fluoranthene	1	220	U
86-73-7	Fluorene	1	220	U
118-74-1	Hexachlorobenzene	1	220	U
87-68-3	Hexachlorobutadiene	1	220	U
77-47-4	Hexachlorocyclopentadiene	1	220	U
67-72-1	Hexachloroethane	1	220	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	220	U
78-59-1	Isophorone	1	220	U
91-20-3	Naphthalene	1	220	U
98-95-3	Nitrobenzene	1	220	U
621-64-7	N-Nitrosodi-n-propylamine	1	220	U
86-30-6	N-Nitrosodiphenylamine	1	220	U
87-86-5	Pentachlorophenol	1	430	U
85-01-8	Phenanthrene	1	220	U
108-95-2	Phenol	1	220	U
129-00-0	Pyrene	1	220	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6560	7890	120	39 - 146	
2-Fluorobiphenyl	4380	3740	85	37 - 120	
2-Fluorophenol	6560	4970	76	18 - 120	
Nitrobenzene-d5	4380	3870	88	34 - 132	
Phenol-d5	6560	5500	84	11 - 120	
p-Terphenyl-d14	4380	3680	84	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	88478	5.99	97150	5.99	
Acenaphthene-d10	194626	9.59	204736	9.59	
Chrysene-d12	449004	13.58	416640	13.58	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-3-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-03	File ID:	X5332.D
Sampled:	12/06/10 10:10	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 11:09
Solids:	75.17	Preparation:	3550B MB	Initial/Final:	30.4 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8	330103	7.53	352894	7.53	
Perylene-d12	573578	14.8	500422	14.8	
Phenanthrene-d10	332173	11.19	344124	11.19	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5332.D Vial: 4
Acq On : 8 Dec 2010 11:09 Operator: MKP
Sample : RTL0572-03 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:54:08 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	88478	40.00	ng	0.00 91.07%
21) CI40 Naphthalene-d8	7.53	136	330103	40.00	ng	0.00 93.54%
37) CI50 Acenaphthene-d10	9.59	164	194626	40.00	ng	0.00 95.06%
58) CI60 Phenanthrene-d10	11.19	188	332173	40.00	ng	0.00 96.53%
70) CI70 Chrysene-d12	13.58	240	449004	40.00	ng	0.00 107.77%
80) CI75 Perylene-d12	14.80	264	573578	40.00	ng	0.00 114.62%
System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.32	112	389427	113.64	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 75.76%			
6) CS45 Phenol-d5	5.57	99	519700	125.79	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 83.86%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.67	82	292365	88.45	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 88.45%			
41) CS25 2-Fluorobiphenyl	8.81	172	526921	85.37	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 85.37%			
61) CS55 2,4,6-Tribromophenol	10.48	330	157774	180.21	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 120.14%			
73) CS30 Terphenyl-d14	12.68	244	681353	84.19	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 84.19%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.
3) E100 Pyridine	0.00	79	0	N.D.
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.
8) C315 Phenol	0.00	94	0	N.D.
9) C330 2-Chlorophenol	0.00	128	0	N.D.
10) C320 aniline	0.00	93	0	N.D.
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.
15) C345 Benzyl alcohol	0.00	108	0	N.D.
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.
17) C355 2-Methylphenol	0.00	108	0	N.D.
18) C375 Hexachloroethane	0.00	117	0	N.D.
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.
20) C365 4-Methylphenol	0.00	108	0	N.D.
23) C410 Nitrobenzene	0.00	77	0	N.D.
24) C415 Isophorone	0.00	82	0	N.D.
25) C011 Tetraethyl Lead	0.00	237	0	N.D.
26) C430 benzoic acid	0.00	122	0	N.D.
27) C420 2-Nitrophenol	0.00	139	0	N.D.
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.

Data File : D:\DATA\120810\X5332.D Vial: 4
Acq On : 8 Dec 2010 11:09 Operator: MKP
Sample : RTL0572-03 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:54:08 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.	
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.	
32) C450 Naphthalene	0.00	128	0	N.D.	
33) C455 4-Chloroaniline	0.00	127	0	N.D.	
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.	
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.	
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.	
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.	
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.	
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.	
42) C525 2-Chloronaphthalene	0.00	162	0	N.D. d	
43) C530 2-Nitroaniline	0.00	65	0	N.D.	
44) C540 Acenaphthylene	0.00	152	0	N.D.	
45) C535 Dimethylphthalate	0.00	163	0	N.D.	
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.	
47) C550 Acenaphthene	0.00	153	0	N.D.	
48) C545 3-Nitroaniline	0.00	138	0	N.D.	
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
50) C565 Dibenzofuran	0.00	168	0	N.D.	
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
52) C560 4-Nitrophenol	0.00	109	0	N.D.	
53) C590 Fluorene	0.00	166	0	N.D.	
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.	
55) C580 Diethylphthalate	0.00	149	0	N.D.	
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.	
57) C595 4-Nitroaniline	0.00	138	0	N.D.	
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.	
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.	
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.	
63) C630 Hexachlorobenzene	0.00	284	0	N.D.	
64) C635 Pentachlorophenol	0.00	266	0	N.D.	
65) C640 Phenanthrene	11.21	178	2003	N.D.	
66) C645 Anthracene	11.21	178	2003	N.D.	
67) C647 carbazole	0.00	167	0	N.D.	
68) C650 Di-n-butylphthalate	11.77	149	3771	0.43 ng	90
69) C655 Fluoranthene	12.33	202	2681	N.D.	
71) C715 Pyrene	12.53	202	2236	N.D.	
72) C710 benzidine	0.00	184	0	N.D.	
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.	
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.	
76) C730 Benzo[a]anthracene	13.58	228	2662	N.D.	
77) C735 Chrysene	13.58	228	2662	N.D.	
78) C740 bis(2-Ethylhexyl)ph	13.58	149	4168	N.D.	
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.	
81) C765 Benzo[b]fluoranthen	14.47	252	4373	N.D.	
82) C770 Benzo[k]fluoranthen	14.47	252	4373	N.D.	
83) C775 Benzo[a]pyrene	14.74	252	2196	N.D.	
84) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.	
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.	
86) C790 Benzo[g,h,i]perylen	16.08	276	3050	N.D.	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5332.D Vial: 4
Acq On : 8 Dec 2010 11:09 Operator: MKP
Sample : RTL0572-03 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:54:08 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5332.D Vial: 4
Acq On : 8 Dec 2010 11:09 Operator: MKP
Sample : RTL0572-03 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:58:00 2010 Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:57:39 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5327.D (8 Dec 2010 9:15)

12/09/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	88478	40.00	ng	0.00 102.71%
4) CI40 Naphthalene-d8	7.53	136	330103	40.00	ng	0.00 113.01%
7) CI50 Acenaphthene-d8	9.59	164	194626	40.00	ng	0.00 121.87%
10) CI60 Phenanthrene-d10	11.19	188	332173	40.00	ng	0.00 125.13%
12) CI70 Chrysene-d12	13.58	240	449004	40.00	ng	0.00 131.67%
13) CI75 Perylene-d12	14.80	264	573578	40.00	ng	0.00 153.32%

Target Compounds					Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	
3) E145 Acetophenone	0.00	105	0	N.D.	
5) E655 Caprolactam	0.00	113	0	N.D.	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.	
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.	
11) E510 Atrazine	0.00	200	0	N.D.	

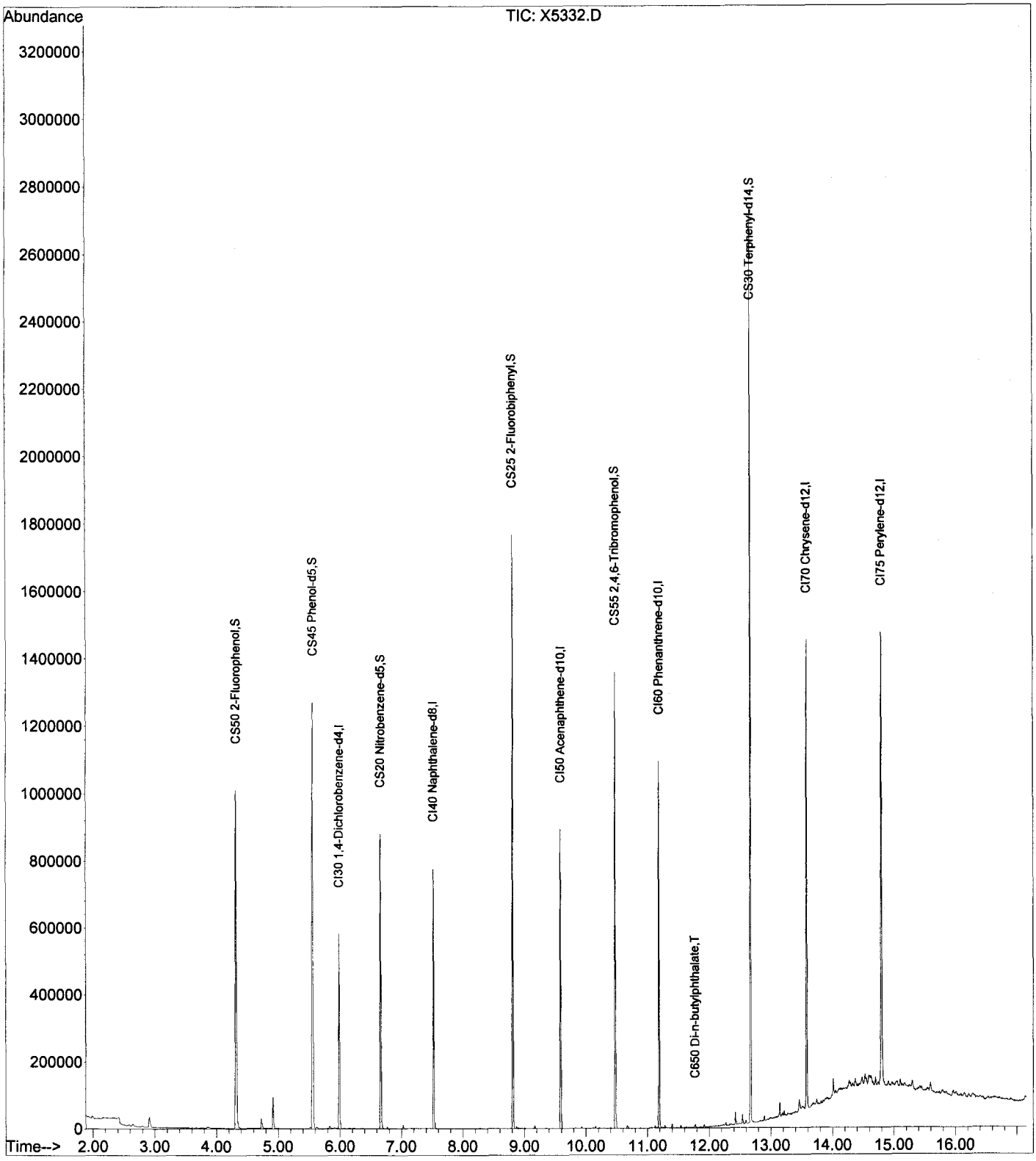
(#) = qualifier out of range (m) = manual integration (+) = signals summed

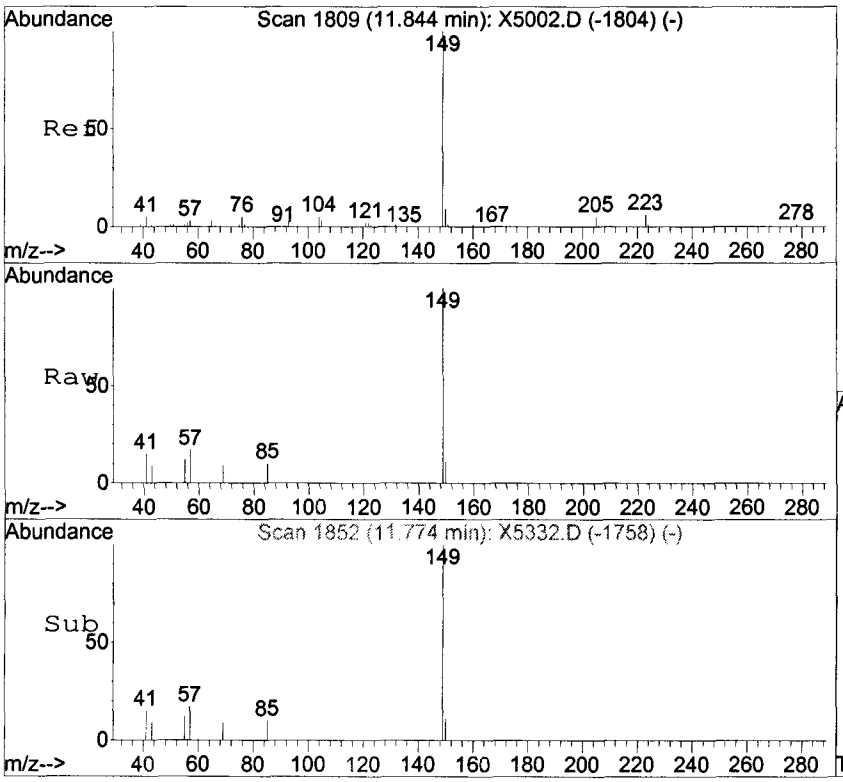
Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5332.D
Acq On : 8 Dec 2010 11:09
Sample : RTL0572-03
Misc :
MS Integration Params: rteint.p

Vial: 4
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 09 12:54:08 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

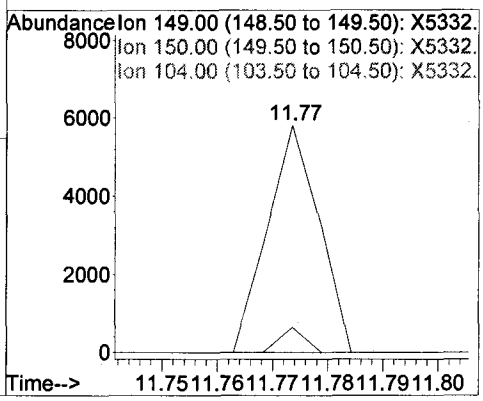




#68
C650 Di-n-butylphthalate
Concen: 0.43 ng
RT: 11.77 min Scan# 1852
Delta R.T. -0.00 min
Lab File: X5332.D
Acq: 8 Dec 2010 11:09

Tgt Ion:149 Resp: 3771

Ion	Ratio	Lower	Upper
149	100		
150	11.1	0.0	29.0
104	0.0	0.0	25.3



Library Search Compound Report

Data File : D:\DATA\120810\X5332.D
Acq On : 8 Dec 2010 11:09
Sample : RTL0572-03
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

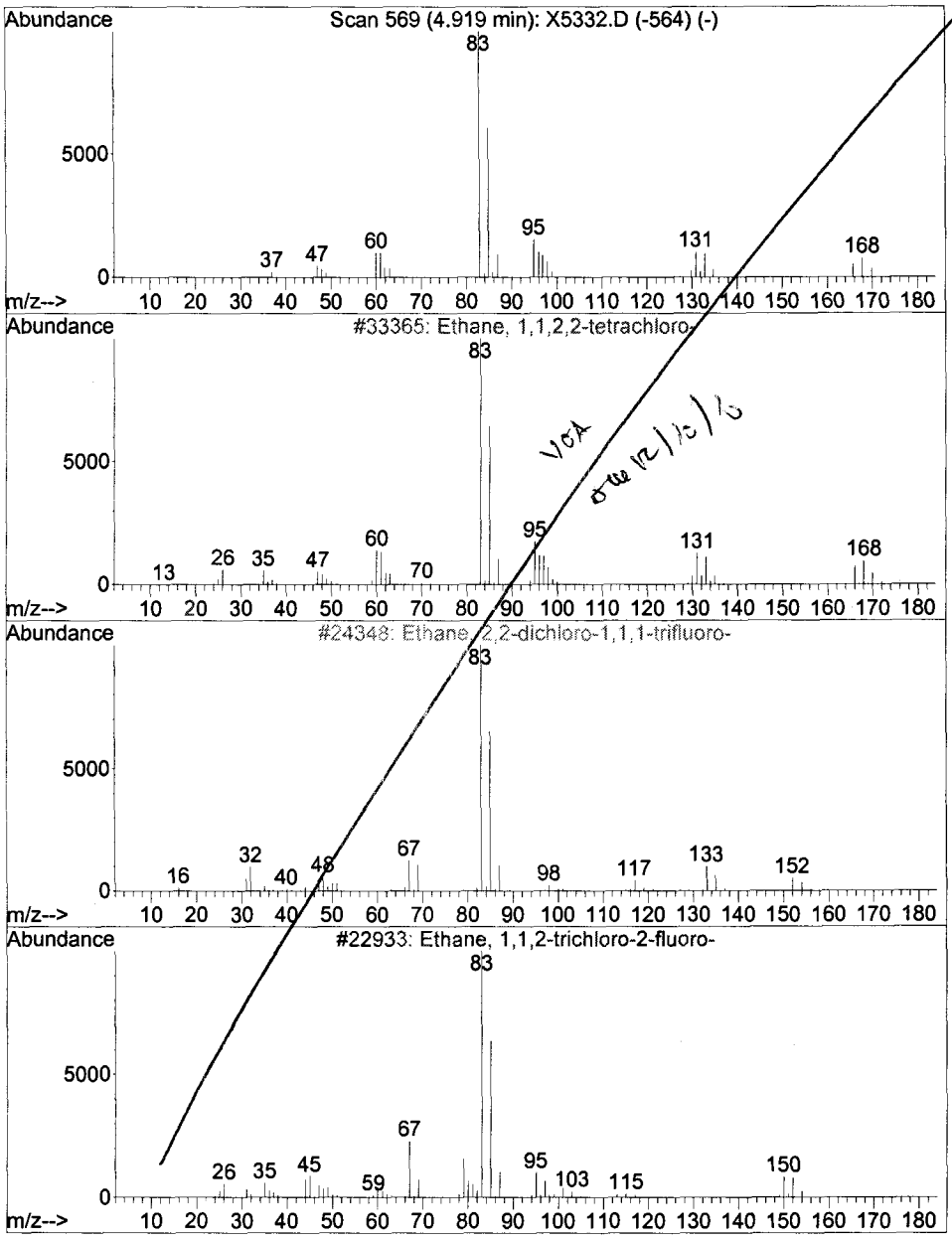
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

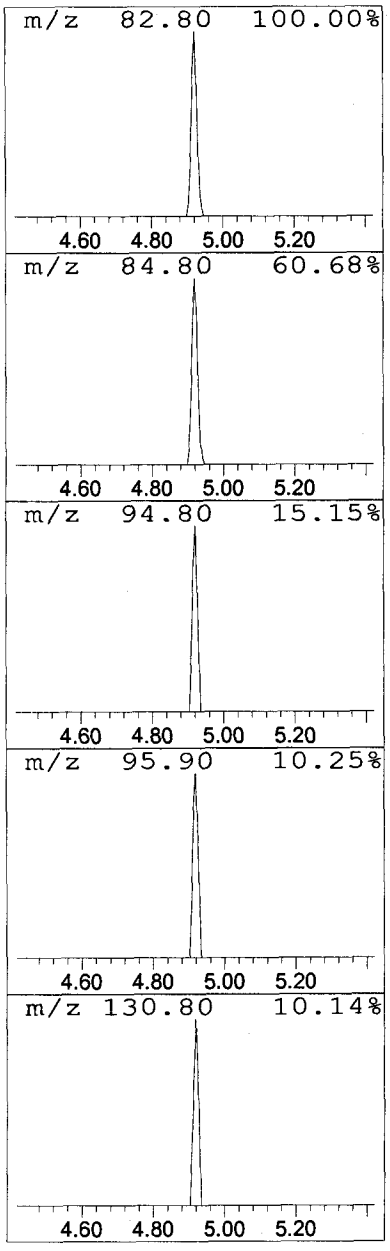
****

Peak Number 1 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.92	7.35 ng	100095	CI30 1,4-Dichloro	544416	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	97
2	Ethane, 2,2-dichloro-1,1,1-trifl...	152	C2HCl2F3	000306-83-2	42
3	Ethane, 1,1,2-trichloro-2-fluoro-	150	C2H2Cl3F	000359-28-4	42
4	Ethane, 1,1-dichloro-2,2-difluoro-	134	C2H2Cl2F2	000471-43-2	42
5	Ethane, 1,2,2-trichloro-1,1-difl...	168	C2HCl3F2	000354-21-2	35





Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120810\X5332.D
Acq On : 8 Dec 2010 11:09
Sample : RTL0572-03
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Ethane, 1,1,2,2-t...	4.92	7.4	ng	100095	1	5.99	544416	40.0

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-4-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-04	File ID:	X5333.D
Sampled:	12/06/10 10:40	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 11:32
Solids:	78.21	Preparation:	3550B MB	Initial/Final:	30.42 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	2100	UD
95-95-4	2,4,5-Trichlorophenol	10	2100	UD
88-06-2	2,4,6-Trichlorophenol	10	2100	UD
120-83-2	2,4-Dichlorophenol	10	2100	UD
105-67-9	2,4-Dimethylphenol	10	2100	UD
51-28-5	2,4-Dinitrophenol	10	4200	UD
121-14-2	2,4-Dinitrotoluene	10	2100	UD
606-20-2	2,6-Dinitrotoluene	10	2100	UD
91-58-7	2-Chloronaphthalene	10	2100	UD
95-57-8	2-Chlorophenol	10	2100	UD
91-57-6	2-Methylnaphthalene	10	2100	UD
95-48-7	2-Methylphenol	10	2100	UD
88-74-4	2-Nitroaniline	10	4200	UD
88-75-5	2-Nitrophenol	10	2100	UD
91-94-1	3,3'-Dichlorobenzidine	10	2100	UD
99-09-2	3-Nitroaniline	10	4200	UD
534-52-1	4,6-Dinitro-2-methylphenol	10	4200	UD
101-55-3	4-Bromophenyl phenyl ether	10	2100	UD
59-50-7	4-Chloro-3-methylphenol	10	2100	UD
106-47-8	4-Chloroaniline	10	2100	UD
7005-72-3	4-Chlorophenyl phenyl ether	10	2100	UD
106-44-5	4-Methylphenol	10	4200	UD
100-01-6	4-Nitroaniline	10	4200	UD
100-02-7	4-Nitrophenol	10	4200	UD
83-32-9	Acenaphthene	10	2100	UD
208-96-8	Acenaphthylene	10	2100	UD
98-86-2	Acetophenone	10	2100	UD
120-12-7	Anthracene	10	2100	UD
1912-24-9	Atrazine	10	2100	UD
100-52-7	Benzaldehyde	10	2100	UD
56-55-3	Benzo(a)anthracene	10	2100	UD
50-32-8	Benzo(a)pyrene	10	2100	UD
205-99-2	Benzo(b)fluoranthene	10	2100	UD
191-24-2	Benzo(ghi)perylene	10	2100	UD
207-08-9	Benzo(k)fluoranthene	10	2100	UD
92-52-4	Biphenyl	10	2100	UD
111-91-1	Bis(2-chloroethoxy)methane	10	2100	UD
111-44-4	Bis(2-chloroethyl)ether	10	2100	UD
117-81-7	Bis(2-ethylhexyl) phthalate	10	2100	UD

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-4-2-4

Laboratory: TestAmerica Buffalo | SDG: RTL0572

Client: PARS Environmental, Inc. | Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid | Laboratory ID: RTL0572-04 | File ID: X5333.D

Sampled: 12/06/10 10:40 | Prepared: 12/07/10 10:08 | Analyzed: 12/08/10 11:32

Solids: 78.21 | Preparation: 3550B MB | Initial/Final: 30.42 g / 1 mL

Batch: 10L0497 | Sequence: T005575 | Calibration: R10K083 | Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	10	2100	UD
105-60-2	Caprolactam	10	2100	UD
86-74-8	Carbazole	10	2100	UD
218-01-9	Chrysene	10	2100	UD
53-70-3	Dibenzo(a,h)anthracene	10	2100	UD
132-64-9	Dibenzofuran	10	2100	UD
84-66-2	Diethyl phthalate	10	2100	UD
131-11-3	Dimethyl phthalate	10	2100	UD
84-74-2	Di-n-butyl phthalate	10	2100	UD
117-84-0	Di-n-octyl phthalate	10	2100	UD
206-44-0	Fluoranthene	10	2100	UD
86-73-7	Fluorene	10	2100	UD
118-74-1	Hexachlorobenzene	10	2100	UD
87-68-3	Hexachlorobutadiene	10	2100	UD
77-47-4	Hexachlorocyclopentadiene	10	2100	UD
67-72-1	Hexachloroethane	10	2100	UD
193-39-5	Indeno(1,2,3-cd)pyrene	10	2100	UD
78-59-1	Isophorone	10	2100	UD
91-20-3	Naphthalene	10	2100	UD
98-95-3	Nitrobenzene	10	2100	UD
621-64-7	N-Nitrosodi-n-propylamine	10	2100	UD
86-30-6	N-Nitrosodiphenylamine	10	2100	UD
87-86-5	Pentachlorophenol	10	4200	UD
85-01-8	Phenanthrene	10	2100	UD
108-95-2	Phenol	10	2100	UD
129-00-0	Pyrene	10	2100	UD

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
NOTICS	No TICs found		0.0	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6300	5990	95	39 - 146	D
2-Fluorobiphenyl	4200	3660	87	37 - 120	D
2-Fluorophenol	6300	4470	71	18 - 120	D
Nitrobenzene-d5	4200	3310	79	34 - 132	D
Phenol-d5	6300	5090	81	11 - 120	D
p-Terphenyl-d14	4200	3440	82	58 - 147	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	76389	5.99	97150	5.99	
Acenaphthene-d10	165284	9.59	204736	9.59	
Chrysene-d12	393640	13.58	416640	13.58	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-4-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-04	File ID:	X5333.D
Sampled:	12/06/10 10:40	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 11:32
Solids:	78.21	Preparation:	3550B MB	Initial/Final:	30.42 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8	285566	7.53	352894	7.53	
Perylene-d12	495751	14.8	500422	14.8	
Phenanthrene-d10	281654	11.19	344124	11.19	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5333.D Vial: 5
Acq On : 8 Dec 2010 11:32 Operator: MKP
Sample : RTL0572-04@10X Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:54:21 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	76389	40.00	ng	0.00 78.63%
21) CI40 Naphthalene-d8	7.53	136	285566	40.00	ng	0.00 80.92%
37) CI50 Acenaphthene-d10	9.59	164	165284	40.00	ng	0.00 80.73%
58) CI60 Phenanthrene-d10	11.19	188	281654	40.00	ng	0.00 81.85%
70) CI70 Chrysene-d12	13.58	240	393640	40.00	ng	0.00 94.48%
80) CI75 Perylene-d12	14.80	264	495751	40.00	ng	0.00 99.07%
System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.32	112	31484	10.64	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 7.09%			
6) CS45 Phenol-d5	5.56	99	43206	12.11	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 8.07%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.67	82	22528	7.88	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 7.88%			
41) CS25 2-Fluorobiphenyl	8.81	172	45662	8.71	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 8.71%			
61) CS55 2,4,6-Tribromophenol	10.48	330	10579	14.25	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 9.50%			
73) CS30 Terphenyl-d14	12.67	244	58131	8.19	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 8.19%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.
3) E100 Pyridine	0.00	79	0	N.D.
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.
8) C315 Phenol	0.00	94	0	N.D.
9) C330 2-Chlorophenol	0.00	128	0	N.D.
10) C320 aniline	0.00	93	0	N.D.
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.
15) C345 Benzyl alcohol	0.00	108	0	N.D.
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.
17) C355 2-Methylphenol	0.00	108	0	N.D.
18) C375 Hexachloroethane	0.00	117	0	N.D.
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.
20) C365 4-Methylphenol	0.00	108	0	N.D.
23) C410 Nitrobenzene	0.00	77	0	N.D.
24) C415 Isophorone	0.00	82	0	N.D.
25) C011 Tetraethyl Lead	0.00	237	0	N.D.
26) C430 benzoic acid	0.00	122	0	N.D.
27) C420 2-Nitrophenol	0.00	139	0	N.D.
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.

WR1 AMTS
No TICS

MKB 12/09/10 Dark Sample + heavy loading Do not re-analyze @ lower DF.

Ann 12/13/10

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5333.D Vial: 5
Acq On : 8 Dec 2010 11:32 Operator: MKP
Sample : RTL0572-04@10X Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:54:21 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.		
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.		
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.		
32) C450 Naphthalene	0.00	128	0	N.D.		
33) C455 4-Chloroaniline	0.00	127	0	N.D.		
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.		
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.		
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.		
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.		
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.		
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.		
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.		
43) C530 2-Nitroaniline	0.00	65	0	N.D.		
44) C540 Acenaphthylene	0.00	152	0	N.D.		
45) C535 Dimethylphthalate	0.00	163	0	N.D.		
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.		
47) C550 Acenaphthene	0.00	153	0	N.D.		
48) C545 3-Nitroaniline	0.00	138	0	N.D.		
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.		
50) C565 Dibenzofuran	0.00	168	0	N.D.		
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D.	d	
52) C560 4-Nitrophenol	0.00	109	0	N.D.		
53) C590 Fluorene	0.00	166	0	N.D.		
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.		
55) C580 Diethylphthalate	0.00	149	0	N.D.		
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.		
57) C595 4-Nitroaniline	0.00	138	0	N.D.		
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.		
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.		
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.		
63) C630 Hexachlorobenzene	0.00	284	0	N.D.		
64) C635 Pentachlorophenol	0.00	266	0	N.D.		
65) C640 Phenanthrene	0.00	178	0	N.D.		
66) C645 Anthracene	0.00	178	0	N.D.		
67) C647 carbazole	0.00	167	0	N.D.		
68) C650 Di-n-butylphthalate	0.00	149	0	N.D.		
69) C655 Fluoranthene	12.33	202	2373	N.D.		
71) C715 Pyrene	0.00	202	0	N.D.		
72) C710 benzidine	0.00	184	0	N.D.		
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.		
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.		
76) C730 Benzo[a]anthracene	13.57	228	2462	N.D.		
77) C735 Chrysene	13.57	228	2462	N.D.		
78) C740 bis(2-Ethylhexyl)ph	0.00	149	0	N.D.		
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.		
81) C765 Benzo[b]fluoranthen	14.47	252	2961	N.D.		
82) C770 Benzo[k]fluoranthen	14.47	252	2961	N.D.		
83) C775 Benzo[a]pyrene	14.80	252	2341	N.D.		
84) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.		
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.		
86) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.		

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5333.D Vial: 5
Acq On : 8 Dec 2010 11:32 Operator: MKP
Sample : RTL0572-04@10X Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:54:21 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5333.D
Acq On : 8 Dec 2010 11:32
Sample : RTL0572-04@10X
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:58:01 2010

Vial: 5
Operator: MKP
Inst : HP5973X
Multiplr: 1.00
Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:57:39 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5327.D (8 Dec 2010 9:15)

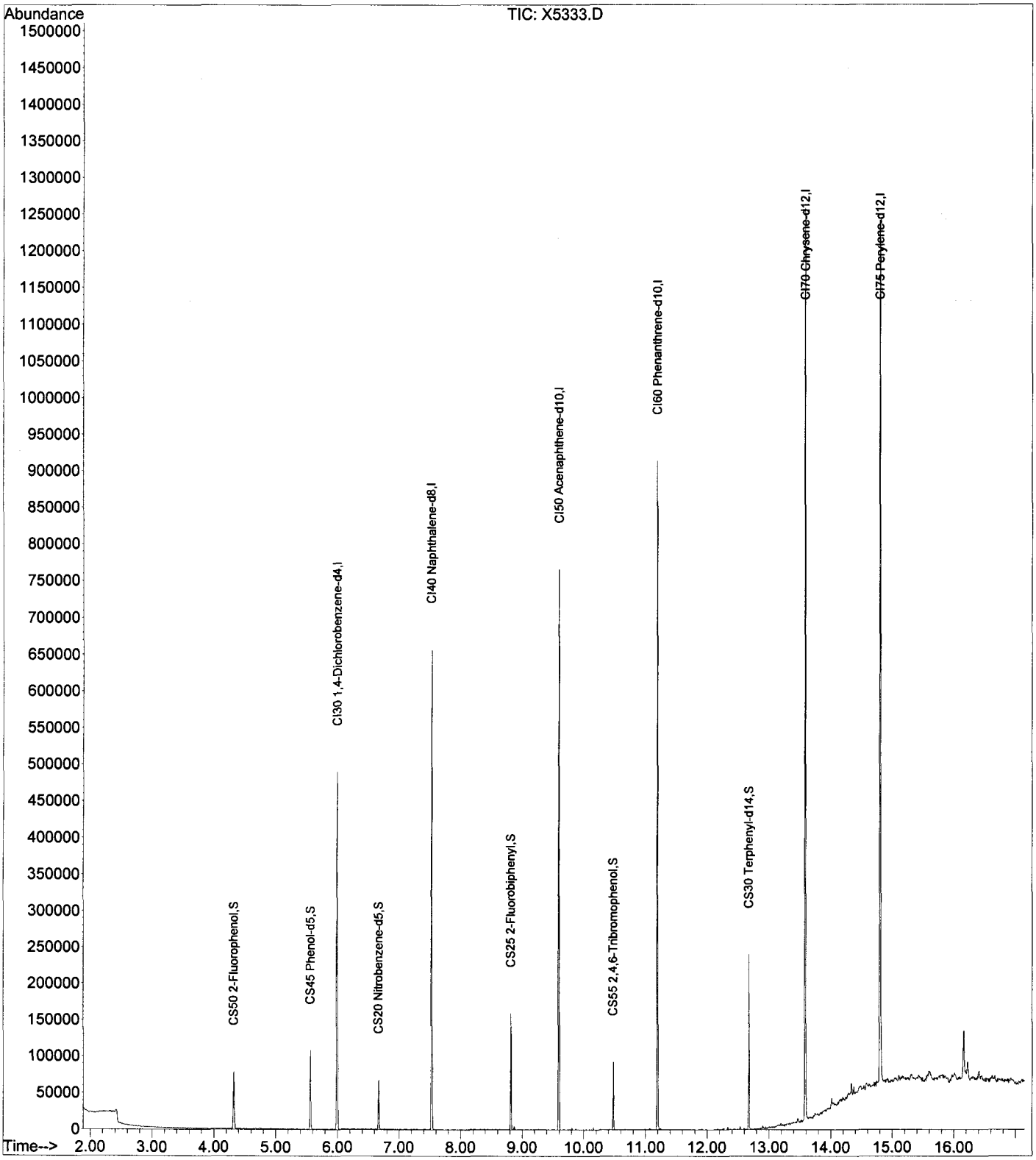
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	76389	40.00	ng	0.00 88.67%
4) CI40 Naphthalene-d8	7.53	136	285566	40.00	ng	0.00 97.77%
7) CI50 Acenaphthene-d8	9.59	164	165284	40.00	ng	0.00 103.50%
10) CI60 Phenanthrene-d10	11.19	188	281654	40.00	ng	0.00 106.10%
12) CI70 Chrysene-d12	13.58	240	393640	40.00	ng	0.00 115.43%
13) CI75 Perylene-d12	14.80	264	495751	40.00	ng	0.00 132.52%
Target Compounds						Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.		
3) E145 Acetophenone	0.00	105	0	N.D.		
5) E655 Caprolactam	0.00	113	0	N.D.		
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.		
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.		
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.		
11) E510 Atrazine	0.00	200	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5333.D Vial: 5
Acq On : 8 Dec 2010 11:32 Operator: MKP
Sample : RTL0572-04@10X Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Dec 09 12:54:21 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120810\X5333.D
Acq On : 8 Dec 2010 11:32
Sample : RTL0572-04@10X
Misc :
MS Integration Params: LSCINT.P

Vial: 55
Operator: MKPP
Inst : HP5973XX
Multiplr: 1.000

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Library : C:\DATABASE\NIST02.L

No Library Search Compounds Detected
****

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

SP-5-2-4

Laboratory: TestAmerica Buffalo | SDG: RTL0572

Client: PARS Environmental, Inc. | Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid | Laboratory ID: RTL0572-05 | File ID: X5313.D

Sampled: 12/06/10 11:50 | Prepared: 12/07/10 10:08 | Analyzed: 12/08/10 02:17

Solids: 59.79 | Preparation: 3550B MB | Initial/Final: 30.3 g / 10 mL

Batch: 10L0497 | Sequence: T005571 | Calibration: R10K083 | Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	2800	U
95-95-4	2,4,5-Trichlorophenol	1	2800	U
88-06-2	2,4,6-Trichlorophenol	1	2800	U
120-83-2	2,4-Dichlorophenol	1	2800	U
105-67-9	2,4-Dimethylphenol	1	2800	U
51-28-5	2,4-Dinitrophenol	1	5500	U
121-14-2	2,4-Dinitrotoluene	1	2800	U
606-20-2	2,6-Dinitrotoluene	1	2800	U
91-58-7	2-Chloronaphthalene	1	2800	U
95-57-8	2-Chlorophenol	1	2800	U
91-57-6	2-Methylnaphthalene	1	2800	U
95-48-7	2-Methylphenol	1	2800	U
88-74-4	2-Nitroaniline	1	5500	U
88-75-5	2-Nitrophenol	1	2800	U
91-94-1	3,3'-Dichlorobenzidine	1	2800	U
99-09-2	3-Nitroaniline	1	5500	U
534-52-1	4,6-Dinitro-2-methylphenol	1	5500	U
101-55-3	4-Bromophenyl phenyl ether	1	2800	U
59-50-7	4-Chloro-3-methylphenol	1	2800	U
106-47-8	4-Chloroaniline	1	2800	U
7005-72-3	4-Chlorophenyl phenyl ether	1	2800	U
106-44-5	4-Methylphenol	1	5500	U
100-01-6	4-Nitroaniline	1	5500	U
100-02-7	4-Nitrophenol	1	5500	U
83-32-9	Acenaphthene	1	2800	U
208-96-8	Acenaphthylene	1	2800	U
98-86-2	Acetophenone	1	2800	U
120-12-7	Anthracene	1	2800	U
1912-24-9	Atrazine	1	2800	U
100-52-7	Benzaldehyde	1	2800	U
56-55-3	Benzo(a)anthracene	1	2800	U
50-32-8	Benzo(a)pyrene	1	2800	U
205-99-2	Benzo(b)fluoranthene	1	2800	U
191-24-2	Benzo(ghi)perylene	1	2800	U
207-08-9	Benzo(k)fluoranthene	1	2800	U
92-52-4	Biphenyl	1	2800	U
111-91-1	Bis(2-chloroethoxy)methane	1	2800	U
111-44-4	Bis(2-chloroethyl)ether	1	2800	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	2800	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-5-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-05	File ID:	X5313.D
Sampled:	12/06/10 11:50	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 02:17
Solids:	59.79	Preparation:	3550B MB	Initial/Final:	30.3 g / 10 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	2800	U
105-60-2	Caprolactam	1	2800	U
86-74-8	Carbazole	1	2800	U
218-01-9	Chrysene	1	2800	U
53-70-3	Dibenzo(a,h)anthracene	1	2800	U
132-64-9	Dibenzofuran	1	2800	U
84-66-2	Diethyl phthalate	1	2800	U
131-11-3	Dimethyl phthalate	1	2800	U
84-74-2	Di-n-butyl phthalate	1	2800	U
117-84-0	Di-n-octyl phthalate	1	2800	U
206-44-0	Fluoranthene	1	2800	U
86-73-7	Fluorene	1	2800	U
118-74-1	Hexachlorobenzene	1	2800	U
87-68-3	Hexachlorobutadiene	1	2800	U
77-47-4	Hexachlorocyclopentadiene	1	2800	U
67-72-1	Hexachloroethane	1	2800	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	2800	U
78-59-1	Isophorone	1	2800	U
91-20-3	Naphthalene	1	2800	U
98-95-3	Nitrobenzene	1	2800	U
621-64-7	N-Nitrosodi-n-propylamine	1	2800	U
86-30-6	N-Nitrosodiphenylamine	1	2800	U
87-86-5	Pentachlorophenol	1	5500	U
85-01-8	Phenanthrene	1	2800	U
108-95-2	Phenol	1	2800	U
129-00-0	Pyrene	1	2800	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
none	Unknown01	14.023	3000	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	8280	7920	96	39 - 146	
2-Fluorobiphenyl	5520	5040	91	37 - 120	
2-Fluorophenol	8280	6130	74	18 - 120	
Nitrobenzene-d5	5520	4260	77	34 - 132	
Phenol-d5	8280	6940	84	11 - 120	
p-Terphenyl-d14	5520	5030	91	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	72451	6	75436	6	
Acenaphthene-d10	155491	9.6	164135	9.6	
Chrysene-d12	353667	13.59	340849	13.6	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-5-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-05	File ID:	X5313.D
Sampled:	12/06/10 11:50	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 02:17
Solids:	59.79	Preparation:	3550B MB	Initial/Final:	30.3 g / 10 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8	269801	7.54	283821	7.54	
Perylene-d12	422808	14.81	402421	14.81	
Phenanthrene-d10	264544	11.2	278314	11.2	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5313.D
Acq On : 8 Dec 2010 2:17
Sample : RTL0572-05
Misc :
MS Integration Params: NA
Quant Time: Dec 09 12:32:51 2010

Vial: 13
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	72451	40.00	ng	0.00 96.04%
21) CI40 Naphthalene-d8	7.54	136	269801	40.00	ng	0.00 95.06%
37) CI50 Acenaphthene-d10	9.60	164	155491	40.00	ng	0.00 94.73%
58) CI60 Phenanthrene-d10	11.20	188	264544	40.00	ng	0.00 95.05%
70) CI70 Chrysene-d12	13.59	240	353667	40.00	ng	0.00 103.76%
80) CI75 Perylene-d12	14.81	264	422808	40.00	ng	0.00 105.07%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.34	112	31172	11.11	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 7.41%			
6) CS45 Phenol-d5	5.57	99	42512	12.57	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 8.38%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.68	82	20860	7.72	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 7.72%			
41) CS25 2-Fluorobiphenyl	8.82	172	45021	9.13	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 9.13%			
61) CS55 2,4,6-Tribromophenol	10.49	330	10003	14.35	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 9.57%			
73) CS30 Terphenyl-d14	12.68	244	58102	9.11	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 9.11%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.
3) E100 Pyridine	0.00	79	0	N.D.
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.
8) C315 Phenol	0.00	94	0	N.D.
9) C330 2-Chlorophenol	0.00	128	0	N.D.
10) C320 aniline	0.00	93	0	N.D.
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.
15) C345 Benzyl alcohol	0.00	108	0	N.D.
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.
17) C355 2-Methylphenol	0.00	108	0	N.D.
18) C375 Hexachloroethane	0.00	117	0	N.D.
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.
20) C365 4-Methylphenol	0.00	108	0	N.D.
23) C410 Nitrobenzene	0.00	77	0	N.D.
24) C415 Isophorone	0.00	82	0	N.D.
25) C011 Tetraethyl Lead	0.00	237	0	N.D.
26) C430 benzoic acid	0.00	122	0	N.D.
27) C420 2-Nitrophenol	0.00	139	0	N.D.
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.

Data File : D:\DATA\120710\X5313.D Vial: 13
Acq On : 8 Dec 2010 2:17 Operator: JLG
Sample : RTL0572-05 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:32:51 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.		
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.		
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.		
32) C450 Naphthalene	0.00	128	0	N.D.		
33) C455 4-Chloroaniline	0.00	127	0	N.D.		
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.		
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.		
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.		
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.		
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.		
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.		
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.		
43) C530 2-Nitroaniline	0.00	65	0	N.D.		
44) C540 Acenaphthylene	0.00	152	0	N.D.		
45) C535 Dimethylphthalate	0.00	163	0	N.D.		
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.		
47) C550 Acenaphthene	0.00	153	0	N.D.		
48) C545 3-Nitroaniline	0.00	138	0	N.D.		
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.		
50) C565 Dibenzofuran	0.00	168	0	N.D.		
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D.	d	
52) C560 4-Nitrophenol	0.00	109	0	N.D.		
53) C590 Fluorene	0.00	166	0	N.D.		
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.		
55) C580 Diethylphthalate	0.00	149	0	N.D.		
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.		
57) C595 4-Nitroaniline	0.00	138	0	N.D.		
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.		
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.		
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.		
63) C630 Hexachlorobenzene	0.00	284	0	N.D.		
64) C635 Pentachlorophenol	0.00	266	0	N.D.		
65) C640 Phenanthrene	0.00	178	0	N.D.		
66) C645 Anthracene	0.00	178	0	N.D.		
67) C647 carbazole	0.00	167	0	N.D.		
68) C650 Di-n-butylphthalate	0.00	149	0	N.D.		
69) C655 Fluoranthene	0.00	202	0	N.D.		
71) C715 Pyrene	0.00	202	0	N.D.		
72) C710 benzidine	0.00	184	0	N.D.		
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.		
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.		
76) C730 Benzo[a]anthracene	13.59	228	2333	N.D.		
77) C735 Chrysene	13.59	228	2333	N.D.		
78) C740 bis(2-Ethylhexyl)ph	0.00	149	0	N.D.		
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.		
81) C765 Benzo[b]fluoranthen	14.48	252	2208	N.D.		
82) C770 Benzo[k]fluoranthen	14.48	252	2208	N.D.		
83) C775 Benzo[a]pyrene	0.00	252	0	N.D.	d	
84) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.		
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.		
86) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.		

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5313.D Vial: 13
Acq On : 8 Dec 2010 2:17 Operator: JLG
Sample : RTL0572-05 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:32:51 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5313.D
Acq On : 8 Dec 2010 2:17
Sample : RTL0572-05
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:39:32 2010

Vial: 13
Operator: JLG
Inst : HP5973X
Multiplr: 1.00
Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:38:24 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	72451	40.00	ng	0.00 82.76%
4) CI40 Naphthalene-d8	7.54	136	269801	40.00	ng	0.00 88.71%
7) CI50 Acenaphthene-d8	9.60	164	155491	40.00	ng	0.00 95.33%
10) CI60 Phenanthrene-d10	11.20	188	264544	40.00	ng	0.00 95.78%
12) CI70 Chrysene-d12	13.59	240	353667	40.00	ng	0.00 104.11%
13) CI75 Perylene-d12	14.81	264	422808	40.00	ng	0.00 114.53%

Target Compounds					Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	
3) E145 Acetophenone	0.00	105	0	N.D.	
5) E655 Caprolactam	0.00	113	0	N.D.	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.	
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.	
11) E510 Atrazine	0.00	200	0	N.D.	

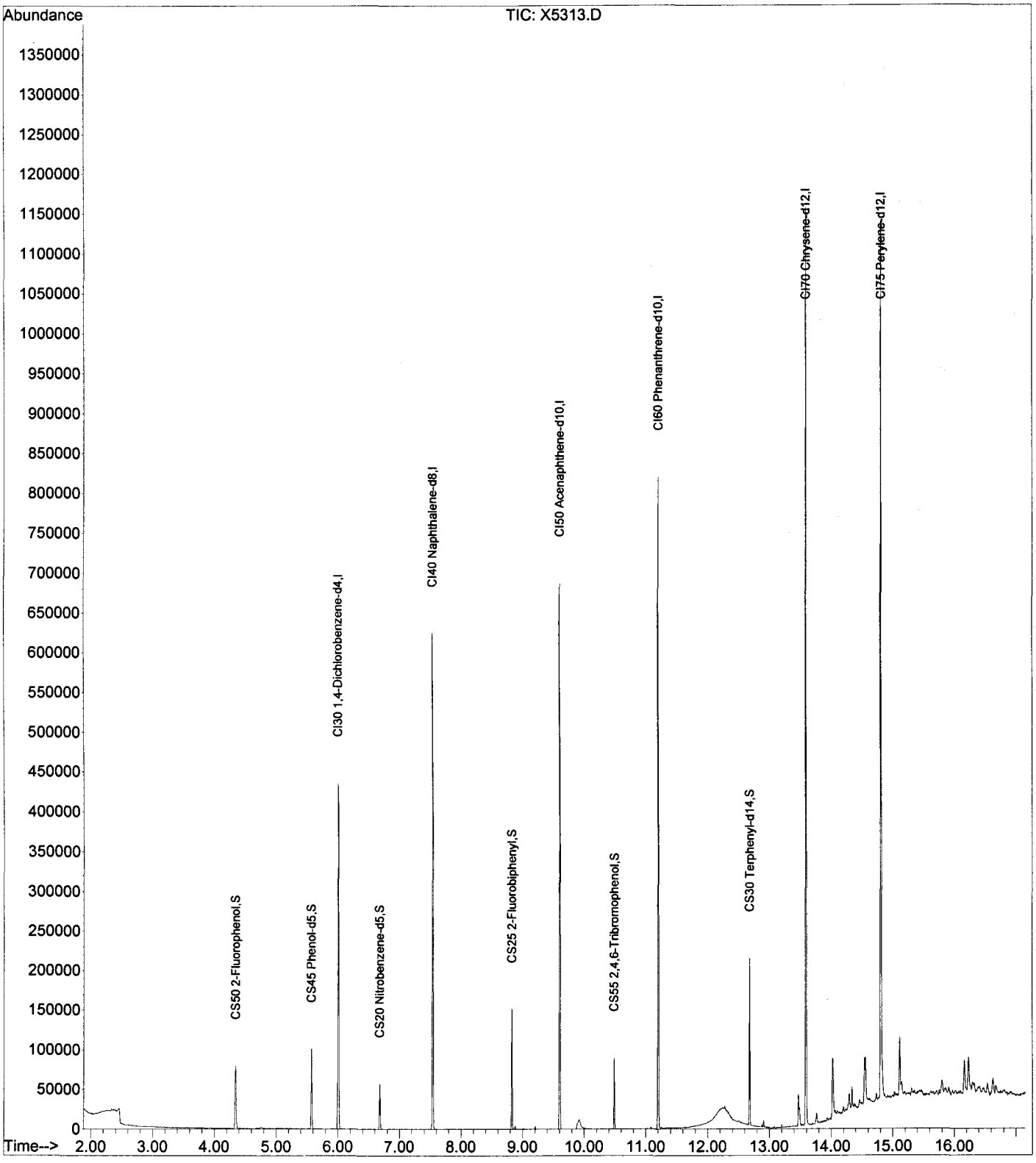
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5313.D
Acq On : 8 Dec 2010 2:17
Sample : RTL0572-05
Misc :
MS Integration Params: NA

Vial: 13
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 09 12:32:51 2010 Results File: 8270_R10K083.RES
Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Library Search Compound Report

Data File : D:\DATA\120710\X5313.D
Acq On : 8 Dec 2010 2:17
Sample : RTL0572-05
Misc :
MS Integration Params: LSCINT.P

Vial: 13
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC

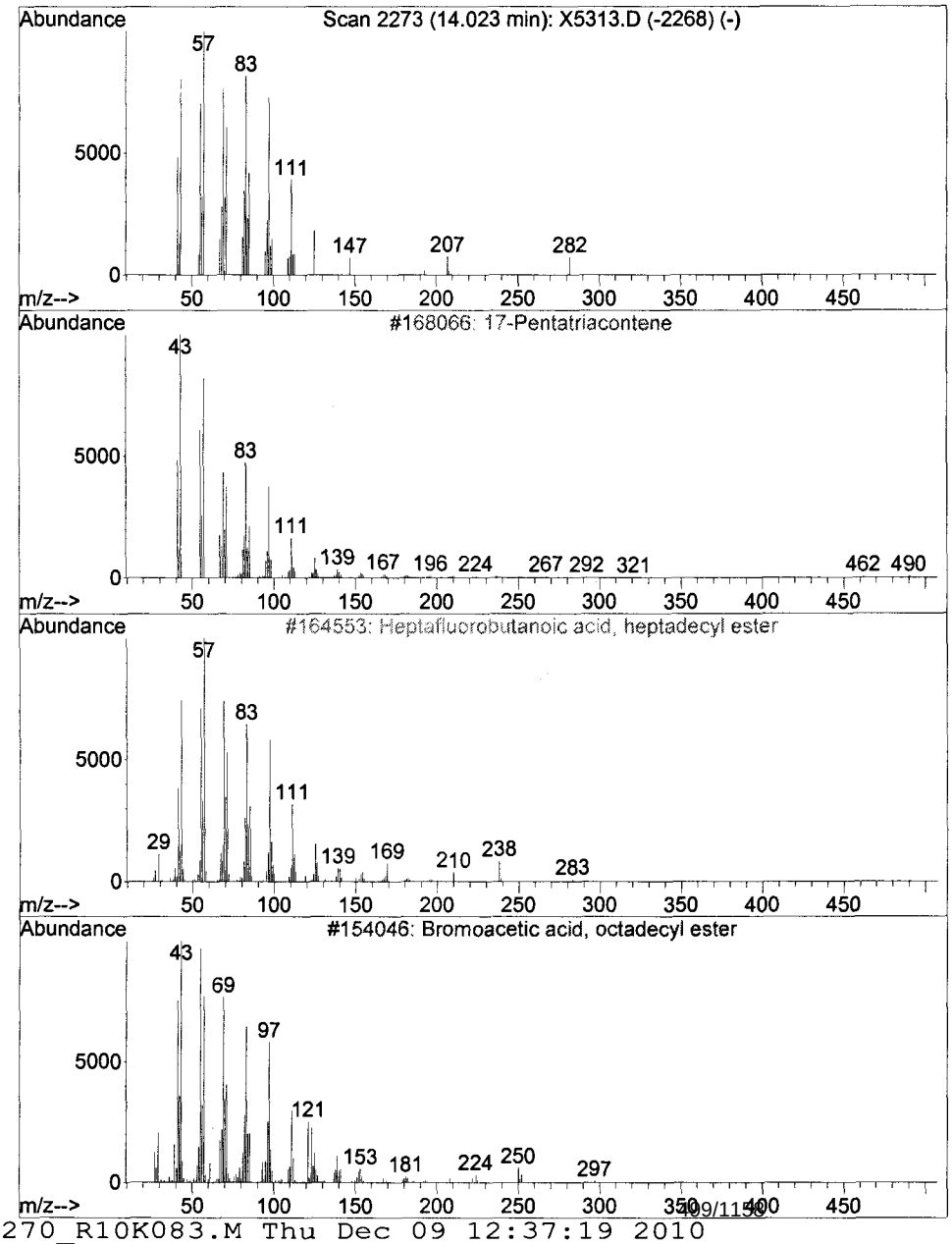
Library : C:\DATABASE\NIST02.L

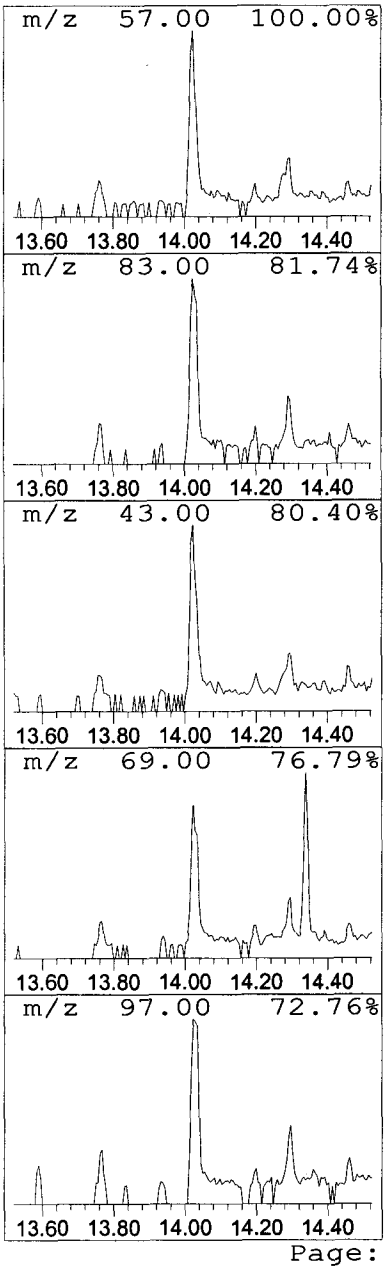
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Peak Number 1 17-Pentatriacontene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
14.02	5.37 ng	118883	CI70 Chrysene-d12	885812	13.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	91
2	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	91
3	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	80
4	Trichloroacetic acid, tridecyl e...	344	C15H27Cl3O2	074339-51-8	80
5	1-Hentetracontanol	593	C41H84O	040710-42-7	76





Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120710\X5313.D
Acq On : 8 Dec 2010 2:17
Sample : RTL0572-05
Misc :
MS Integration Params: LSCINT.P

Vial: 13
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
17-Pentatriacontene	14.02	5.4	ng	118883	5	13.59	885812	40.0

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-6-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-06	File ID:	X5334.D
Sampled:	12/06/10 12:20	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 11:55
Solids:	72.48	Preparation:	3550B MB	Initial/Final:	30.33 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	230	U
95-95-4	2,4,5-Trichlorophenol	1	230	U
88-06-2	2,4,6-Trichlorophenol	1	230	U
120-83-2	2,4-Dichlorophenol	1	230	U
105-67-9	2,4-Dimethylphenol	1	230	U
51-28-5	2,4-Dinitrophenol	1	450	U
121-14-2	2,4-Dinitrotoluene	1	230	U
606-20-2	2,6-Dinitrotoluene	1	230	U
91-58-7	2-Chloronaphthalene	1	230	U
95-57-8	2-Chlorophenol	1	230	U
91-57-6	2-Methylnaphthalene	1	230	U
95-48-7	2-Methylphenol	1	230	U
88-74-4	2-Nitroaniline	1	450	U
88-75-5	2-Nitrophenol	1	230	U
91-94-1	3,3'-Dichlorobenzidine	1	230	U
99-09-2	3-Nitroaniline	1	450	U
534-52-1	4,6-Dinitro-2-methylphenol	1	450	U
101-55-3	4-Bromophenyl phenyl ether	1	230	U
59-50-7	4-Chloro-3-methylphenol	1	230	U
106-47-8	4-Chloroaniline	1	230	U
7005-72-3	4-Chlorophenyl phenyl ether	1	230	U
106-44-5	4-Methylphenol	1	450	U
100-01-6	4-Nitroaniline	1	450	U
100-02-7	4-Nitrophenol	1	450	U
83-32-9	Acenaphthene	1	230	U
208-96-8	Acenaphthylene	1	230	U
98-86-2	Acetophenone	1	230	U
120-12-7	Anthracene	1	22	J
1912-24-9	Atrazine	1	230	U
100-52-7	Benzaldehyde	1	230	U
56-55-3	Benzo(a)anthracene	1	89	J
50-32-8	Benzo(a)pyrene	1	85	J
205-99-2	Benzo(b)fluoranthene	1	120	J
191-24-2	Benzo(ghi)perylene	1	50	J
207-08-9	Benzo(k)fluoranthene	1	37	J
92-52-4	Biphenyl	1	230	U
111-91-1	Bis(2-chloroethoxy)methane	1	230	U
111-44-4	Bis(2-chloroethyl)ether	1	230	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	230	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-6-2-4

Laboratory: TestAmerica Buffalo SDG: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid Laboratory ID: RTL0572-06 File ID: X5334.D

Sampled: 12/06/10 12:20 Prepared: 12/07/10 10:08 Analyzed: 12/08/10 11:55

Solids: 72.48 Preparation: 3550B MB Initial/Final: 30.33 g / 1 mL

Batch: 10L0497 Sequence: T005575 Calibration: R10K083 Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	230	U
105-60-2	Caprolactam	1	230	U
86-74-8	Carbazole	1	230	U
218-01-9	Chrysene	1	78	J
53-70-3	Dibenzo(a,h)anthracene	1	230	U
132-64-9	Dibenzofuran	1	230	U
84-66-2	Diethyl phthalate	1	230	U
131-11-3	Dimethyl phthalate	1	230	U
84-74-2	Di-n-butyl phthalate	1	230	U
117-84-0	Di-n-octyl phthalate	1	230	U
206-44-0	Fluoranthene	1	190	J
86-73-7	Fluorene	1	230	U
118-74-1	Hexachlorobenzene	1	230	U
87-68-3	Hexachlorobutadiene	1	230	U
77-47-4	Hexachlorocyclopentadiene	1	230	U
67-72-1	Hexachloroethane	1	230	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	40	J
78-59-1	Isophorone	1	230	U
91-20-3	Naphthalene	1	230	U
98-95-3	Nitrobenzene	1	230	U
621-64-7	N-Nitrosodi-n-propylamine	1	230	U
86-30-6	N-Nitrosodiphenylamine	1	230	U
87-86-5	Pentachlorophenol	1	450	U
85-01-8	Phenanthrene	1	66	J
108-95-2	Phenol	1	230	U
129-00-0	Pyrene	1	130	J

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
1000130-97-9	E-15-Heptadecenal	14.552	740	
013798-23-7	Sulfur -1	9.93	410	
none	Unknown01	12.265	210	
none	Unknown02	13.462	1400	
none	Unknown03	13.756	240	
none	Unknown04	14.017	2300	
none	Unknown05	14.284	230	
none	Unknown06	15.898	480	
none	Unknown07	15.962	220	
none	Unknown08	16.154	640	
none	Unknown09	16.218	480	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6820	8140	119	39 - 146	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-6-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-06	File ID:	X5334.D
Sampled:	12/06/10 12:20	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 11:55
Solids:	72.48	Preparation:	3550B MB	Initial/Final:	30.33 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	4550	3920	86	37 - 120	
2-Fluorophenol	6820	4720	69	18 - 120	
Nitrobenzene-d5	4550	3760	83	34 - 132	
Phenol-d5	6820	5540	81	11 - 120	
p-Terphenyl-d14	4550	3830	84	58 - 147	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	72700	5.99	97150	5.99	
Acenaphthene-d10	158896	9.59	204736	9.59	
Chrysene-d12	381830	13.58	416640	13.58	
Naphthalene-d8	273831	7.53	352894	7.53	
Perylene-d12	472810	14.8	500422	14.8	
Phenanthrene-d10	271546	11.19	344124	11.19	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5334.D Vial: 6
Acq On : 8 Dec 2010 11:55 Operator: MKP
Sample : RTL0572-06 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:54:54 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	72700	40.00	ng	0.00 74.83%
21) CI40 Naphthalene-d8	7.53	136	273831	40.00	ng	0.00 77.60%
37) CI50 Acenaphthene-d10	9.59	164	158896	40.00	ng	0.00 77.61%
58) CI60 Phenanthrene-d10	11.19	188	271546	40.00	ng	0.00 78.91%
70) CI70 Chrysene-d12	13.58	240	381830	40.00	ng	0.00 91.65%
80) CI75 Perylene-d12	14.80	264	472810	40.00	ng	0.00 94.48%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.32	112	292002	103.70	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 69.13%			
6) CS45 Phenol-d5	5.56	99	413368	121.77	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 81.18%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.67	82	226372	82.56	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 82.56%			
41) CS25 2-Fluorobiphenyl	8.81	172	434320	86.19	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 86.19%			
61) CS55 2,4,6-Tribromophenol	10.48	330	128112	179.00	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 119.33%			
73) CS30 Terphenyl-d14	12.68	244	579175	84.15	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 84.15%			

Target Compounds					Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.	
3) E100 Pyridine	0.00	79	0	N.D.	
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.	
8) C315 Phenol	0.00	94	0	N.D.	
9) C330 2-Chlorophenol	0.00	128	0	N.D.	
10) C320 aniline	0.00	93	0	N.D.	
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.	
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.	
15) C345 Benzyl alcohol	0.00	108	0	N.D.	
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.	
17) C355 2-Methylphenol	0.00	108	0	N.D.	
18) C375 Hexachloroethane	0.00	117	0	N.D.	
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.	
20) C365 4-Methylphenol	0.00	108	0	N.D.	
23) C410 Nitrobenzene	0.00	77	0	N.D.	
24) C415 Isophorone	0.00	82	0	N.D.	
25) C011 Tetraethyl Lead	0.00	237	0	N.D.	
26) C430 benzoic acid	0.00	122	0	N.D.	
27) C420 2-Nitrophenol	0.00	139	0	N.D.	
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.	

Data File : D:\DATA\120810\X5334.D Vial: 6
Acq On : 8 Dec 2010 11:55 Operator: MKP
Sample : RTL0572-06 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:54:54 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.	
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.	
32) C450 Naphthalene	0.00	128	0	N.D.	
33) C455 4-Chloroaniline	0.00	127	0	N.D.	
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.	
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.	
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.	
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.	
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.	
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.	
42) C525 2-Chloronaphthalene	0.00	162	0	N.D. d	
43) C530 2-Nitroaniline	0.00	65	0	N.D.	
44) C540 Acenaphthylene	0.00	152	0	N.D.	
45) C535 Dimethylphthalate	0.00	163	0	N.D.	
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.	
47) C550 Acenaphthene	0.00	153	0	N.D.	
48) C545 3-Nitroaniline	0.00	138	0	N.D.	
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
50) C565 Dibenzofuran	0.00	168	0	N.D.	
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
52) C560 4-Nitrophenol	0.00	109	0	N.D.	
53) C590 Fluorene	0.00	166	0	N.D.	
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.	
55) C580 Diethylphthalate	0.00	149	0	N.D.	
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.	
57) C595 4-Nitroaniline	0.00	138	0	N.D.	
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.	
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.	
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.	
63) C630 Hexachlorobenzene	0.00	284	0	N.D.	
64) C635 Pentachlorophenol	0.00	266	0	N.D.	
65) C640 Phenanthrene	11.21	178	10315	1.46 ng	93
66) C645 Anthracene	11.26	178	3351	0.48 ng	96
67) C647 carbazole	0.00	167	0	N.D.	
68) C650 Di-n-butylphthalate	0.00	149	0	N.D. d	
69) C655 Fluoranthene	12.33	202	33793	4.12 ng	91
71) C715 Pyrene	12.53	202	27394	2.93 ng	94
72) C710 benzidine	0.00	184	0	N.D.	
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.	
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.	
76) C730 Benzo[a]anthracene	13.57	228	18400	1.96 ng	93
77) C735 Chrysene	13.61	228	17024	1.71 ng	96
78) C740 bis(2-Ethylhexyl)ph	13.58	149	5255	N.D.	
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.	
81) C765 Benzo[b]fluoranthene	14.47	252	30173m	2.55 ng	95
82) C770 Benzo[k]fluoranthene	14.49	252	9810m	0.82 ng	95
83) C775 Benzo[a]pyrene	14.74	252	18759	1.86 ng	93
84) C780 Indeno[1,2,3-cd]pyren	15.80	276	11678	0.88 ng	97
85) C785 Dibenz[a,h]anthrace	15.81	278	3616	N.D.	
86) C790 Benzo[g,h,i]perylene	16.09	276	12505	1.10 ng	92

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5334.D Vial: 6
Acq On : 8 Dec 2010 11:55 Operator: MKP
Sample : RTL0572-06 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:54:54 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5334.D Vial: 6
Acq On : 8 Dec 2010 11:55 Operator: MKP
Sample : RTL0572-06 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:58:01 2010 Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:57:39 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5327.D (8 Dec 2010 9:15)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	72700	40.00	ng	0.00 84.39%
4) CI40 Naphthalene-d8	7.53	136	273831	40.00	ng	0.00 93.75%
7) CI50 Acenaphthene-d8	9.59	164	158896	40.00	ng	0.00 99.50%
10) CI60 Phenanthrene-d10	11.19	188	271546	40.00	ng	0.00 102.29%
12) CI70 Chrysene-d12	13.58	240	381830	40.00	ng	0.00 111.97%
13) CI75 Perylene-d12	14.80	264	472810	40.00	ng	0.00 126.39%

Target Compounds					Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	
3) E145 Acetophenone	0.00	105	0	N.D.	
5) E655 Caprolactam	0.00	113	0	N.D.	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.	
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.	
11) E510 Atrazine	0.00	200	0	N.D.	

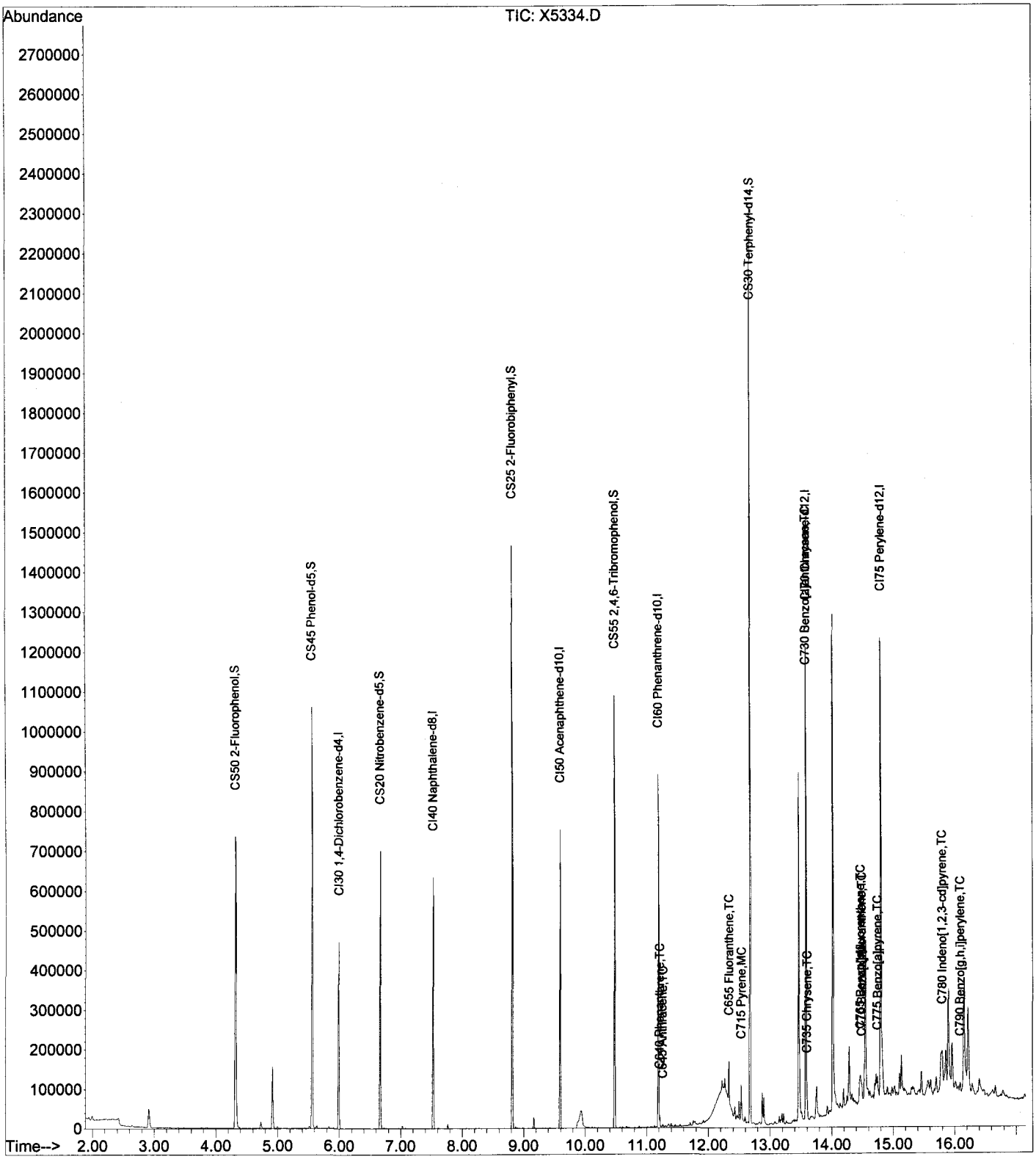
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: rteint.p

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 09 12:54:54 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

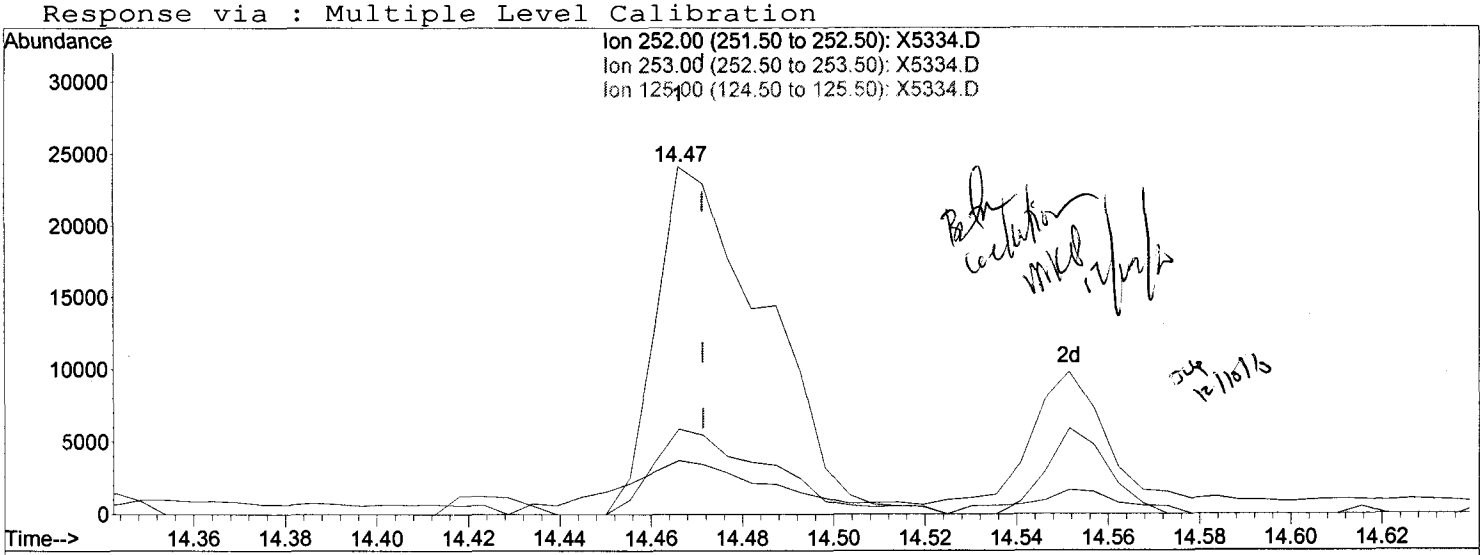


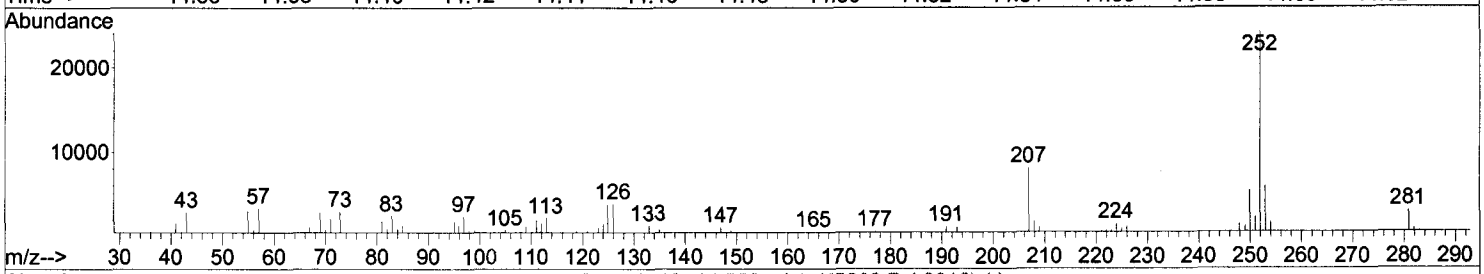
Quantitation Report (Qedit)

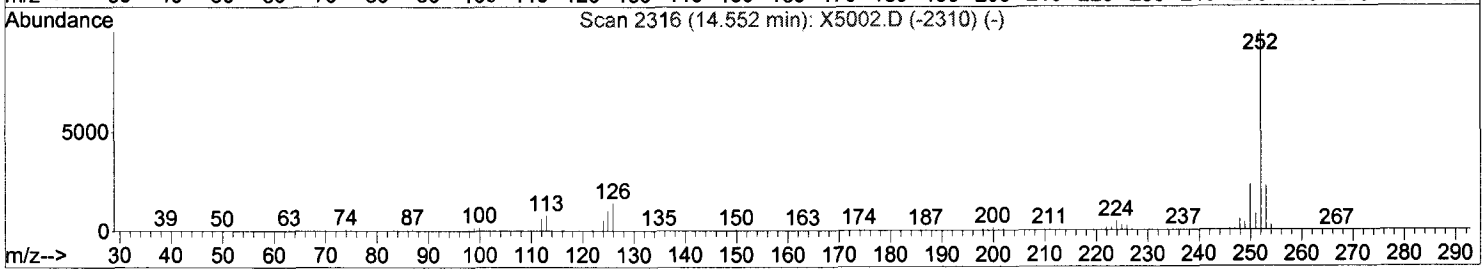
Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:52:10 2010

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Multiple Level Calibration







TIC: X5334.D

(81) C765 Benzo[b]fluoranthene (TC)

14.47min (-0.005) 3.38ng

response 39979

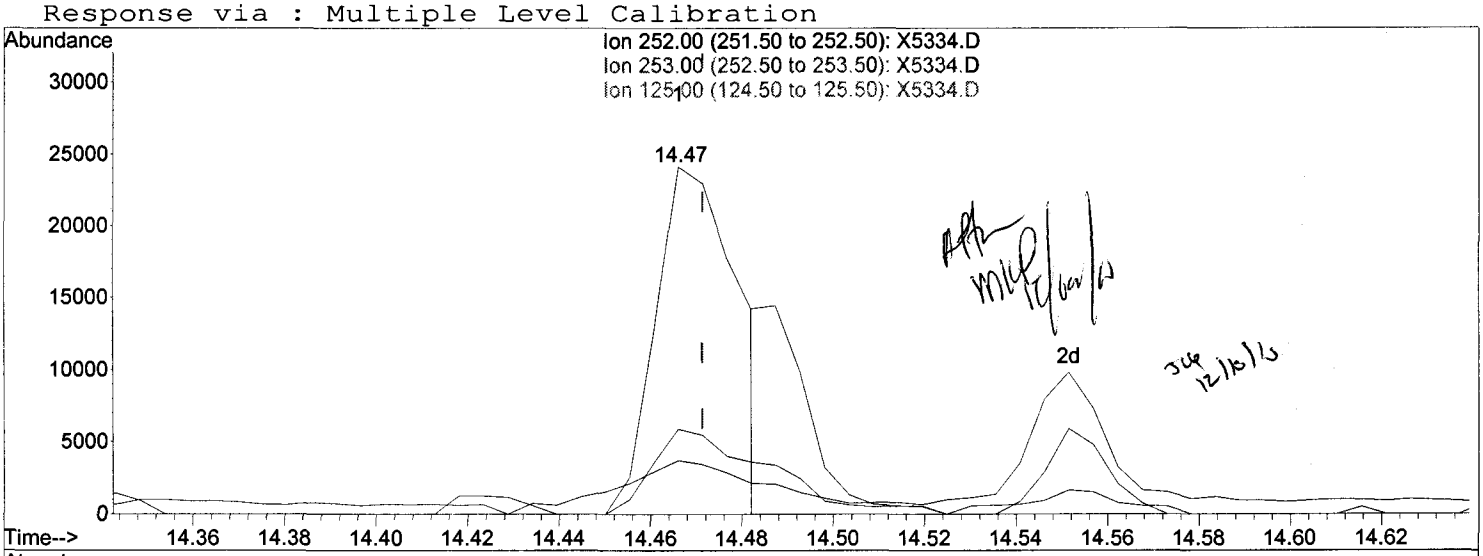
Ion	Exp%	Act%
252.00	100	100
253.00	21.10	24.38
125.00	11.00	10.71
0.00	0.00	0.00

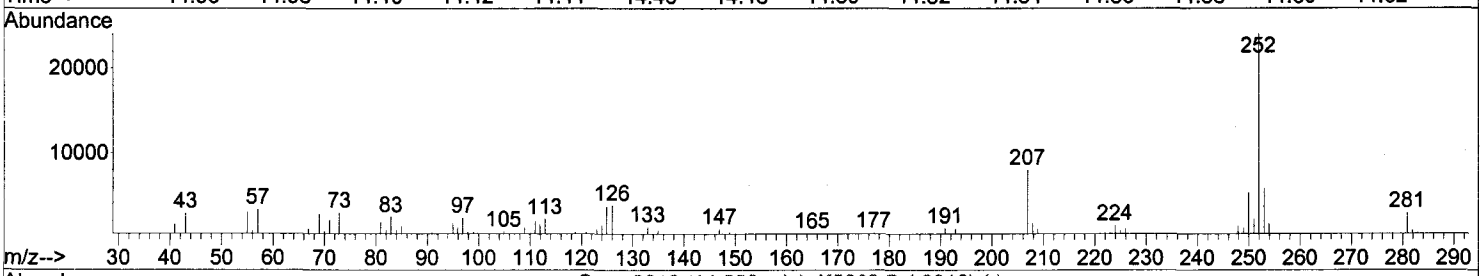
Quantitation Report (Qedit)

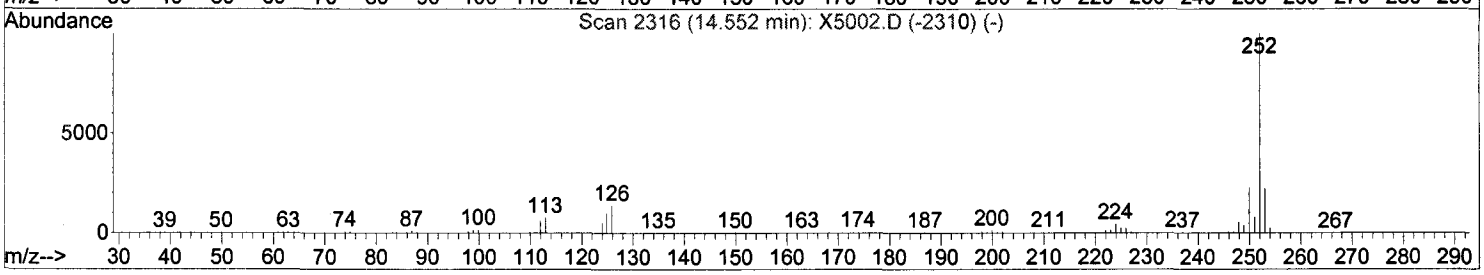
Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:52:10 2010

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Multiple Level Calibration







TIC: X5334.D

(81) C765 Benzo[b]fluoranthene (TC)

14.47min (-0.005) 2.55ng m

response 30173

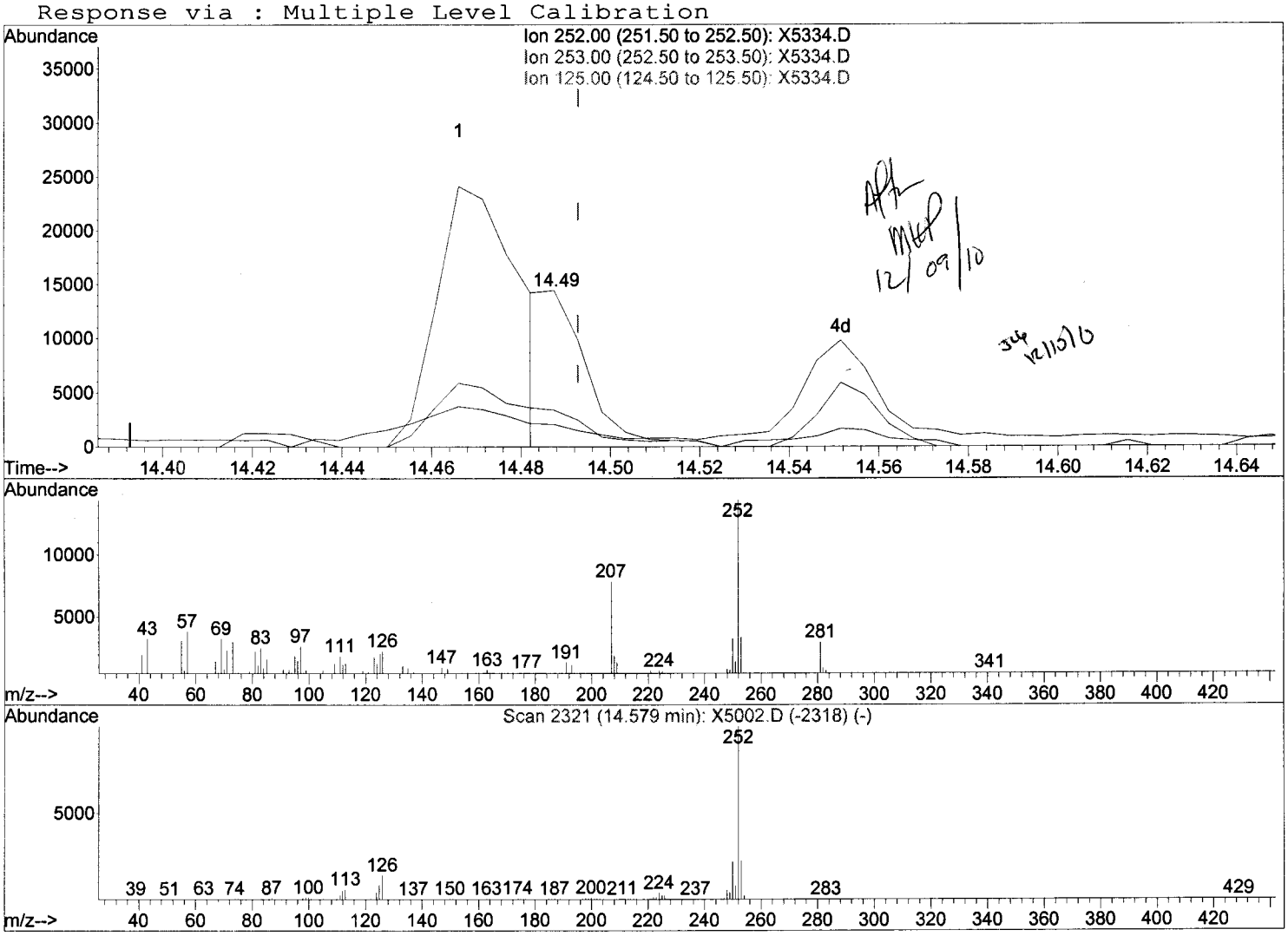
Ion	Exp%	Act%
252.00	100	100
253.00	21.10	24.38
125.00	11.00	15.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:52:10 2010

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Multiple Level Calibration



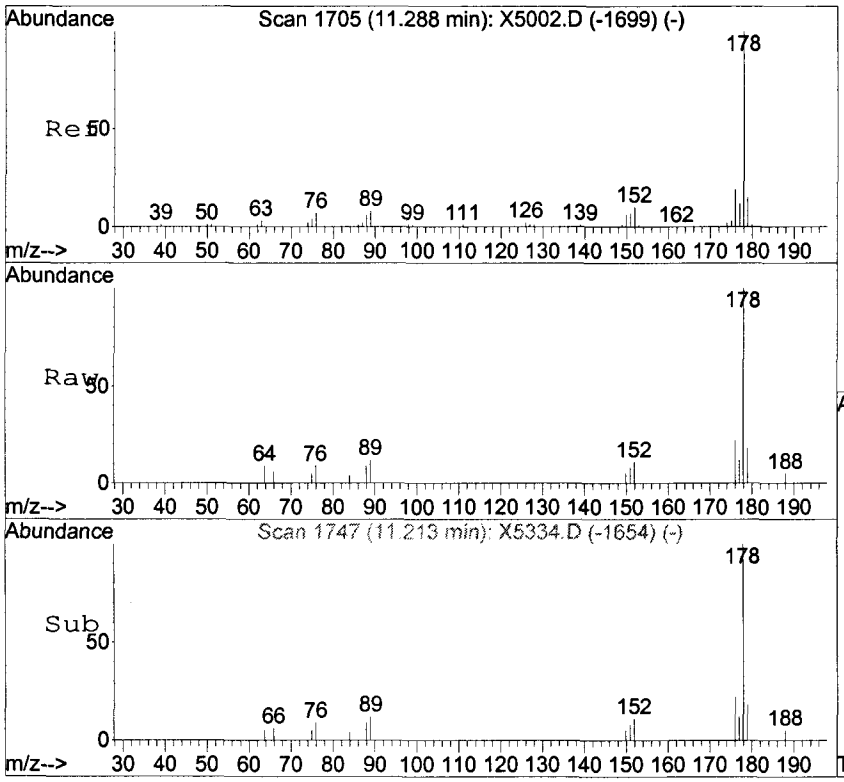
TIC: X5334.D

(82) C770 Benzo[k]fluoranthene (TC)

14.49min (-0.005) 0.82ng m

response 9810

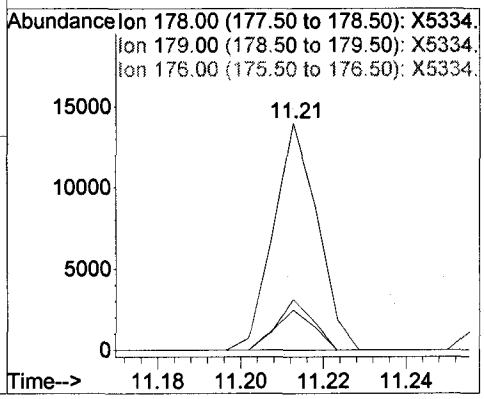
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	23.47
125.00	11.50	14.36
0.00	0.00	0.00

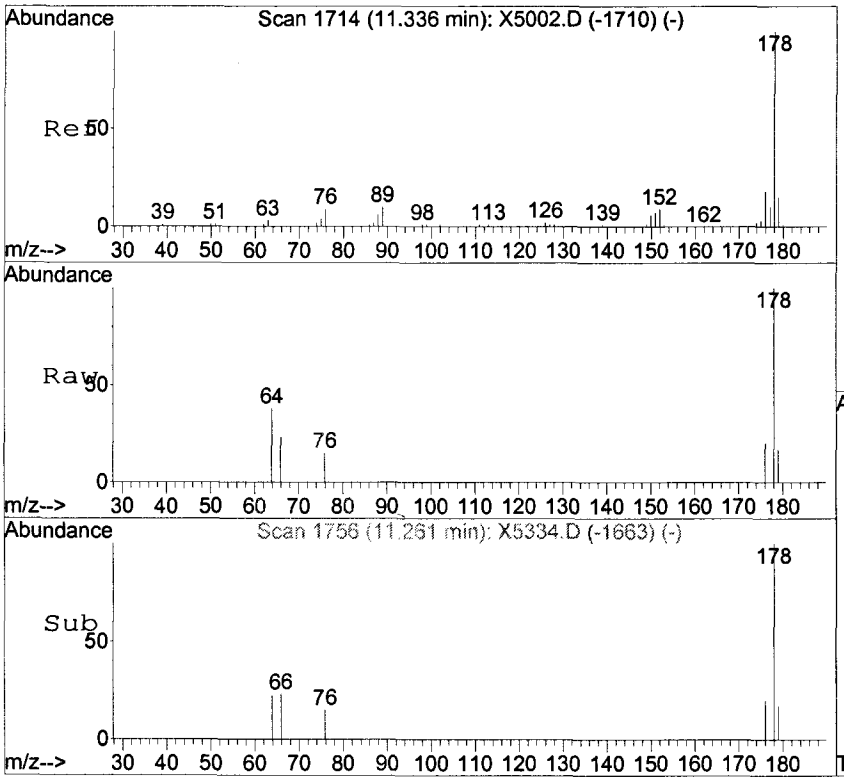


#65
C640 Phenanthrene
Concen: 1.46 ng
RT: 11.21 min Scan# 1747
Delta R.T. -0.01 min
Lab File: X5334.D
Acq: 8 Dec 2010 11:55

Tgt Ion:178 Resp: 10315

Ion	Ratio	Lower	Upper
178	100		
179	17.6	0.0	35.2
176	22.2	0.0	38.7

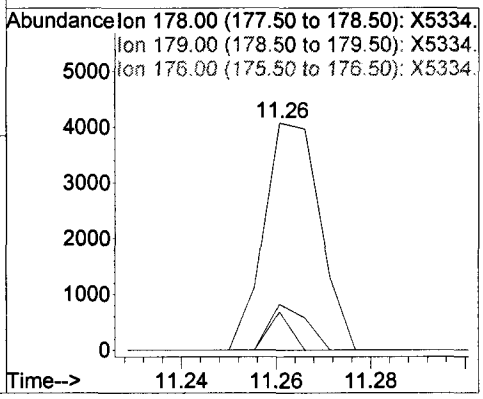


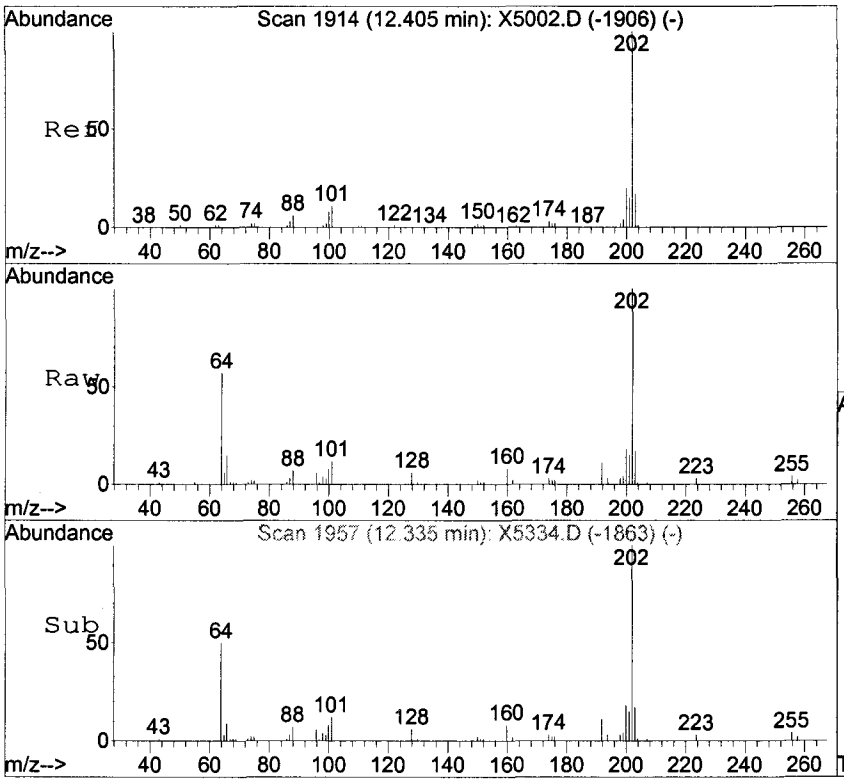


#66
C645 Anthracene
Concen: 0.48 ng
RT: 11.26 min Scan# 1756
Delta R.T. -0.01 min
Lab File: X5334.D
Acq: 8 Dec 2010 11:55

Tgt Ion:178 Resp: 3351

Ion	Ratio	Lower	Upper
178	100		
179	16.8	0.0	35.2
176	20.1	0.0	38.0

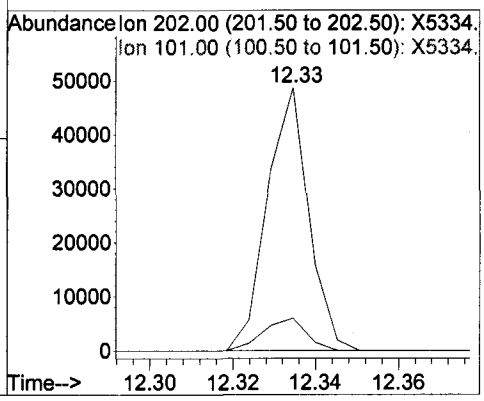


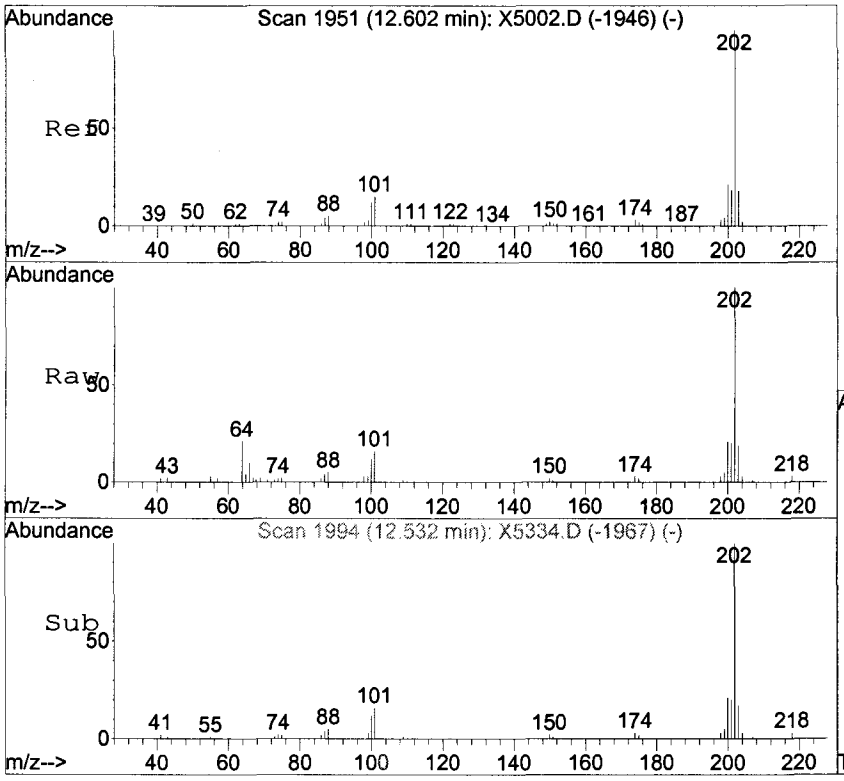


#69
C655 Fluoranthene
Concen: 4.12 ng
RT: 12.33 min Scan# 1957
Delta R.T. -0.00 min
Lab File: X5334.D
Acq: 8 Dec 2010 11:55

Tgt Ion:202 Resp: 33793

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	35.8

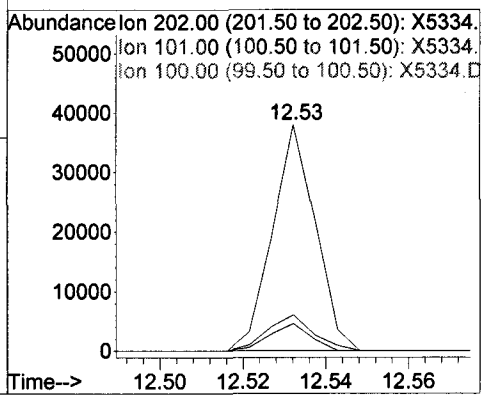


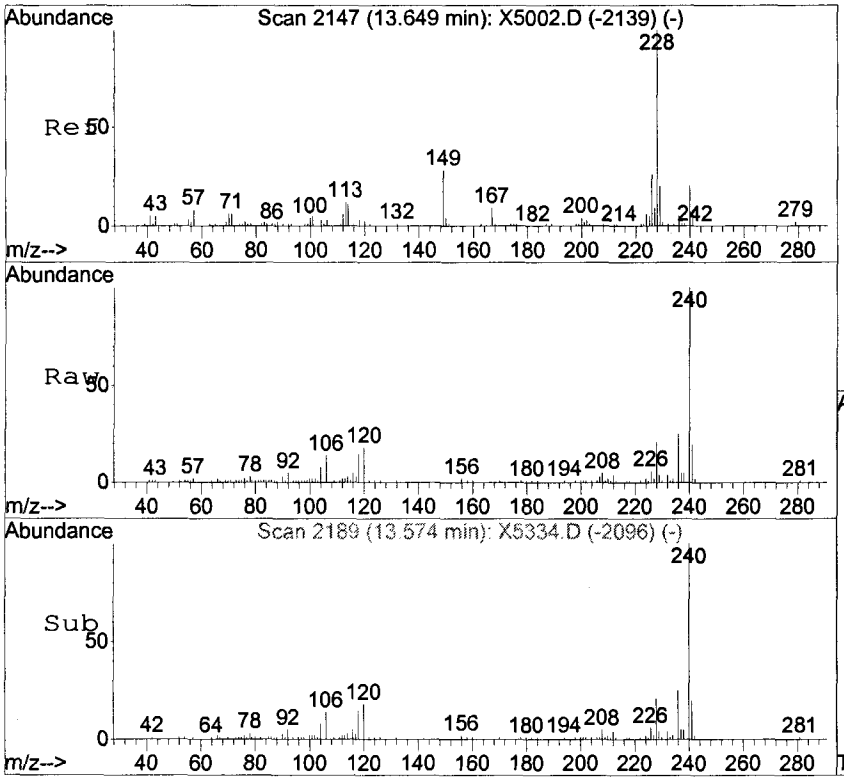


#71
C715 Pyrene
Concen: 2.93 ng
RT: 12.53 min Scan# 1994
Delta R.T. -0.01 min
Lab File: X5334.D
Acq: 8 Dec 2010 11:55

Tgt Ion:202 Resp: 27394

Ion	Ratio	Lower	Upper
202	100		
101	16.0	0.0	39.0
100	12.0	0.0	34.4

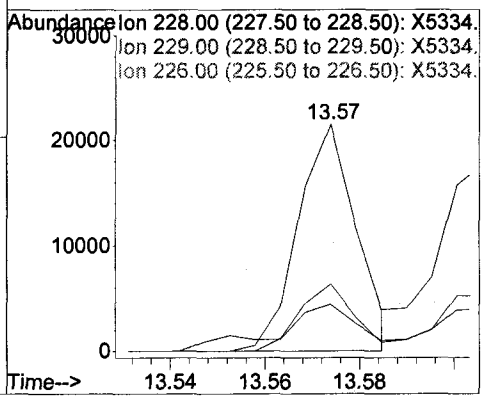


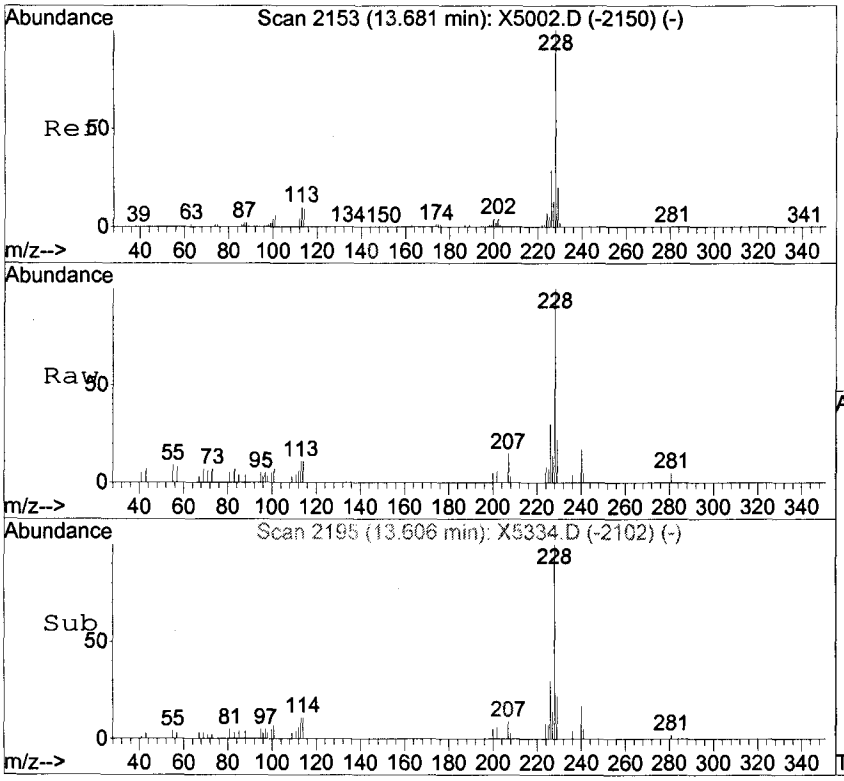


#76
C730 Benzo[a]anthracene
Concen: 1.96 ng
RT: 13.57 min Scan# 2189
Delta R.T. -0.00 min
Lab File: X5334.D
Acq: 8 Dec 2010 11:55

Tgt Ion:228 Resp: 18400

Ion	Ratio	Lower	Upper
228	100		
229	16.5	0.0	39.2
226	29.5	5.5	45.5

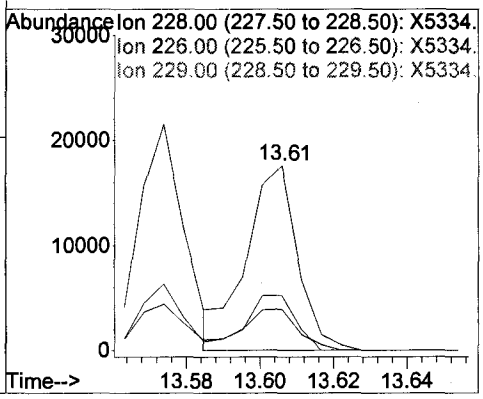


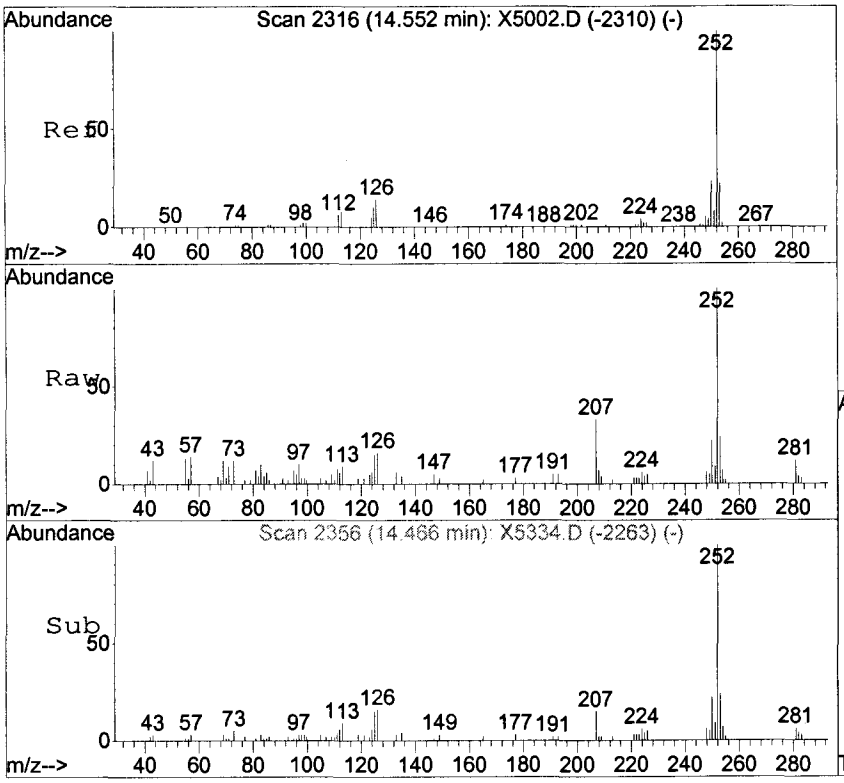


#77
C735 Chrysene
Concen: 1.71 ng
RT: 13.61 min Scan# 2195
Delta R.T. -0.01 min
Lab File: X5334.D
Acq: 8 Dec 2010 11:55

Tgt Ion:228 Resp: 17024

Ion	Ratio	Lower	Upper
228	100		
226	29.7	8.5	48.5
229	22.3	0.0	39.5

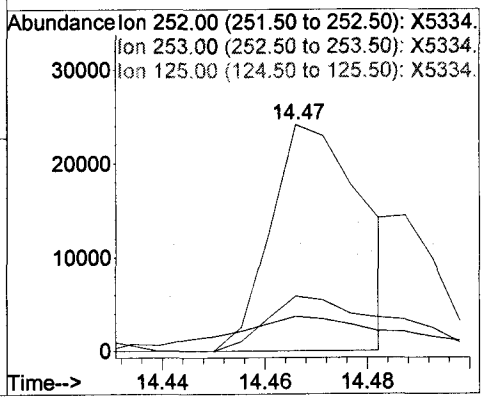


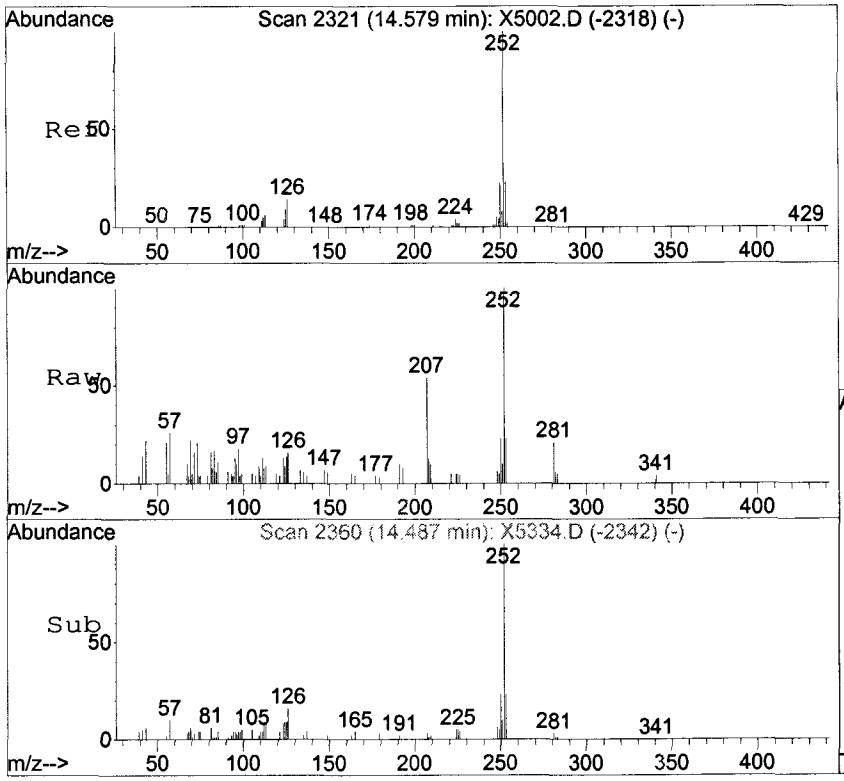


#81
C765 Benzo[b]fluoranthene
Concen: 2.55 ng m
RT: 14.47 min Scan# 2356
Delta R.T. -0.01 min
Lab File: X5334.D
Acq: 8 Dec 2010 11:55

Tgt Ion:252 Resp: 30173

Ion	Ratio	Lower	Upper
252	100		
253	24.4	1.1	41.1
125	15.4	0.0	31.0

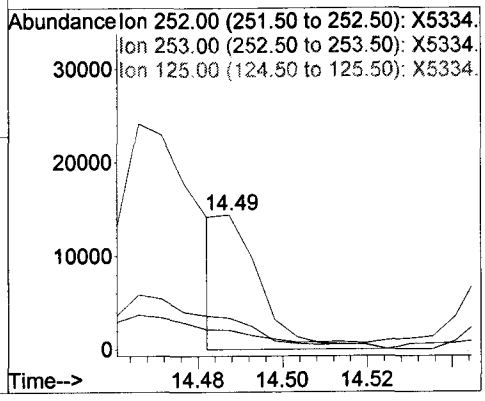


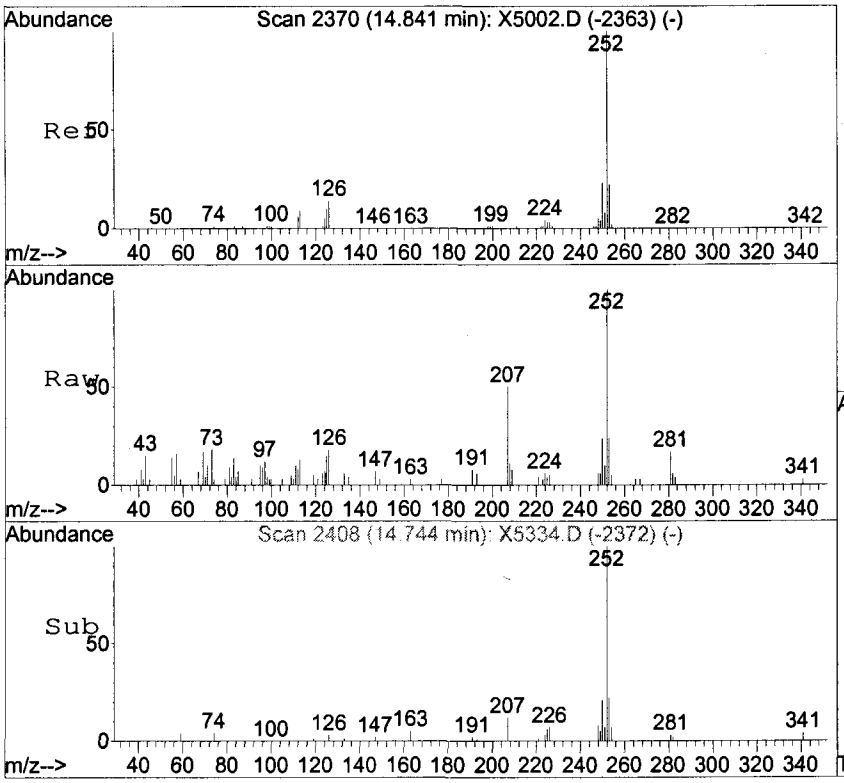


#82
C770 Benzo[k]fluoranthene
Concen: 0.82 ng m
RT: 14.49 min Scan# 2360
Delta R.T. -0.01 min
Lab File: X5334.D
Acq: 8 Dec 2010 11:55

Tgt Ion:252 Resp: 9810

Ion	Ratio	Lower	Upper
252	100		
253	23.5	1.5	41.5
125	14.4	0.0	31.5

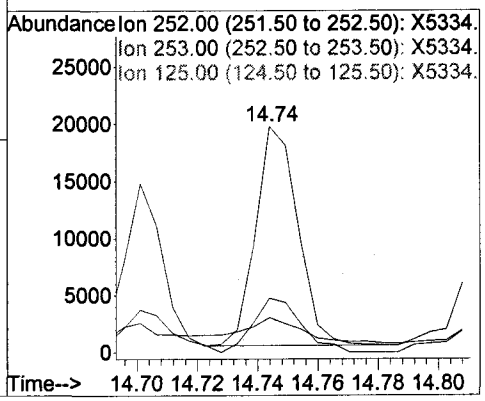


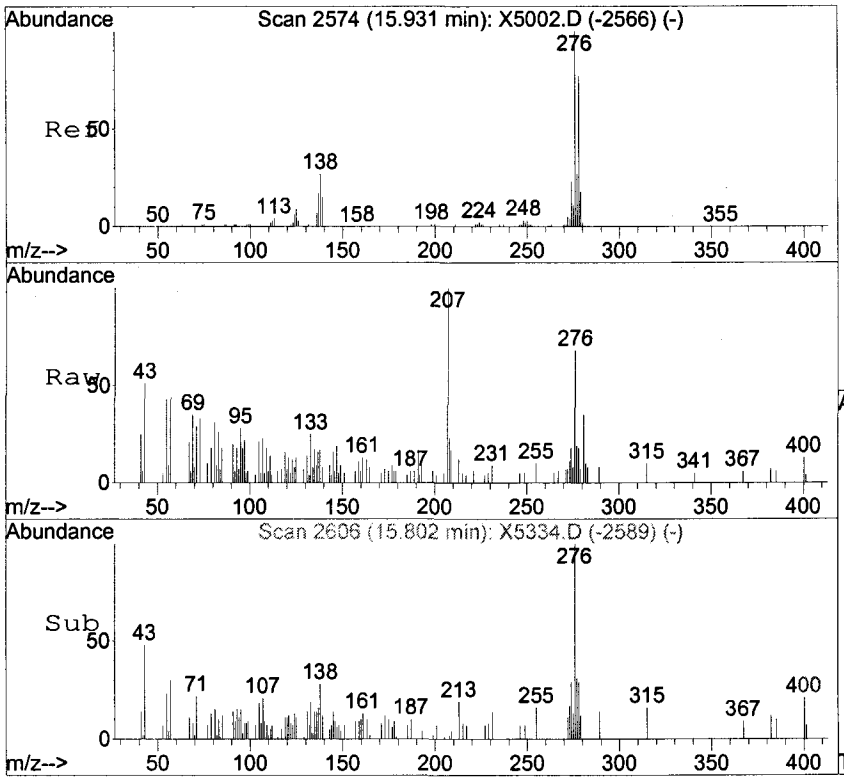


#83
C775 Benzo[a]pyrene
Concen: 1.86 ng
RT: 14.74 min Scan# 2408
Delta R.T. -0.01 min
Lab File: X5334.D
Acq: 8 Dec 2010 11:55

Tgt Ion:252 Resp: 18759

Ion	Ratio	Lower	Upper
252	100		
253	24.8	1.4	41.4
125	11.7	0.0	29.7

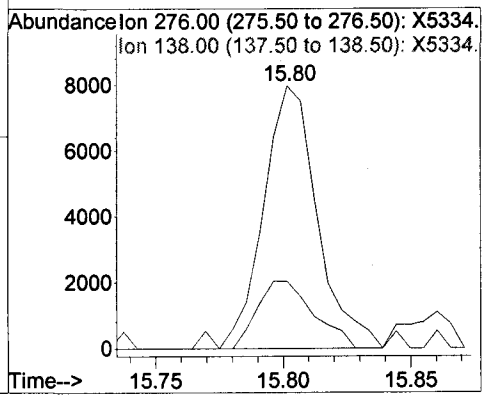


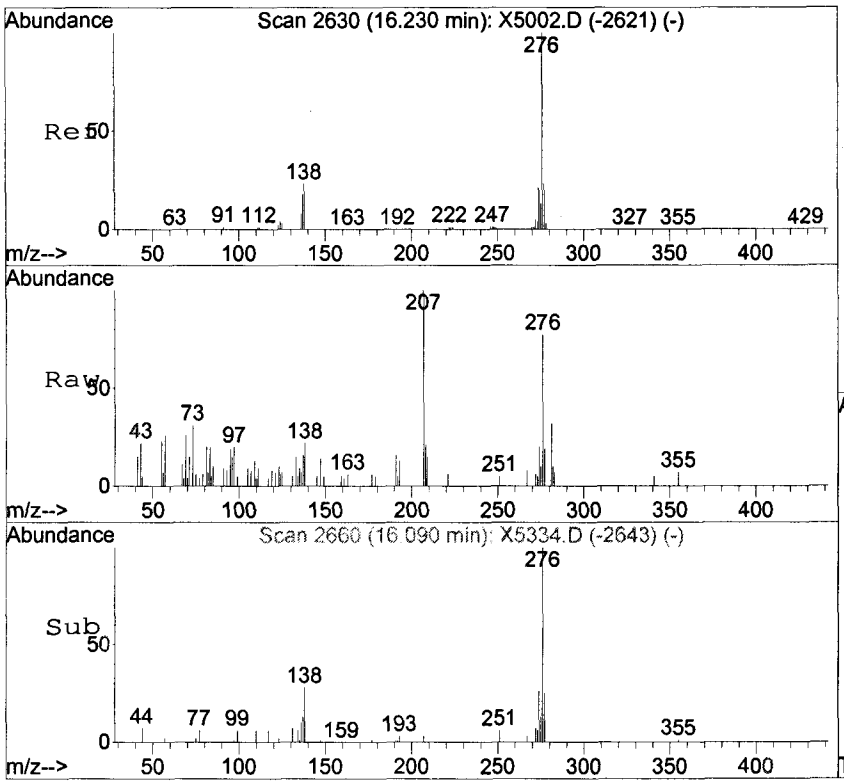


#84
C780 Indeno[1,2,3-cd]pyrene
Concen: 0.88 ng
RT: 15.80 min Scan# 2606
Delta R.T. -0.01 min
Lab File: X5334.D
Acq: 8 Dec 2010 11:55

Tgt Ion:276 Resp: 11678

Ion	Ratio	Lower	Upper
276	100		
138	25.4	7.2	47.2

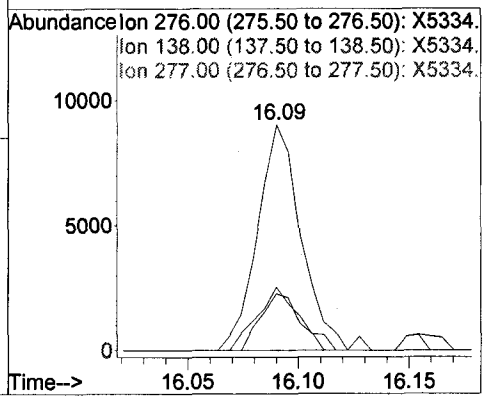




#86
C790 Benzo[g,h,i]perylene
Concen: 1.10 ng
RT: 16.09 min Scan# 2660
Delta R.T. -0.01 min
Lab File: X5334.D
Acq: 8 Dec 2010 11:55

Tgt Ion:276 Resp: 12505

Ion	Ratio	Lower	Upper
276	100		
138	28.1	3.0	43.0
277	25.2	2.2	42.2



Library Search Compound Report

Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

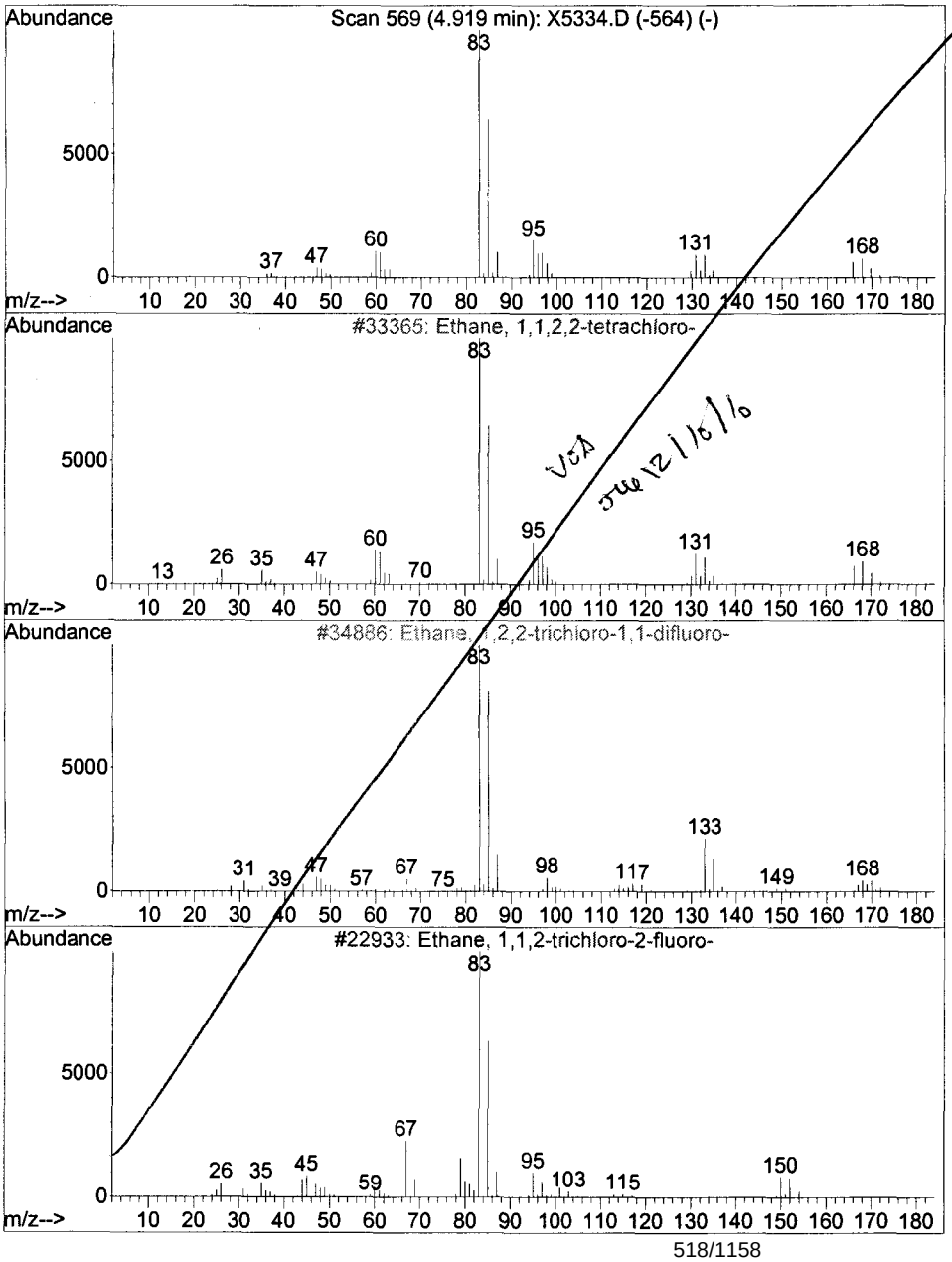
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

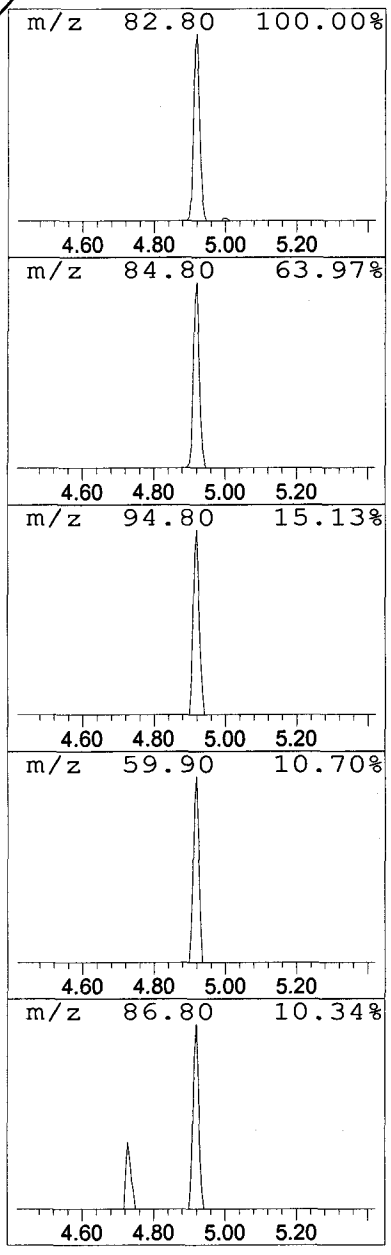
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Peak Number 1 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.92	15.77 ng	176715	CI30 1,4-Dichloro	448308	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	97
2	Ethane, 1,2,2-trichloro-1,1-difl...	168	C2HCl3F2	000354-21-2	62
3	Ethane, 1,1,2-trichloro-2-fluoro-	150	C2H2Cl3F	000359-28-4	59
4	Methane, bromodichloro-	162	CHBrCl2	000075-27-4	50
5	Ethane, 2,2-dichloro-1,1,1-trifl...	152	C2HCl2F3	000306-83-2	42





Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

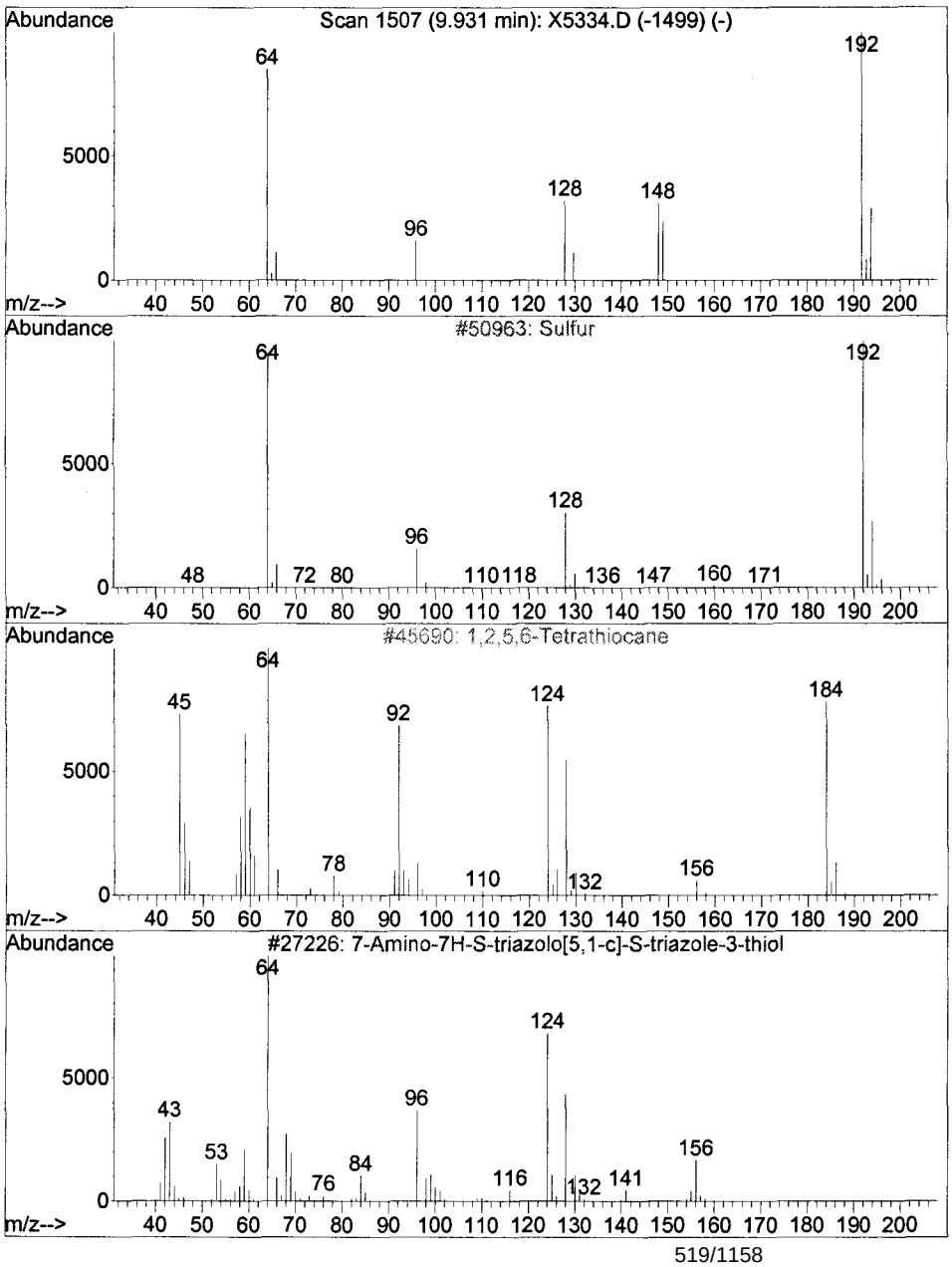
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

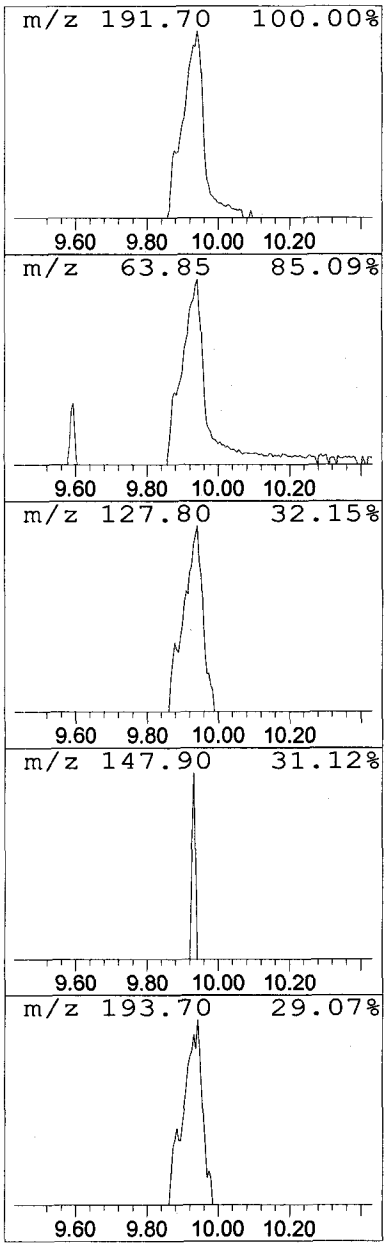
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Peak Number 2 Sulfur — Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
9.93	8.89 ng	140728	CI50 Acenaphthene	633006	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur	192	S6	013798-23-7	90
2	1,2,5,6-Tetrathiocane	184	C4H8S4	001940-01-8	42
3	7-Amino-7H-S-triazolo[5,1-c]-S-t...	156	C3H4N6S	013728-28-4	36
4	7-Chloro-4-nitrosoquinoline	192	C9H5ClN2O	090929-79-6	9
5	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	9





Library Search Compound Report

Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

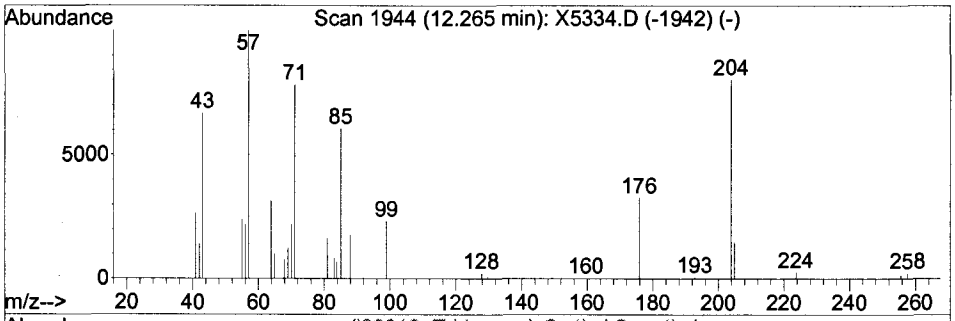
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

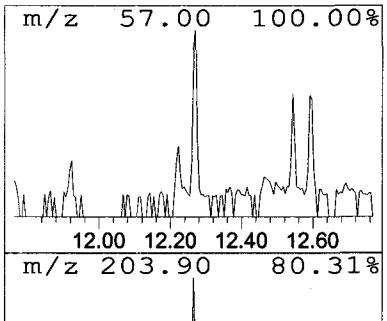
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Peak Number 3 Tridecanol, 2-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
12.27	4.53 ng	77932	CI60 Phenanthrene	688634	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	43
2	Tridecane, 7-propyl-	226	C16H34	055045-09-5	38
3	Octadecane	254	C18H38	000593-45-3	38
4	Heptadecane	240	C17H36	000629-78-7	38
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	38





Library Search Compound Report

Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

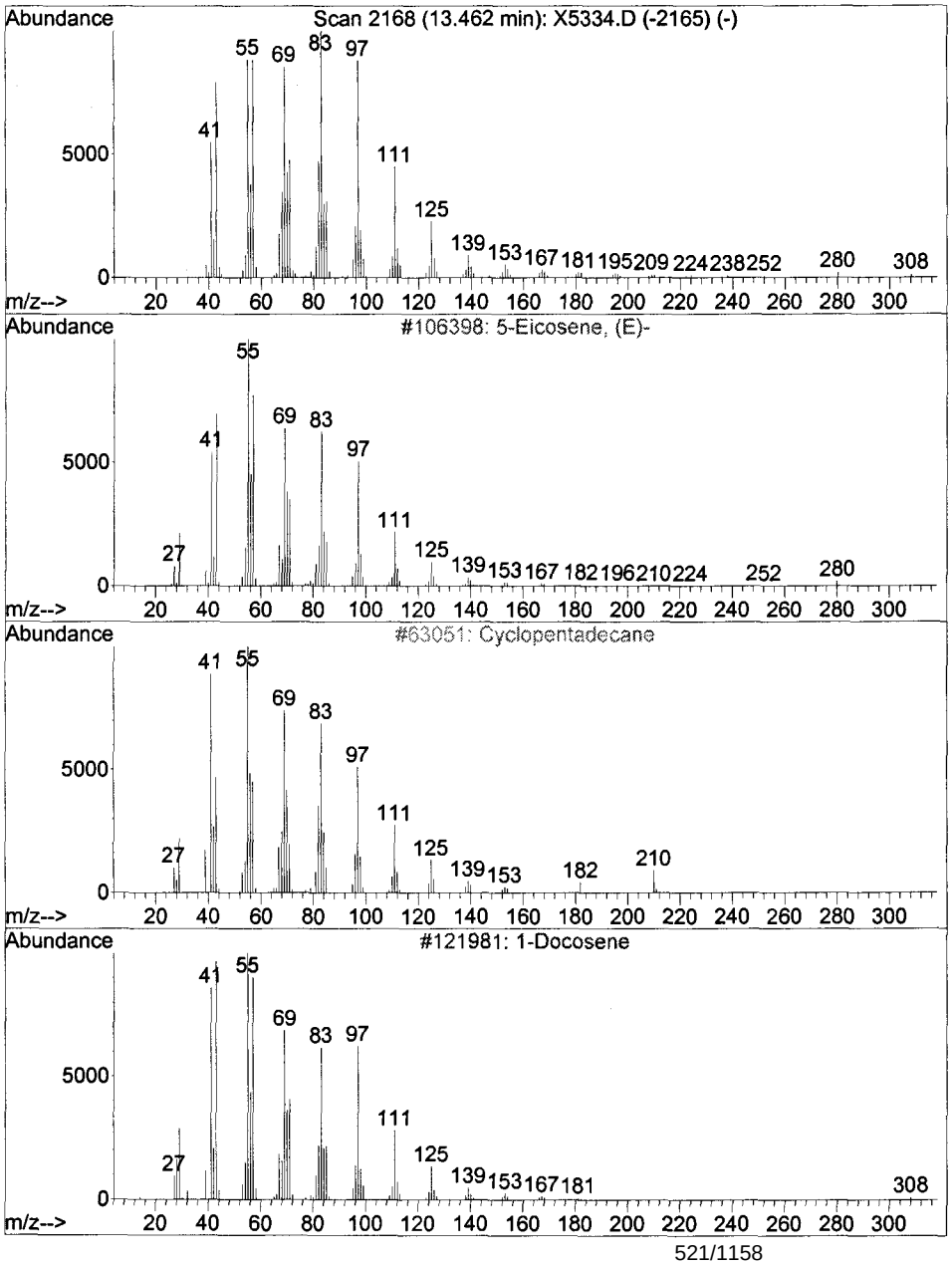
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

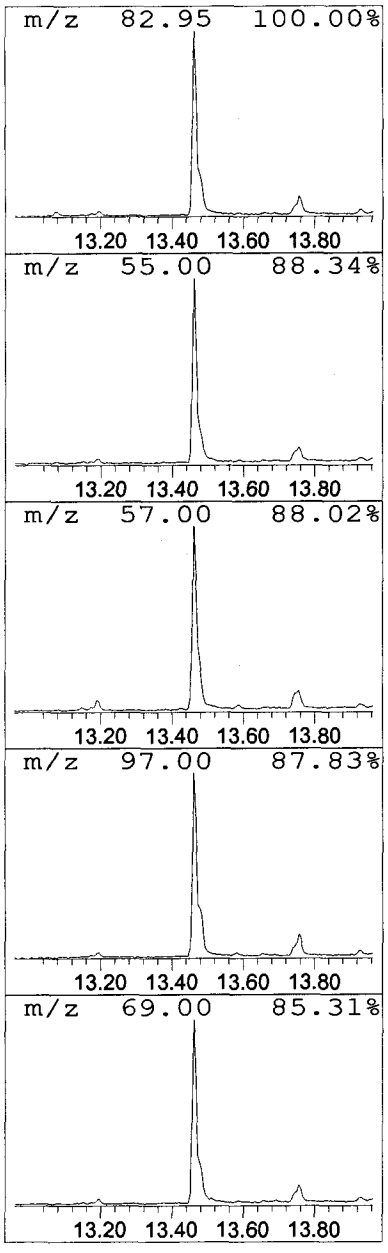
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Peak Number 4 5-Eicosene, (E)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
13.46	31.70 ng	826751	CI70 Chrysene-d12	1043120	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	Cyclopentadecane	210	C15H30	000295-48-7	95
3	1-Docosene	308	C22H44	001599-67-3	95
4	1-Hexadecene	224	C16H32	000629-73-2	93
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91





Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

#3

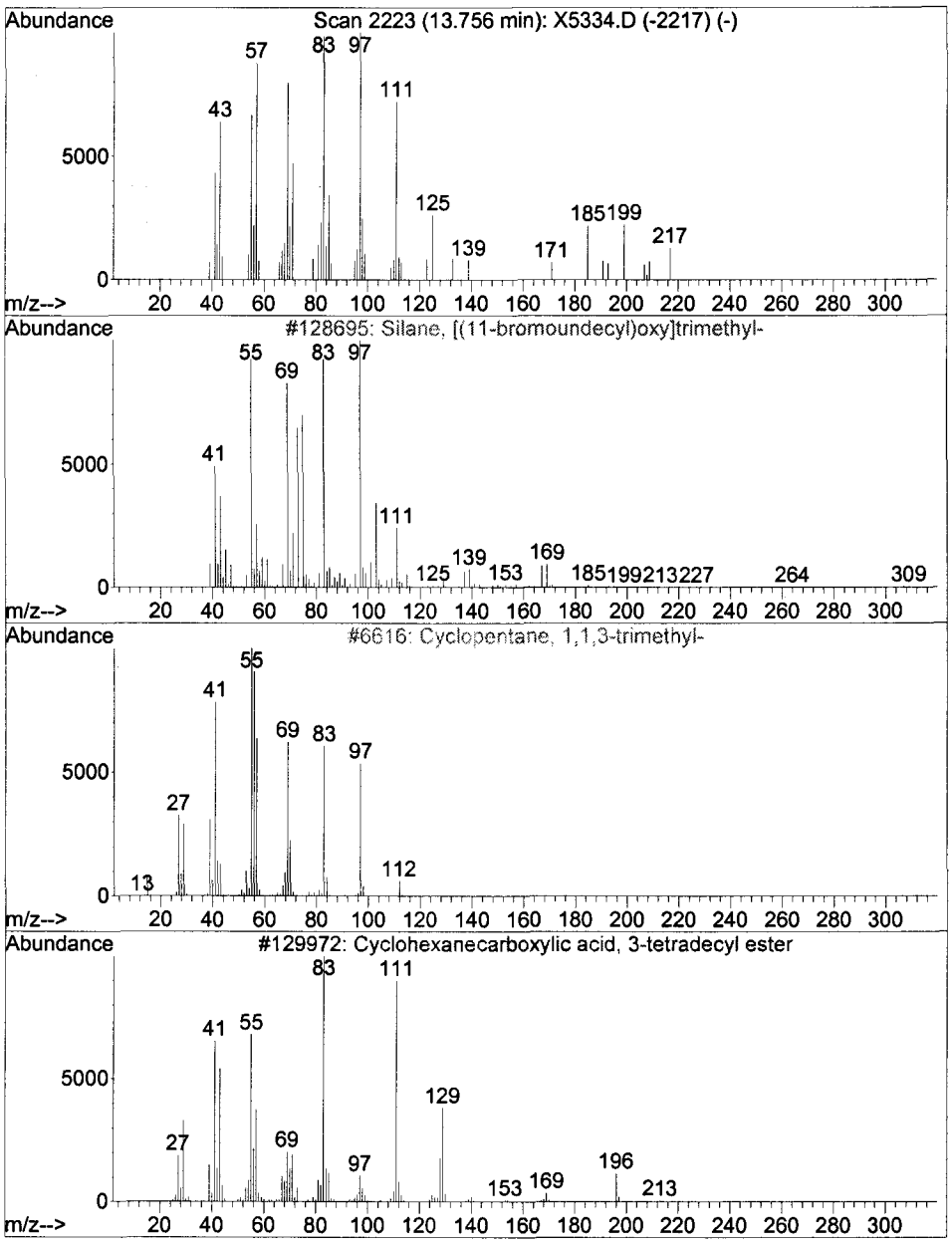
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Library : C:\DATABASE\NIST02.L

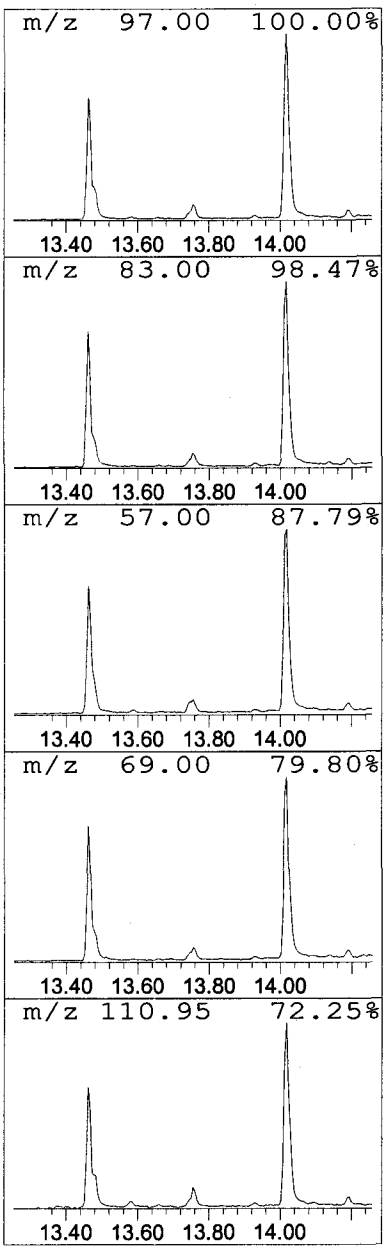
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Peak Number 5 Silane, [(11-bromoundecyl)o... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
13.76	5.17 ng	134788	CI70 Chrysene-d12	1043120	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, [(11-bromoundecyl)oxy]tr...	322	C14H31BrOSi	026305-83-9	50
2	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	46
3	Cyclohexanecarboxylic acid, 3-te...	324	C21H40O2	1000280-59-7	22
4	Cyclohexanecarboxylic acid, 4-te...	324	C21H40O2	1000280-59-8	22
5	Cyclohexanecarboxylic acid, 4-tr...	310	C20H38O2	1000280-59-5	22





Library Search Compound Report

Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

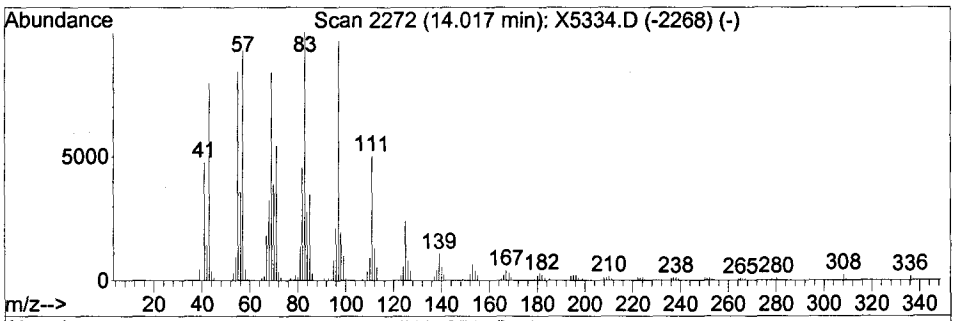
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Library : C:\DATABASE\NIST02.L

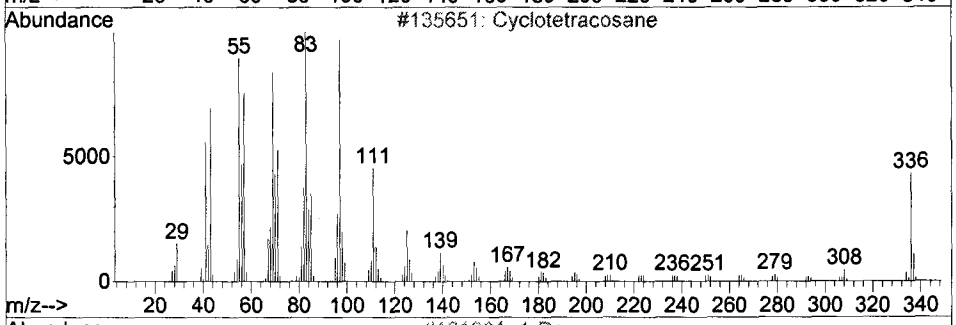
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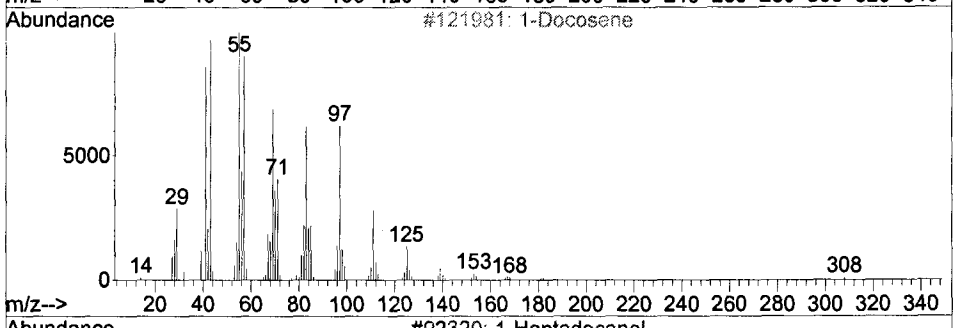
Peak Number 6 Cyclotetracosane Concentration Rank 1

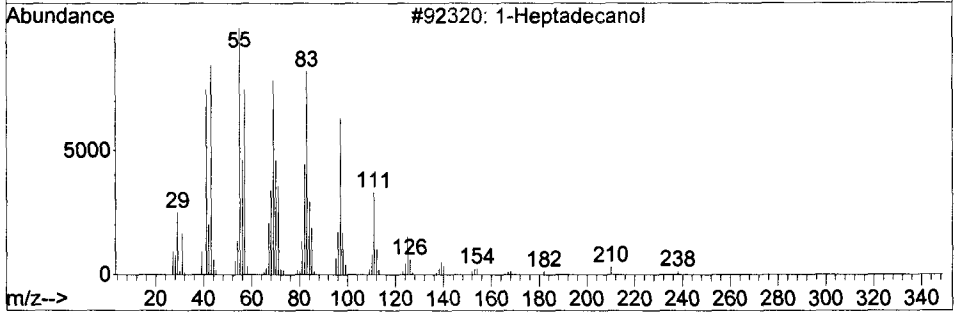
R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
14.02	50.99 ng	1329700	CI70 Chrysene-d12	1043120	13.58

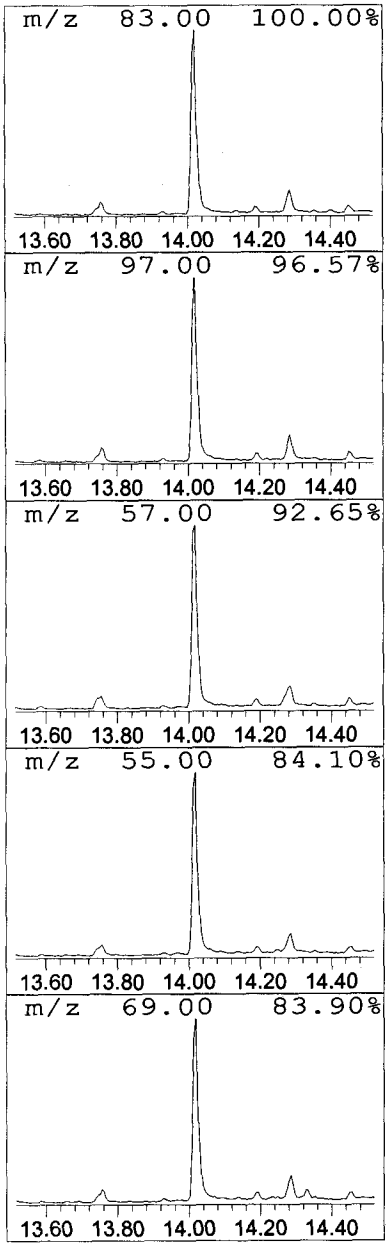
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	99
2	1-Docosene	308	C22H44	001599-67-3	94
3	1-Heptadecanol	256	C17H36O	001454-85-9	91
4	Cyclopentadecane	210	C15H30	000295-48-7	91
5	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91











Library Search Compound Report

Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

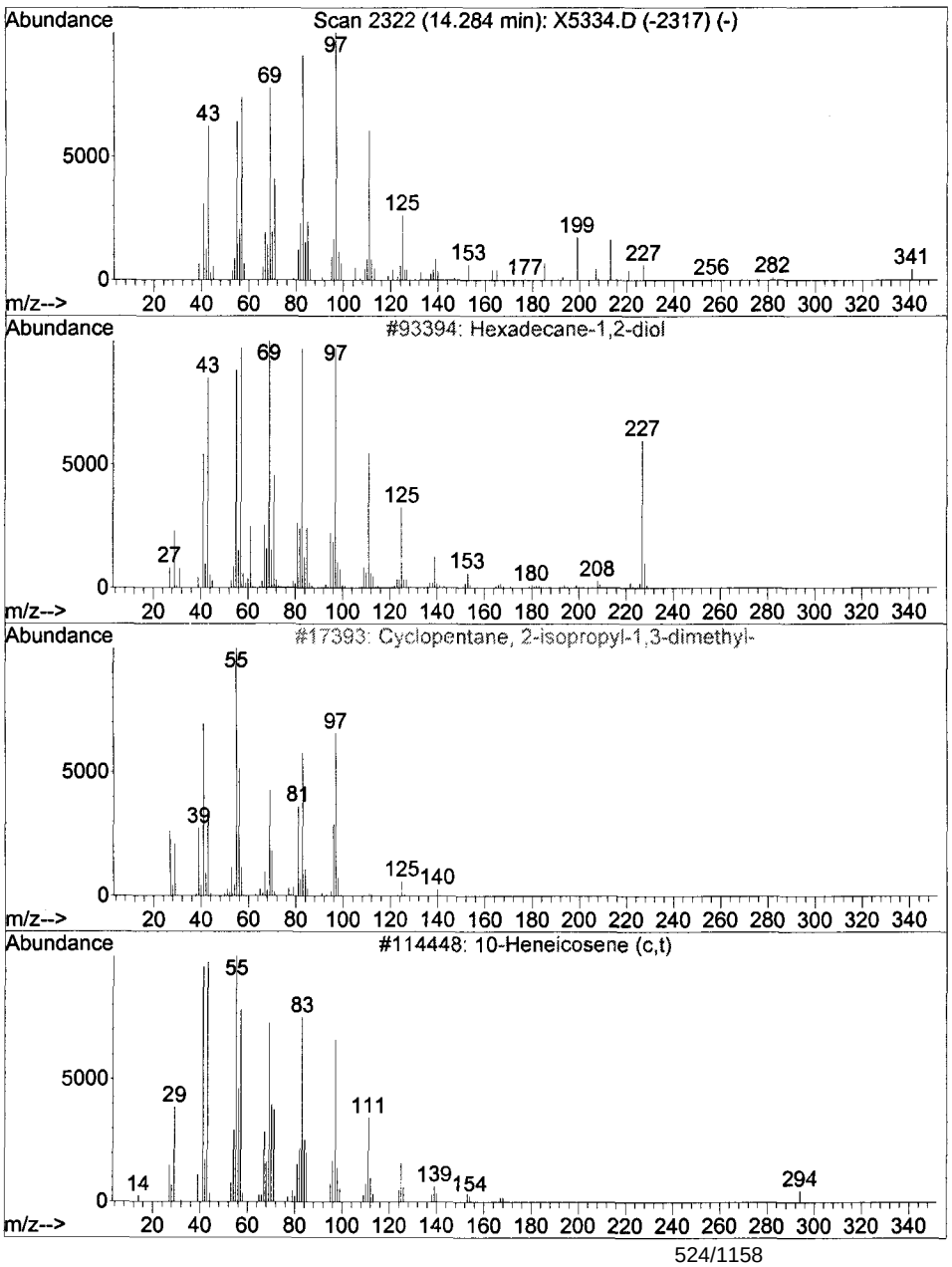
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Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

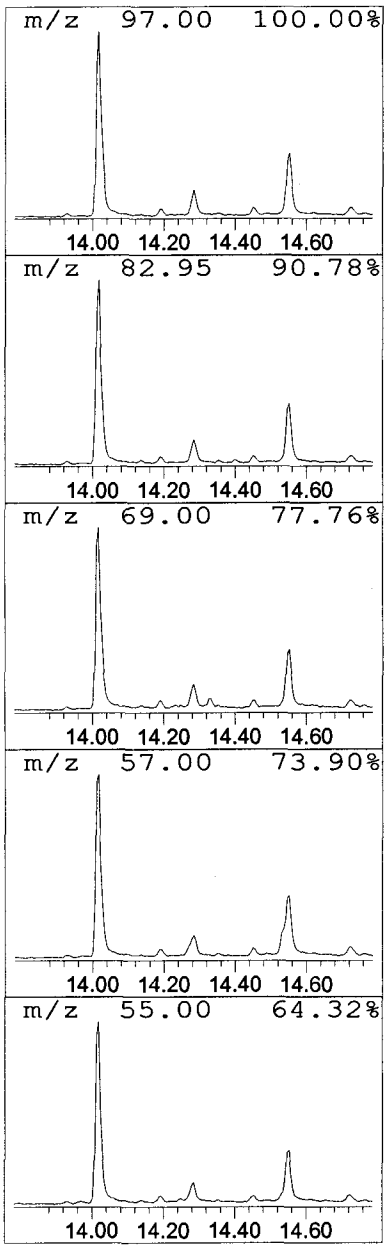
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Peak Number 7 Hexadecane-1,2-diol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
14.28	5.02 ng	157349	CI75 Perylene-d12	1253800	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane-1,2-diol	258	C16H34O2	006920-24-7	68
2	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	49
3	10-Heneicosene (c,t)	294	C21H42	095008-11-0	46
4	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	38
5	1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	35





Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

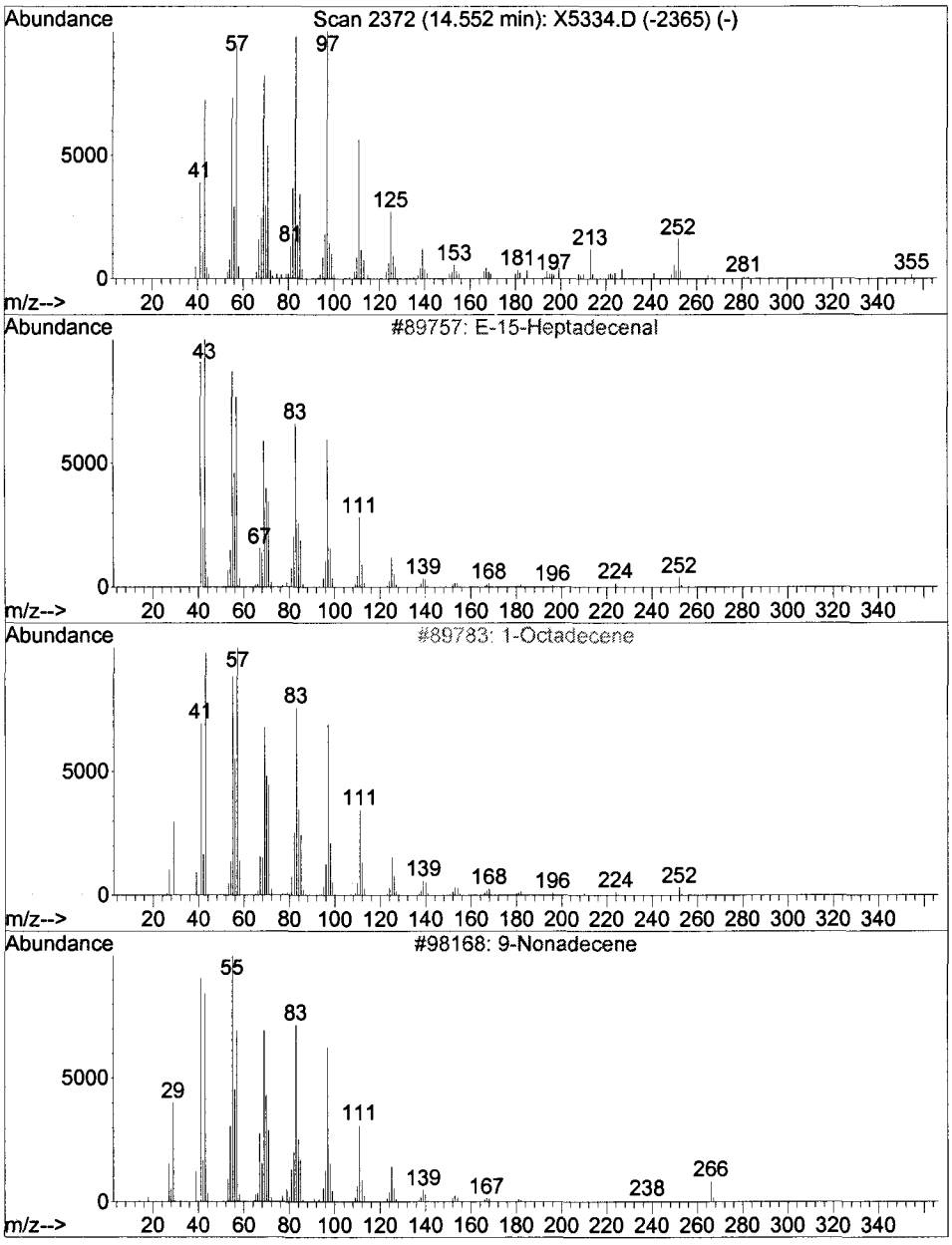
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Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

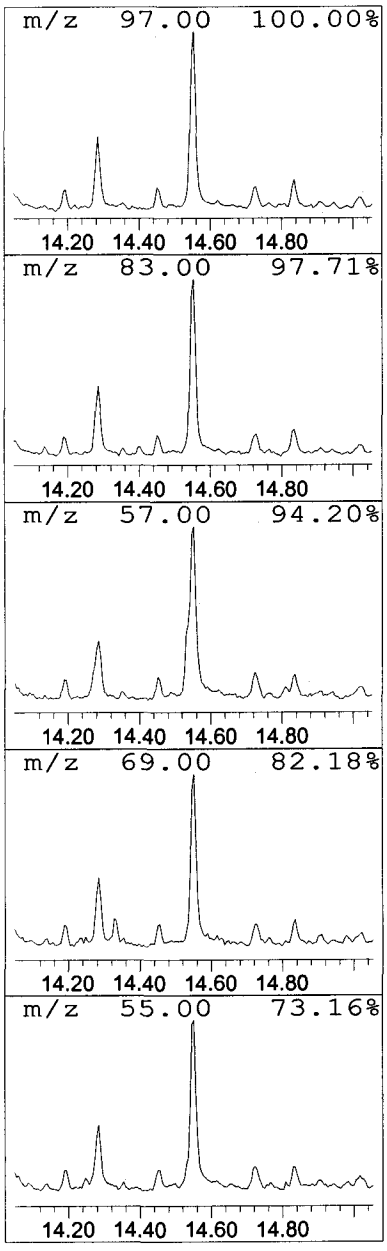
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Peak Number 8 E-15-Heptadecenal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
14.55	16.24 ng	509050	CI75 Perylene-d12	1253800	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	E-15-Heptadecenal	252	C17H32O	1000130-97-9	86
2	1-Octadecene	252	C18H36	000112-88-9	70
3	9-Nonadecene	266	C19H38	031035-07-1	58
4	Thieno[2,3-d]-1,3-thiaselenol-2-...	238	C5H2S3Se	081803-09-0	56
5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	52





Library Search Compound Report

Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
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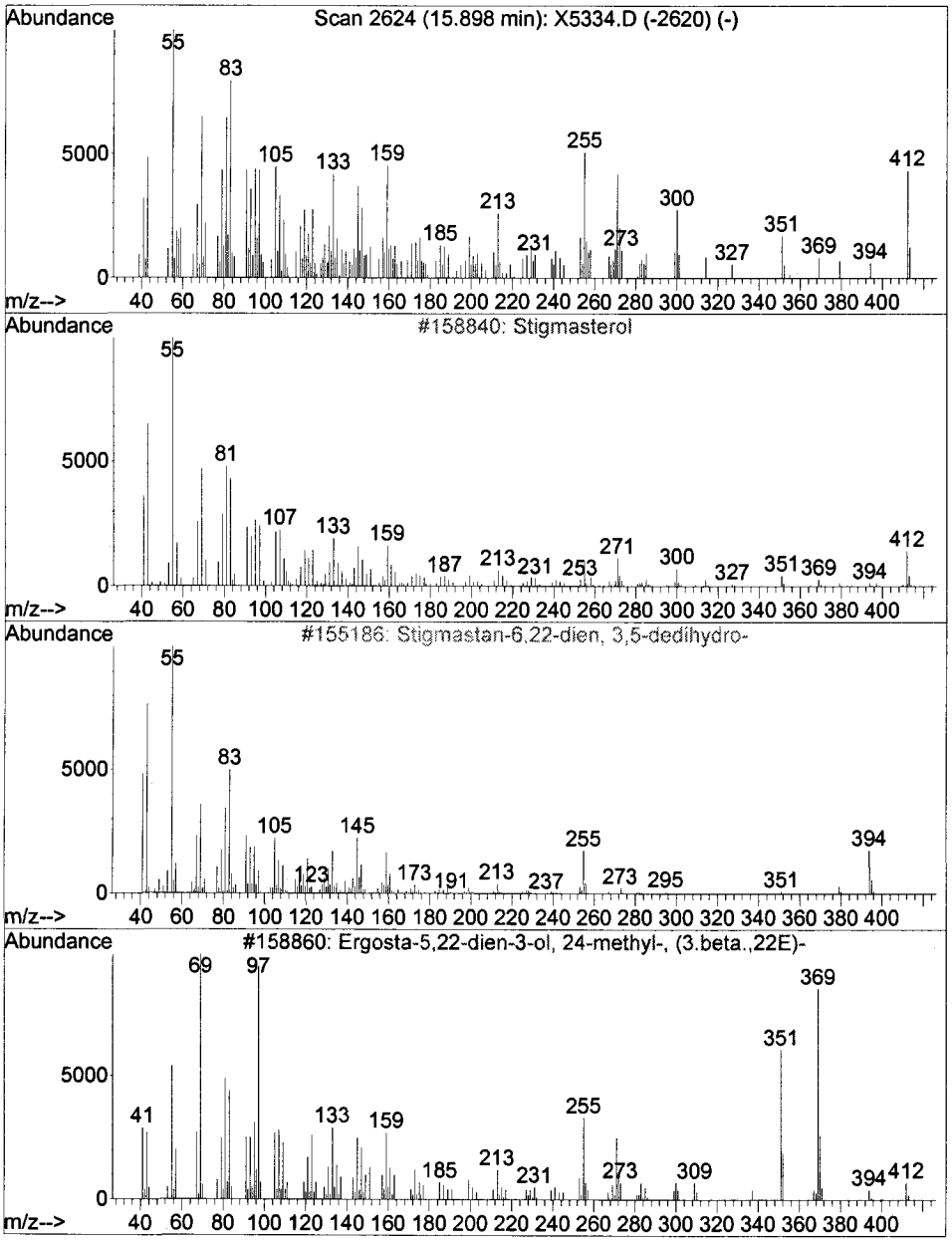
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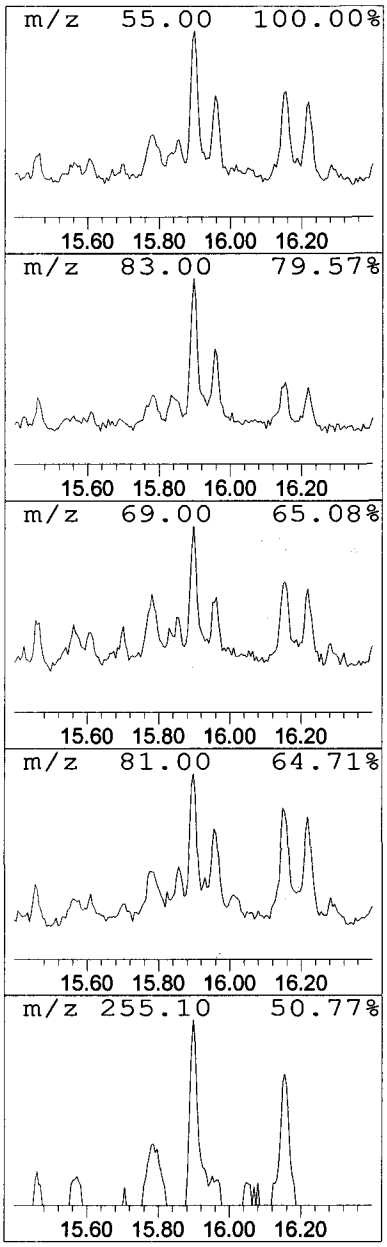
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Peak Number 9 Stigmasterol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
15.90	10.58 ng	331681	CI75 Perylene-d12	1253800	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmasterol	412	C29H48O	000083-48-7	99
2	Stigmastan-6,22-dien, 3,5-dedihy...	394	C29H46	107304-12-1	38
3	Ergosta-5,22-dien-3-ol, 24-methy...	412	C29H48O	053755-22-9	35
4	Chondrillasterol	412	C29H48O	000481-17-4	35
5	Stigmasteryl tosylate	566	C36H54O3S	053139-42-7	27





Library Search Compound Report

Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
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Library : C:\DATABASE\NIST02.L

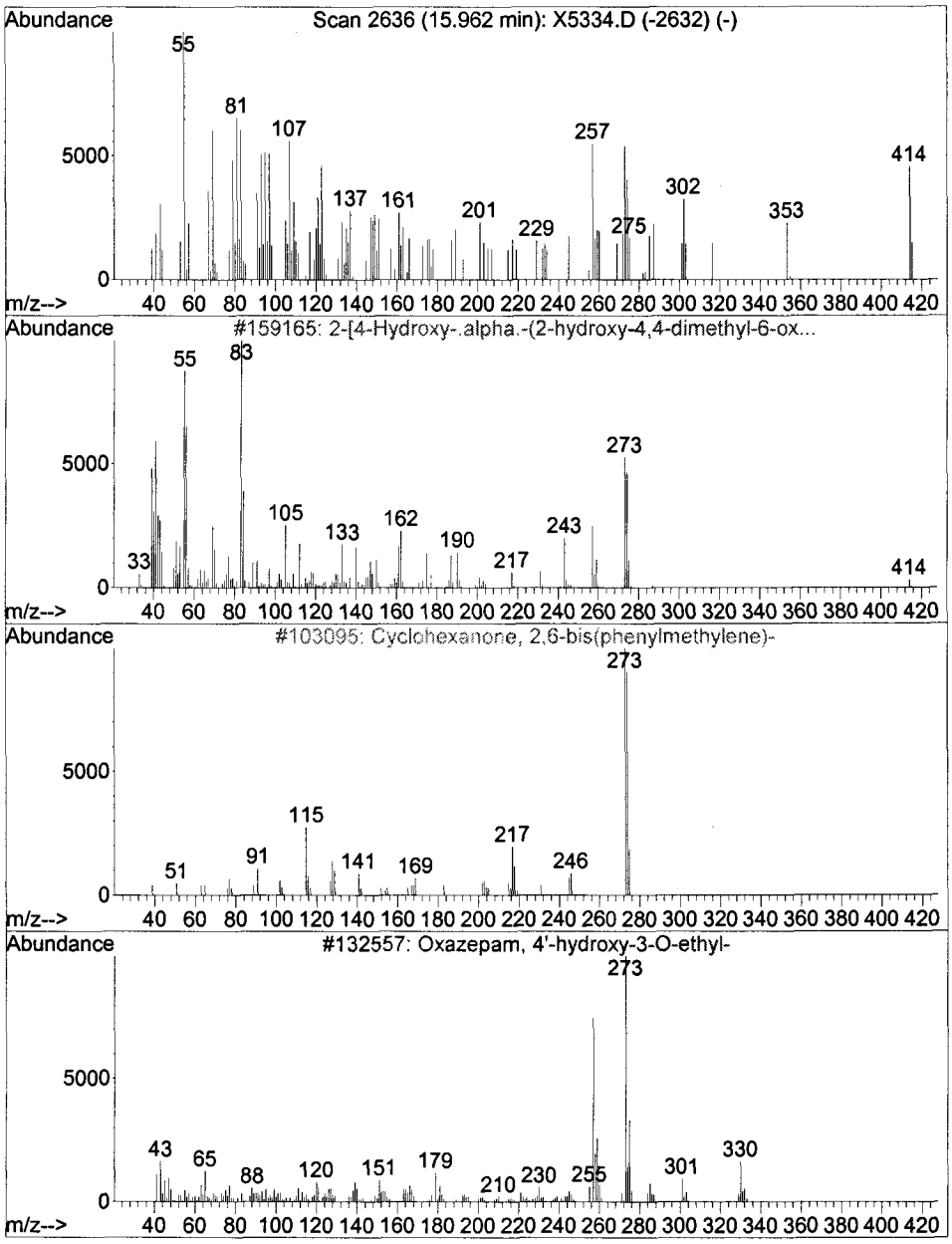
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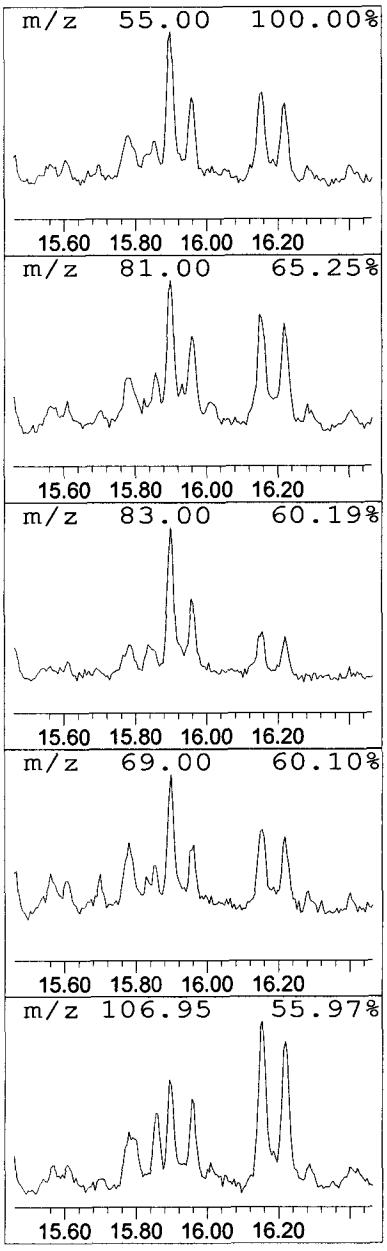
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Peak Number 10 2-[4-Hydroxy-.alpha.-(2-hyd... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
15.96	4.80 ng	150549	CI75 Perylene-d12	1253800	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[4-Hydroxy-.alpha.-(2-hydroxy-...	414	C24H30O6	316134-38-0	12
2	Cyclohexanone, 2,6-bis(phenylmet...	274	C20H18O	000897-78-9	10
3	Oxazepam, 4'-hydroxy-3-O-ethyl-	330	C17H15ClN2O3	1000212-21-7	10
4	8-[.alpha.-[1-Cyclohexenyl]propy...	302	C16H22N4O2	1000257-37-3	10
5	Dihydrogambirtannine, 1-dehydrox...	274	C19H18N2	1000214-23-7	10





Library Search Compound Report

Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

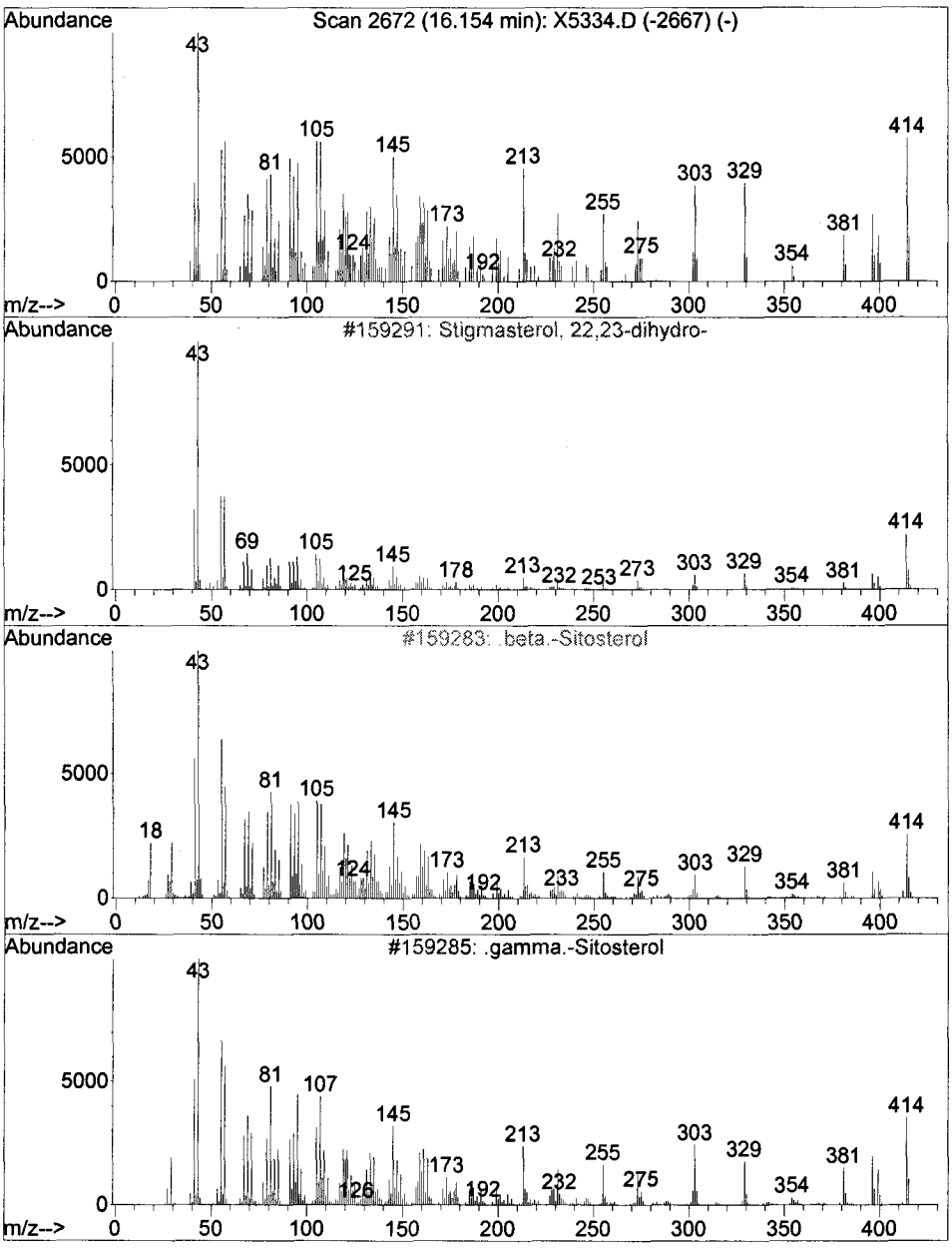
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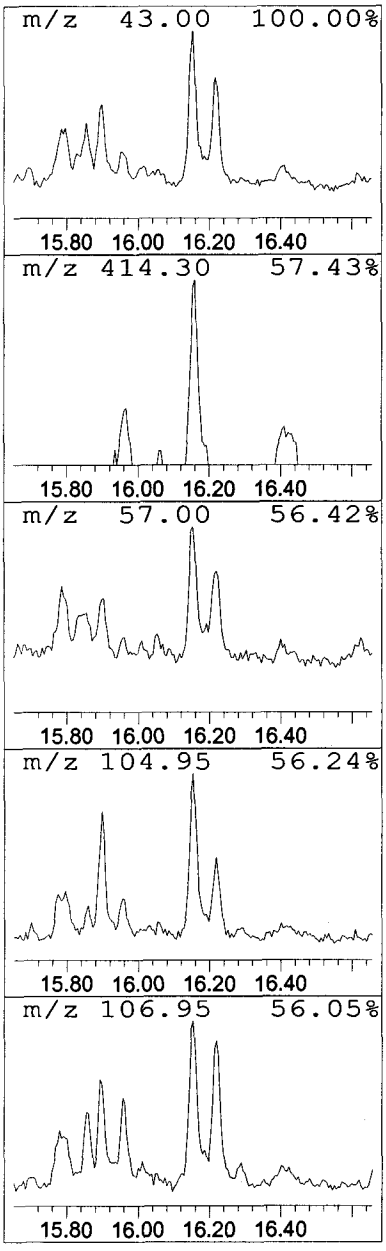
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Peak Number 11 Stigmasterol, 22,23-dihydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
16.15	13.99 ng	438427	CI75 Perylene-d12	1253800	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmasterol, 22,23-dihydro-	414	C29H50O	1000214-20-7	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	9[illegible]
3	.gamma.-Sitosterol	414	C29H50O	000083-47-6	9[illegible]
4	5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	41
5	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	38





Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

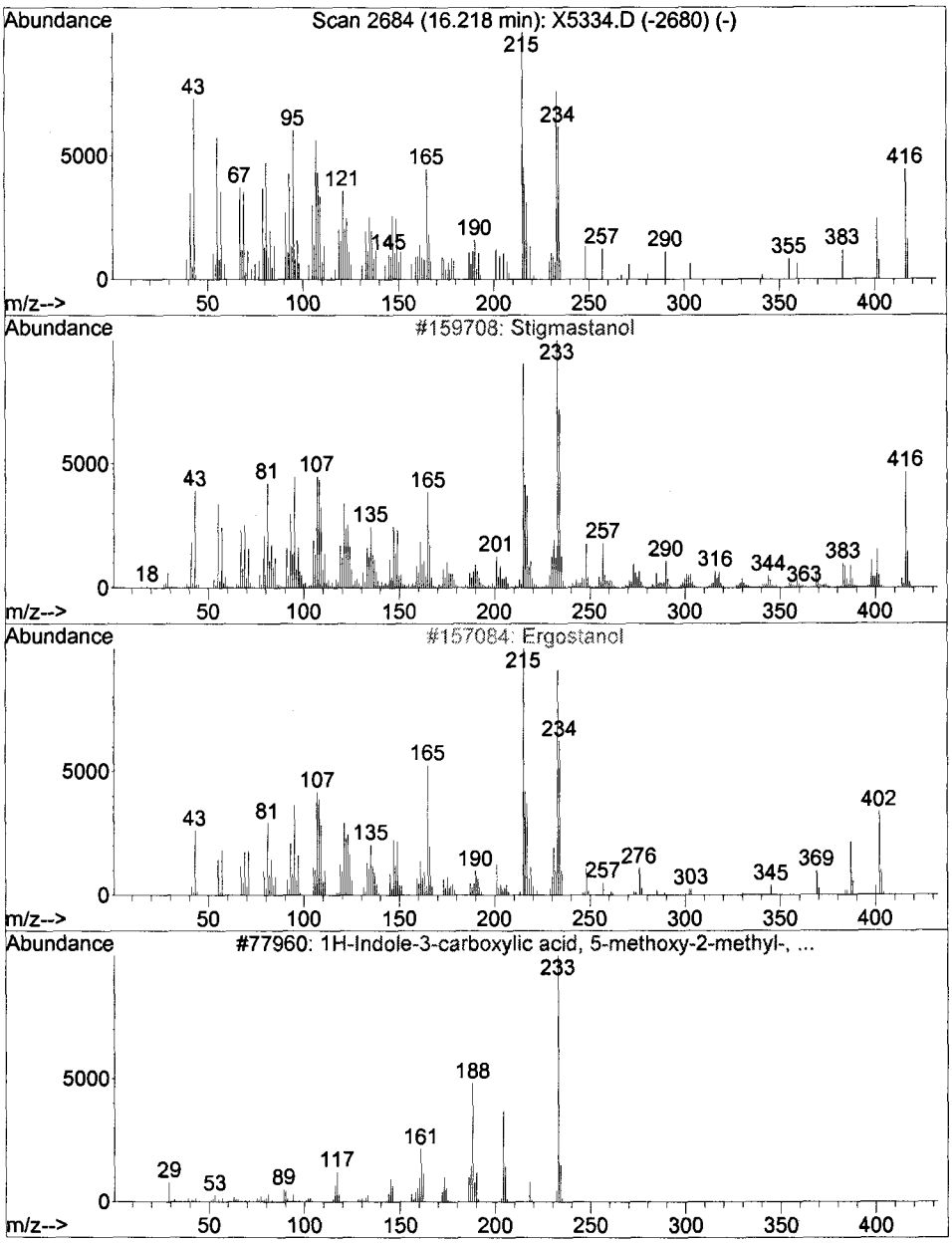
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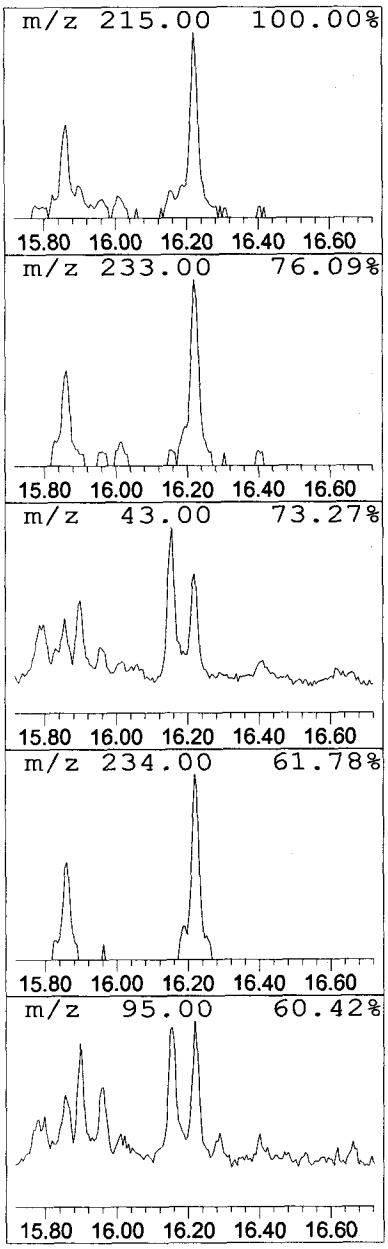
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Peak Number 12 Stigmastanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
16.22	10.49 ng	328889	CI75 Perylene-d12	1253800	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmastanol	416	C29H52O	019466-47-8	94
2	Ergostanol	402	C28H50O	006538-02-9	89
3	1H-Indole-3-carboxylic acid, 5-m...	233	C13H15NO3	034572-31-1	25
4	1(2H)-Naphthalenone, 3,4-dihydro...	234	C17H14O	006261-32-1	18
5	4-Aminodiphenylsulfone	233	C12H11NO2S	007019-01-4	18





Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120810\X5334.D
Acq On : 8 Dec 2010 11:55
Sample : RTL0572-06
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Ethane, 1,1,2,2-t...	4.92	15.8	ng	176715	1	5.99	448308	40.0
Sulfur	9.93	8.9	ng	140728	3	9.59	633006	40.0
Tridecanol, 2-eth...	12.27	4.5	ng	77932	4	11.19	688634	40.0
5-Eicosene, (E)-	13.46	31.7	ng	826751	5	13.58	1043120	40.0
Silane, [(11-brom...	13.76	5.2	ng	134788	5	13.58	1043120	40.0
Cyclotetracosane	14.02	51.0	ng	1329700	5	13.58	1043120	40.0
Hexadecane-1,2-diol	14.28	5.0	ng	157349	6	14.80	1253800	40.0
E-15-Heptadecenal	14.55	16.2	ng	509050	6	14.80	1253800	40.0
Stigmasterol	15.90	10.6	ng	331681	6	14.80	1253800	40.0
2-[4-Hydroxy-.alp...	15.96	4.8	ng	150549	6	14.80	1253800	40.0
Stigmasterol, 22,...	16.15	14.0	ng	438427	6	14.80	1253800	40.0
Stigmastanol	16.22	10.5	ng	328889	6	14.80	1253800	40.0

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-7-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-07	File ID:	X5335.D
Sampled:	12/06/10 12:40	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 12:18
Solids:	78.89	Preparation:	3550B MB	Initial/Final:	30.8 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	210	U
95-95-4	2,4,5-Trichlorophenol	1	210	U
88-06-2	2,4,6-Trichlorophenol	1	210	U
120-83-2	2,4-Dichlorophenol	1	210	U
105-67-9	2,4-Dimethylphenol	1	210	U
51-28-5	2,4-Dinitrophenol	1	410	U
121-14-2	2,4-Dinitrotoluene	1	210	U
606-20-2	2,6-Dinitrotoluene	1	210	U
91-58-7	2-Chloronaphthalene	1	210	U
95-57-8	2-Chlorophenol	1	210	U
91-57-6	2-Methylnaphthalene	1	210	U
95-48-7	2-Methylphenol	1	210	U
88-74-4	2-Nitroaniline	1	410	U
88-75-5	2-Nitrophenol	1	210	U
91-94-1	3,3'-Dichlorobenzidine	1	210	U
99-09-2	3-Nitroaniline	1	410	U
534-52-1	4,6-Dinitro-2-methylphenol	1	410	U
101-55-3	4-Bromophenyl phenyl ether	1	210	U
59-50-7	4-Chloro-3-methylphenol	1	210	U
106-47-8	4-Chloroaniline	1	210	U
7005-72-3	4-Chlorophenyl phenyl ether	1	210	U
106-44-5	4-Methylphenol	1	410	U
100-01-6	4-Nitroaniline	1	410	U
100-02-7	4-Nitrophenol	1	410	U
83-32-9	Acenaphthene	1	210	U
208-96-8	Acenaphthylene	1	210	U
98-86-2	Acetophenone	1	210	U
120-12-7	Anthracene	1	210	U
1912-24-9	Atrazine	1	210	U
100-52-7	Benzaldehyde	1	210	U
56-55-3	Benzo(a)anthracene	1	210	U
50-32-8	Benzo(a)pyrene	1	210	U
205-99-2	Benzo(b)fluoranthene	1	210	U
191-24-2	Benzo(ghi)perylene	1	210	U
207-08-9	Benzo(k)fluoranthene	1	210	U
92-52-4	Biphenyl	1	210	U
111-91-1	Bis(2-chloroethoxy)methane	1	210	U
111-44-4	Bis(2-chloroethyl)ether	1	210	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	210	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-7-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-07	File ID:	X5335.D
Sampled:	12/06/10 12:40	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 12:18
Solids:	78.89	Preparation:	3550B MB	Initial/Final:	30.8 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	210	U
105-60-2	Caprolactam	1	210	U
86-74-8	Carbazole	1	210	U
218-01-9	Chrysene	1	210	U
53-70-3	Dibenzo(a,h)anthracene	1	210	U
132-64-9	Dibenzofuran	1	210	U
84-66-2	Diethyl phthalate	1	210	U
131-11-3	Dimethyl phthalate	1	210	U
84-74-2	Di-n-butyl phthalate	1	210	U
117-84-0	Di-n-octyl phthalate	1	210	U
206-44-0	Fluoranthene	1	210	U
86-73-7	Fluorene	1	210	U
118-74-1	Hexachlorobenzene	1	210	U
87-68-3	Hexachlorobutadiene	1	210	U
77-47-4	Hexachlorocyclopentadiene	1	210	U
67-72-1	Hexachloroethane	1	210	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	210	U
78-59-1	Isophorone	1	210	U
91-20-3	Naphthalene	1	210	U
98-95-3	Nitrobenzene	1	210	U
621-64-7	N-Nitrosodi-n-propylamine	1	210	U
86-30-6	N-Nitrosodiphenylamine	1	210	U
87-86-5	Pentachlorophenol	1	410	U
85-01-8	Phenanthrene	1	210	U
108-95-2	Phenol	1	210	U
129-00-0	Pyrene	1	210	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6170	7600	123	39 - 146	
2-Fluorobiphenyl	4120	3740	91	37 - 120	
2-Fluorophenol	6170	4800	78	18 - 120	
Nitrobenzene-d5	4120	3770	91	34 - 132	
Phenol-d5	6170	5360	87	11 - 120	
p-Terphenyl-d14	4120	3500	85	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	85680	5.99	97150	5.99	
Acenaphthene-d10	185545	9.59	204736	9.59	
Chrysene-d12	445031	13.58	416640	13.58	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-7-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-07	File ID:	X5335.D
Sampled:	12/06/10 12:40	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 12:18
Solids:	78.89	Preparation:	3550B MB	Initial/Final:	30.8 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8	321807	7.53	352894	7.53	
Perylene-d12	540621	14.8	500422	14.8	
Phenanthrene-d10	316868	11.19	344124	11.19	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5335.D Vial: 7
Acq On : 8 Dec 2010 12:18 Operator: MKP
Sample : RTL0572-07 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:55:23 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	85680	40.00	ng	0.00 88.19%
21) CI40 Naphthalene-d8	7.53	136	321807	40.00	ng	0.00 91.19%
37) CI50 Acenaphthene-d10	9.59	164	185545	40.00	ng	0.00 90.63%
58) CI60 Phenanthrene-d10	11.19	188	316868	40.00	ng	0.00 92.08%
70) CI70 Chrysene-d12	13.58	240	445031	40.00	ng	0.00 106.81%
80) CI75 Perylene-d12	14.80	264	540621	40.00	ng	0.00 108.03%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.32	112	386794	116.56	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 77.71%			
6) CS45 Phenol-d5	5.57	99	520670	130.14	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 86.76%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.67	82	294847	91.50	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 91.50%			
41) CS25 2-Fluorobiphenyl	8.81	172	534132	90.78	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 90.78%			
61) CS55 2,4,6-Tribromophenol	10.48	330	154293	184.74	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 123.16%#			
73) CS30 Terphenyl-d14	12.68	244	683131	85.16	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 85.16%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.
3) E100 Pyridine	0.00	79	0	N.D.
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.
8) C315 Phenol	0.00	94	0	N.D.
9) C330 2-Chlorophenol	0.00	128	0	N.D.
10) C320 aniline	0.00	93	0	N.D.
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.
15) C345 Benzyl alcohol	0.00	108	0	N.D.
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.
17) C355 2-Methylphenol	0.00	108	0	N.D.
18) C375 Hexachloroethane	0.00	117	0	N.D.
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.
20) C365 4-Methylphenol	0.00	108	0	N.D.
23) C410 Nitrobenzene	0.00	77	0	N.D.
24) C415 Isophorone	0.00	82	0	N.D.
25) C011 Tetraethyl Lead	0.00	237	0	N.D.
26) C430 benzoic acid	0.00	122	0	N.D.
27) C420 2-Nitrophenol	0.00	139	0	N.D.
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5335.D Vial: 7
Acq On : 8 Dec 2010 12:18 Operator: MKP
Sample : RTL0572-07 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:55:23 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.	
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.	
32) C450 Naphthalene	0.00	128	0	N.D.	
33) C455 4-Chloroaniline	0.00	127	0	N.D.	
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.	
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.	
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.	
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.	
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.	
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.	
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.	
43) C530 2-Nitroaniline	0.00	65	0	N.D.	
44) C540 Acenaphthylene	0.00	152	0	N.D.	
45) C535 Dimethylphthalate	0.00	163	0	N.D.	
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.	
47) C550 Acenaphthene	0.00	153	0	N.D.	
48) C545 3-Nitroaniline	0.00	138	0	N.D.	
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
50) C565 Dibenzofuran	0.00	168	0	N.D.	
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
52) C560 4-Nitrophenol	0.00	109	0	N.D.	
53) C590 Fluorene	0.00	166	0	N.D.	
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.	
55) C580 Diethylphthalate	0.00	149	0	N.D.	
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.	
57) C595 4-Nitroaniline	0.00	138	0	N.D.	
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.	
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.	
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.	
63) C630 Hexachlorobenzene	0.00	284	0	N.D.	
64) C635 Pentachlorophenol	0.00	266	0	N.D.	
65) C640 Phenanthrene	0.00	178	0	N.D.	
66) C645 Anthracene	0.00	178	0	N.D.	
67) C647 carbazole	0.00	167	0	N.D.	
68) C650 Di-n-butylphthalate	11.77	149	4239	0.51 ng	94
69) C655 Fluoranthene	12.33	202	2567	N.D.	
71) C715 Pyrene	12.53	202	2327	N.D.	
72) C710 benzidine	0.00	184	0	N.D.	
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.	
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.	
76) C730 Benzo[a]anthracene	13.58	228	2136	N.D.	
77) C735 Chrysene	13.58	228	2136	N.D.	
78) C740 bis(2-Ethylhexyl)ph	13.59	149	4599	N.D.	
79) C760 Di-n-octylphthalate	0.00	149	0	N.D. d	
81) C765 Benzo[b]fluoranthen	14.47	252	3456	N.D.	
82) C770 Benzo[k]fluoranthen	14.47	252	4654	N.D.	
83) C775 Benzo[a]pyrene	14.80	252	2229	N.D.	
84) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.	
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.	
86) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5335.D Vial: 7
Acq On : 8 Dec 2010 12:18 Operator: MKP
Sample : RTL0572-07 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:55:23 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5335.D Vial: 7
Acq On : 8 Dec 2010 12:18 Operator: MKP
Sample : RTL0572-07 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:58:02 2010 Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:57:39 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5327.D (8 Dec 2010 9:15)

MKP 12/09/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	85680	40.00	ng	0.00 99.46%
4) CI40 Naphthalene-d8	7.53	136	321807	40.00	ng	0.00 110.17%
7) CI50 Acenaphthene-d8	9.59	164	185545	40.00	ng	0.00 116.18%
10) CI60 Phenanthrene-d10	11.19	188	316868	40.00	ng	0.00 119.37%
12) CI70 Chrysene-d12	13.58	240	445031	40.00	ng	0.00 130.50%
13) CI75 Perylene-d12	14.80	264	540621	40.00	ng	0.00 144.51%

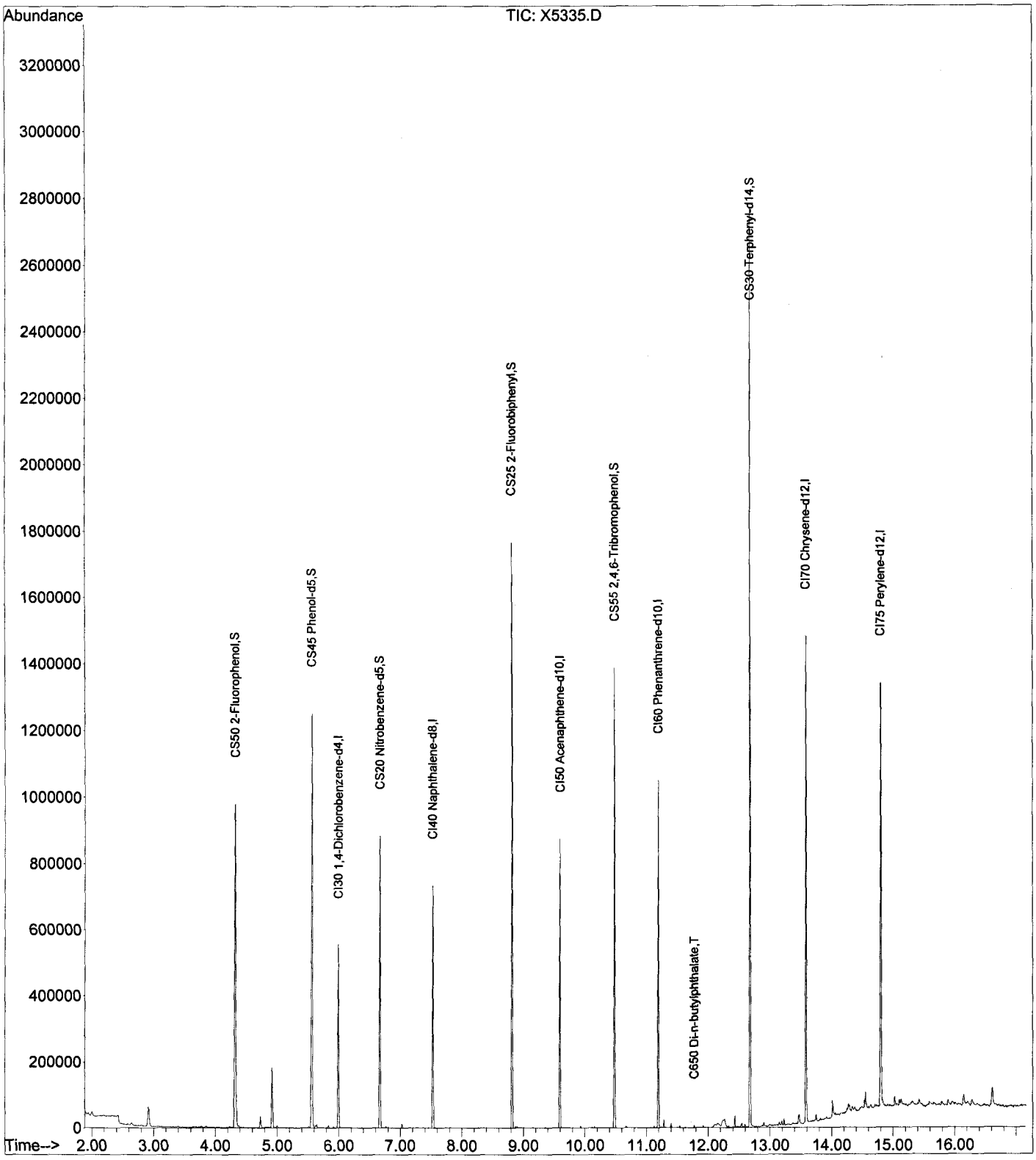
Target Compounds					Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	
3) E145 Acetophenone	0.00	105	0	N.D.	
5) E655 Caprolactam	0.00	113	0	N.D.	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.	
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.	
11) E510 Atrazine	0.00	200	0	N.D.	

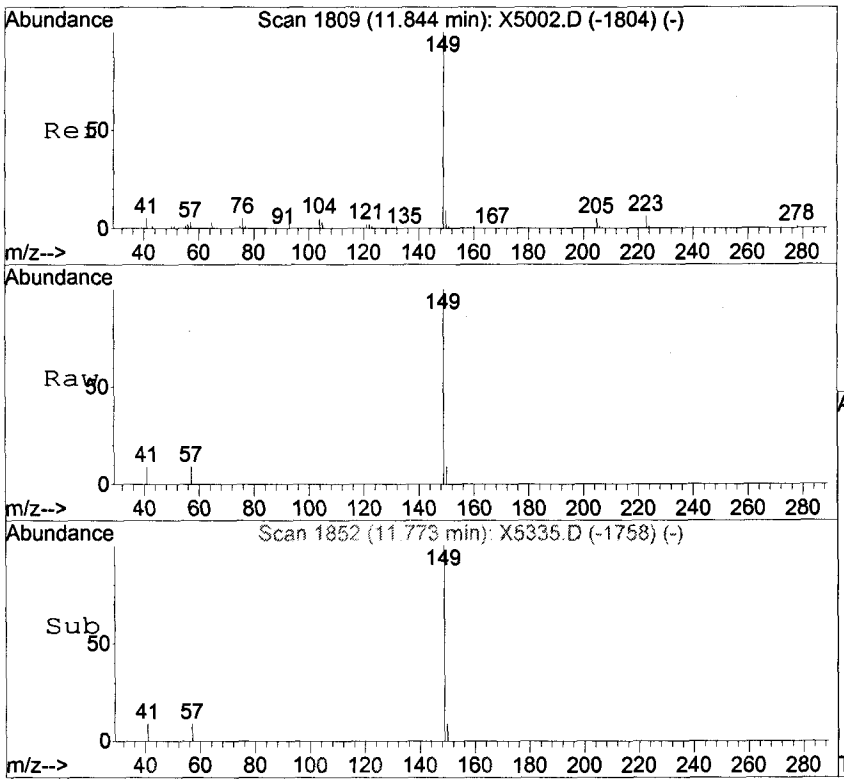
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5335.D Vial: 7
Acq On : 8 Dec 2010 12:18 Operator: MKP
Sample : RTL0572-07 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Dec 09 12:55:23 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

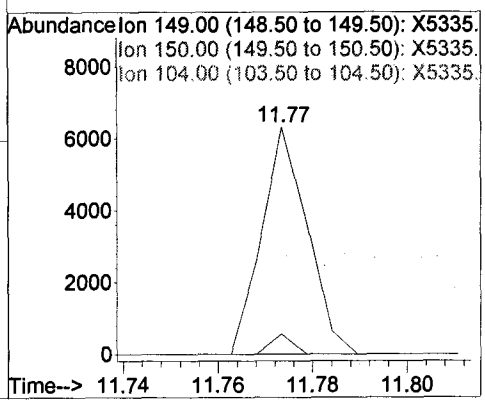




#68
C650 Di-n-butylphthalate
Concen: 0.51 ng
RT: 11.77 min Scan# 1852
Delta R.T. -0.00 min
Lab File: X5335.D
Acq: 8 Dec 2010 12:18

Tgt Ion:149 Resp: 4239

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	29.0
104	0.0	0.0	25.3



Library Search Compound Report

Data File : D:\DATA\120810\X5335.D
Acq On : 8 Dec 2010 12:18
Sample : RTL0572-07
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

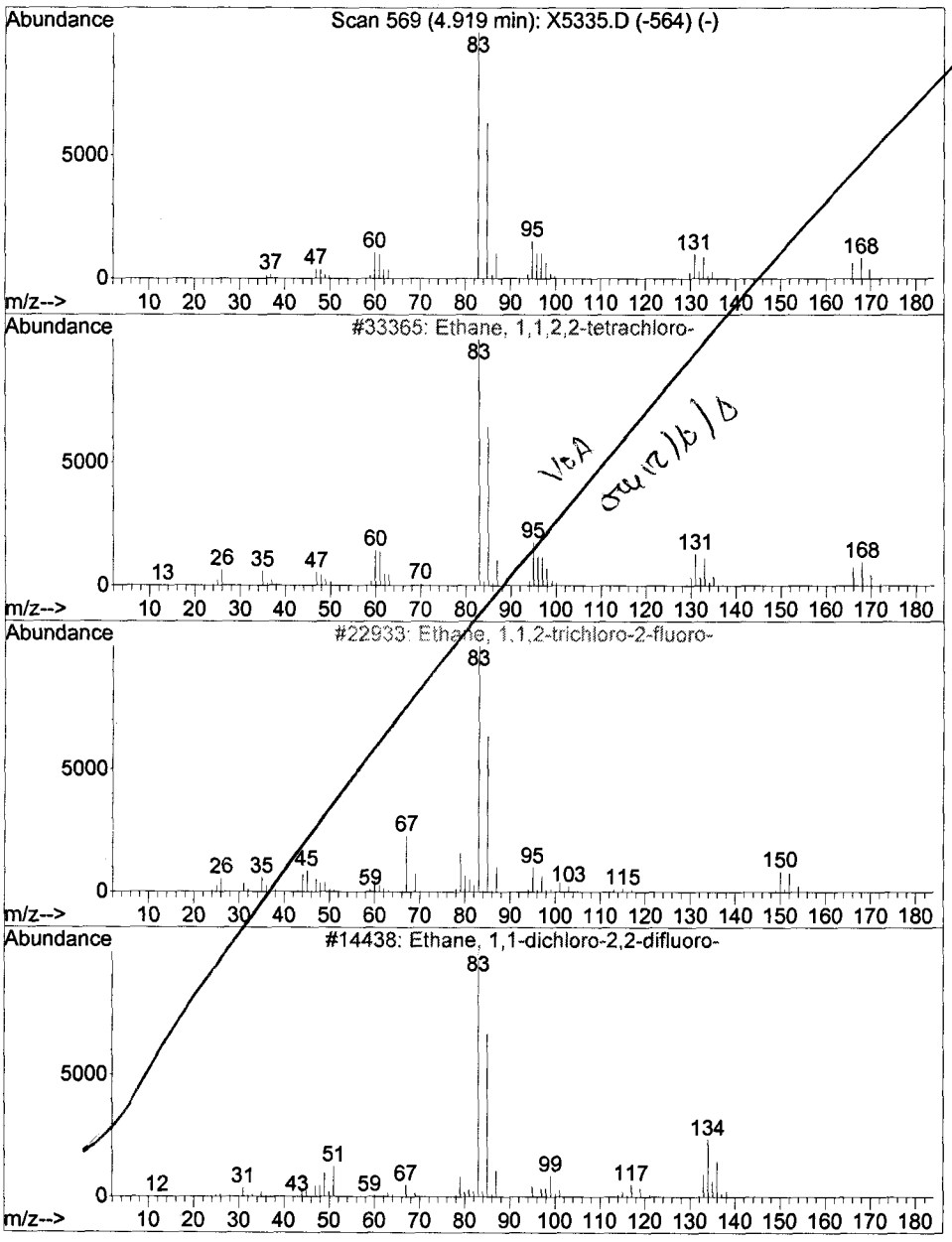
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

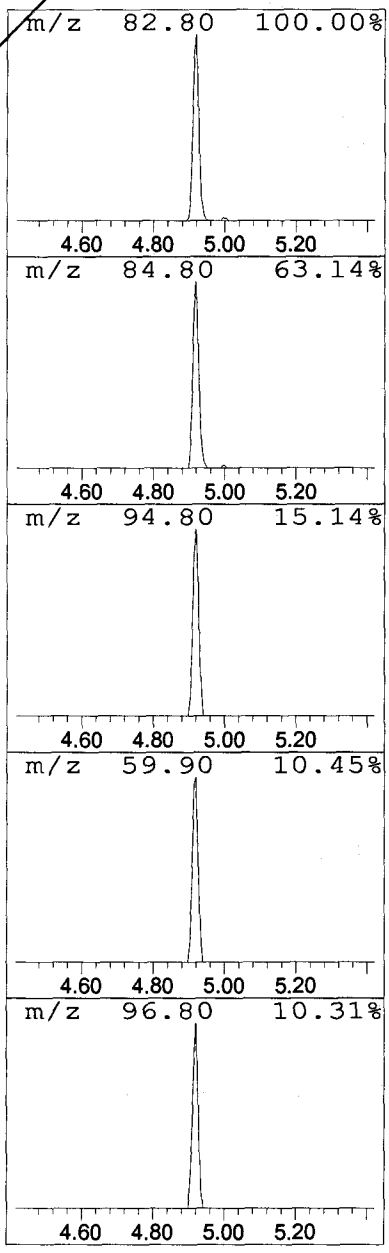
****

Peak Number 1 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.92	15.49 ng	204856	CI30 1,4-Dichloro	529137	5.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	97
2	Ethane, 1,1,2-trichloro-2-fluoro-	150	C2H2Cl3F	000359-28-4	59
3	Ethane, 1,1-dichloro-2,2-difluoro-	134	C2H2Cl2F2	000471-43-2	50
4	Methane, bromodichloro-	162	CHBrCl2	000075-27-4	50
5	Ethane, 2,2-dichloro-1,1,1-trifl...	152	C2HCl2F3	000306-83-2	40





Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120810\X5335.D
Acq On : 8 Dec 2010 12:18
Sample : RTL0572-07
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Ethane, 1,1,2,2-t...	4.92	15.5	ng	204856	1	5.99	529137	40.0

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

SP-8-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-08	File ID:	X5316.D
Sampled:	12/06/10 13:00	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 03:26
Solids:	81.04	Preparation:	3550B MB	Initial/Final:	30.39 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	210	U
95-95-4	2,4,5-Trichlorophenol	1	210	U
88-06-2	2,4,6-Trichlorophenol	1	210	U
120-83-2	2,4-Dichlorophenol	1	210	U
105-67-9	2,4-Dimethylphenol	1	210	U
51-28-5	2,4-Dinitrophenol	1	400	U
121-14-2	2,4-Dinitrotoluene	1	210	U
606-20-2	2,6-Dinitrotoluene	1	210	U
91-58-7	2-Chloronaphthalene	1	210	U
95-57-8	2-Chlorophenol	1	210	U
91-57-6	2-Methylnaphthalene	1	210	U
95-48-7	2-Methylphenol	1	210	U
88-74-4	2-Nitroaniline	1	400	U
88-75-5	2-Nitrophenol	1	210	U
91-94-1	3,3'-Dichlorobenzidine	1	210	U
99-09-2	3-Nitroaniline	1	400	U
534-52-1	4,6-Dinitro-2-methylphenol	1	400	U
101-55-3	4-Bromophenyl phenyl ether	1	210	U
59-50-7	4-Chloro-3-methylphenol	1	210	U
106-47-8	4-Chloroaniline	1	210	U
7005-72-3	4-Chlorophenyl phenyl ether	1	210	U
106-44-5	4-Methylphenol	1	400	U
100-01-6	4-Nitroaniline	1	400	U
100-02-7	4-Nitrophenol	1	400	U
83-32-9	Acenaphthene	1	210	U
208-96-8	Acenaphthylene	1	210	U
98-86-2	Acetophenone	1	210	U
120-12-7	Anthracene	1	210	U
1912-24-9	Atrazine	1	210	U
100-52-7	Benzaldehyde	1	210	U
56-55-3	Benzo(a)anthracene	1	210	U
50-32-8	Benzo(a)pyrene	1	210	U
205-99-2	Benzo(b)fluoranthene	1	210	U
191-24-2	Benzo(ghi)perylene	1	210	U
207-08-9	Benzo(k)fluoranthene	1	210	U
92-52-4	Biphenyl	1	210	U
111-91-1	Bis(2-chloroethoxy)methane	1	210	U
111-44-4	Bis(2-chloroethyl)ether	1	210	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	210	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

SP-8-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-08	File ID:	X5316.D
Sampled:	12/06/10 13:00	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 03:26
Solids:	81.04	Preparation:	3550B MB	Initial/Final:	30.39 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	210	U
105-60-2	Caprolactam	1	210	U
86-74-8	Carbazole	1	210	U
218-01-9	Chrysene	1	210	U
53-70-3	Dibenzo(a,h)anthracene	1	210	U
132-64-9	Dibenzofuran	1	210	U
84-66-2	Diethyl phthalate	1	210	U
131-11-3	Dimethyl phthalate	1	210	U
84-74-2	Di-n-butyl phthalate	1	210	U
117-84-0	Di-n-octyl phthalate	1	210	U
206-44-0	Fluoranthene	1	210	U
86-73-7	Fluorene	1	210	U
118-74-1	Hexachlorobenzene	1	210	U
87-68-3	Hexachlorobutadiene	1	210	U
77-47-4	Hexachlorocyclopentadiene	1	210	U
67-72-1	Hexachloroethane	1	210	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	210	U
78-59-1	Isophorone	1	210	U
91-20-3	Naphthalene	1	210	U
98-95-3	Nitrobenzene	1	210	U
621-64-7	N-Nitrosodi-n-propylamine	1	210	U
86-30-6	N-Nitrosodiphenylamine	1	210	U
87-86-5	Pentachlorophenol	1	400	U
85-01-8	Phenanthrene	1	210	U
108-95-2	Phenol	1	210	U
129-00-0	Pyrene	1	210	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6090	6530	107	39 - 146	
2-Fluorobiphenyl	4060	3340	82	37 - 120	
2-Fluorophenol	6090	4270	70	18 - 120	
Nitrobenzene-d5	4060	3240	80	34 - 132	
Phenol-d5	6090	4730	78	11 - 120	
p-Terphenyl-d14	4060	3490	86	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	71977	6.01	75436	6	
Acenaphthene-d10	153002	9.6	164135	9.6	
Chrysene-d12	340457	13.59	340849	13.6	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-8-4-6

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-08	File ID:	X5316.D
Sampled:	12/06/10 13:00	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 03:26
Solids:	81.04	Preparation:	3550B MB	Initial/Final:	30.39 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8	274490	7.54	283821	7.54	
Perylene-d12	406135	14.81	402421	14.81	
Phenanthrene-d10	260953	11.2	278314	11.2	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5316.D Vial: 16
Acq On : 8 Dec 2010 3:26 Operator: JLG
Sample : RTL0572-08 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:33:31 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.01	152	71977	40.00	ng	0.00 95.41%
21) CI40 Naphthalene-d8	7.54	136	274490	40.00	ng	0.00 96.71%
37) CI50 Acenaphthene-d10	9.60	164	153002	40.00	ng	0.00 93.22%
58) CI60 Phenanthrene-d10	11.20	188	260953	40.00	ng	0.00 93.76%
70) CI70 Chrysene-d12	13.59	240	340457	40.00	ng	0.00 99.88%
80) CI75 Perylene-d12	14.81	264	406135	40.00	ng	0.00 100.92%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.34	112	293110	105.14	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 70.09%			
6) CS45 Phenol-d5	5.58	99	391866	116.59	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 77.73%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.68	82	219664	79.92	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 79.92%			
41) CS25 2-Fluorobiphenyl	8.82	172	399627	82.36	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 82.36%			
61) CS55 2,4,6-Tribromophenol	10.49	330	110600	160.80	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 107.20%			
73) CS30 Terphenyl-d14	12.68	244	527033	85.88	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 85.88%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.
3) E100 Pyridine	0.00	79	0	N.D.
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.
8) C315 Phenol	0.00	94	0	N.D.
9) C330 2-Chlorophenol	0.00	128	0	N.D.
10) C320 aniline	0.00	93	0	N.D.
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.
15) C345 Benzyl alcohol	0.00	108	0	N.D.
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.
17) C355 2-Methylphenol	0.00	108	0	N.D.
18) C375 Hexachloroethane	0.00	117	0	N.D.
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.
20) C365 4-Methylphenol	0.00	108	0	N.D.
23) C410 Nitrobenzene	0.00	77	0	N.D.
24) C415 Isophorone	0.00	82	0	N.D.
25) C011 Tetraethyl Lead	0.00	237	0	N.D.
26) C430 benzoic acid	0.00	122	0	N.D.
27) C420 2-Nitrophenol	0.00	139	0	N.D.
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5316.D Vial: 16
Acq On : 8 Dec 2010 3:26 Operator: JLG
Sample : RTL0572-08 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:33:31 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.		
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.		
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.		
32) C450 Naphthalene	0.00	128	0	N.D.		
33) C455 4-Chloroaniline	0.00	127	0	N.D.		
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.		
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.		
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.		
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.		
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.		
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.		
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.		
43) C530 2-Nitroaniline	0.00	65	0	N.D.		
44) C540 Acenaphthylene	0.00	152	0	N.D.		
45) C535 Dimethylphthalate	0.00	163	0	N.D.		
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.		
47) C550 Acenaphthene	0.00	153	0	N.D.		
48) C545 3-Nitroaniline	0.00	138	0	N.D.		
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.		
50) C565 Dibenzofuran	0.00	168	0	N.D.		
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D.	d	
52) C560 4-Nitrophenol	0.00	109	0	N.D.		
53) C590 Fluorene	0.00	166	0	N.D.		
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.		
55) C580 Diethylphthalate	0.00	149	0	N.D.		
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.		
57) C595 4-Nitroaniline	0.00	138	0	N.D.		
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.		
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.		
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.		
63) C630 Hexachlorobenzene	0.00	284	0	N.D.		
64) C635 Pentachlorophenol	0.00	266	0	N.D.		
65) C640 Phenanthrene	0.00	178	0	N.D.		
66) C645 Anthracene	0.00	178	0	N.D.		
67) C647 carbazole	0.00	167	0	N.D.		
68) C650 Di-n-butylphthalate	0.00	149	0	N.D.	d	
69) C655 Fluoranthene	0.00	202	0	N.D.		
71) C715 Pyrene	0.00	202	0	N.D.		
72) C710 benzidine	0.00	184	0	N.D.		
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.		
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.		
76) C730 Benzo[a]anthracene	0.00	228	0	N.D.		
77) C735 Chrysene	0.00	228	0	N.D.		
78) C740 bis(2-Ethylhexyl)ph	13.60	149	2762	N.D.		
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.		
81) C765 Benzo[b]fluoranthen	0.00	252	0	N.D.		
82) C770 Benzo[k]fluoranthen	0.00	252	0	N.D.		
83) C775 Benzo[a]pyrene	0.00	252	0	N.D.		
84) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.		
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.		
86) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.		

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5316.D Vial: 16
Acq On : 8 Dec 2010 3:26 Operator: JLG
Sample : RTL0572-08 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:33:31 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5316.D
Acq On : 8 Dec 2010 3:26
Sample : RTL0572-08
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:39:33 2010

Vial: 16
Operator: JLG
Inst : HP5973X
Multiplr: 1.00
Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:38:24 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

GLMP 12/10/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.01	152	71977	40.00	ng	0.00 82.22%
4) CI40 Naphthalene-d8	7.54	136	274490	40.00	ng	0.00 90.25%
7) CI50 Acenaphthene-d8	9.60	164	153002	40.00	ng	0.00 93.80%
10) CI60 Phenanthrene-d10	11.20	188	260953	40.00	ng	0.00 94.48%
12) CI70 Chrysene-d12	13.59	240	340457	40.00	ng	0.00 100.22%
13) CI75 Perylene-d12	14.81	264	406135	40.00	ng	0.00 110.01%

Target Compounds					Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	
3) E145 Acetophenone	0.00	105	0	N.D.	
5) E655 Caprolactam	0.00	113	0	N.D.	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.	
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.	
11) E510 Atrazine	0.00	200	0	N.D.	

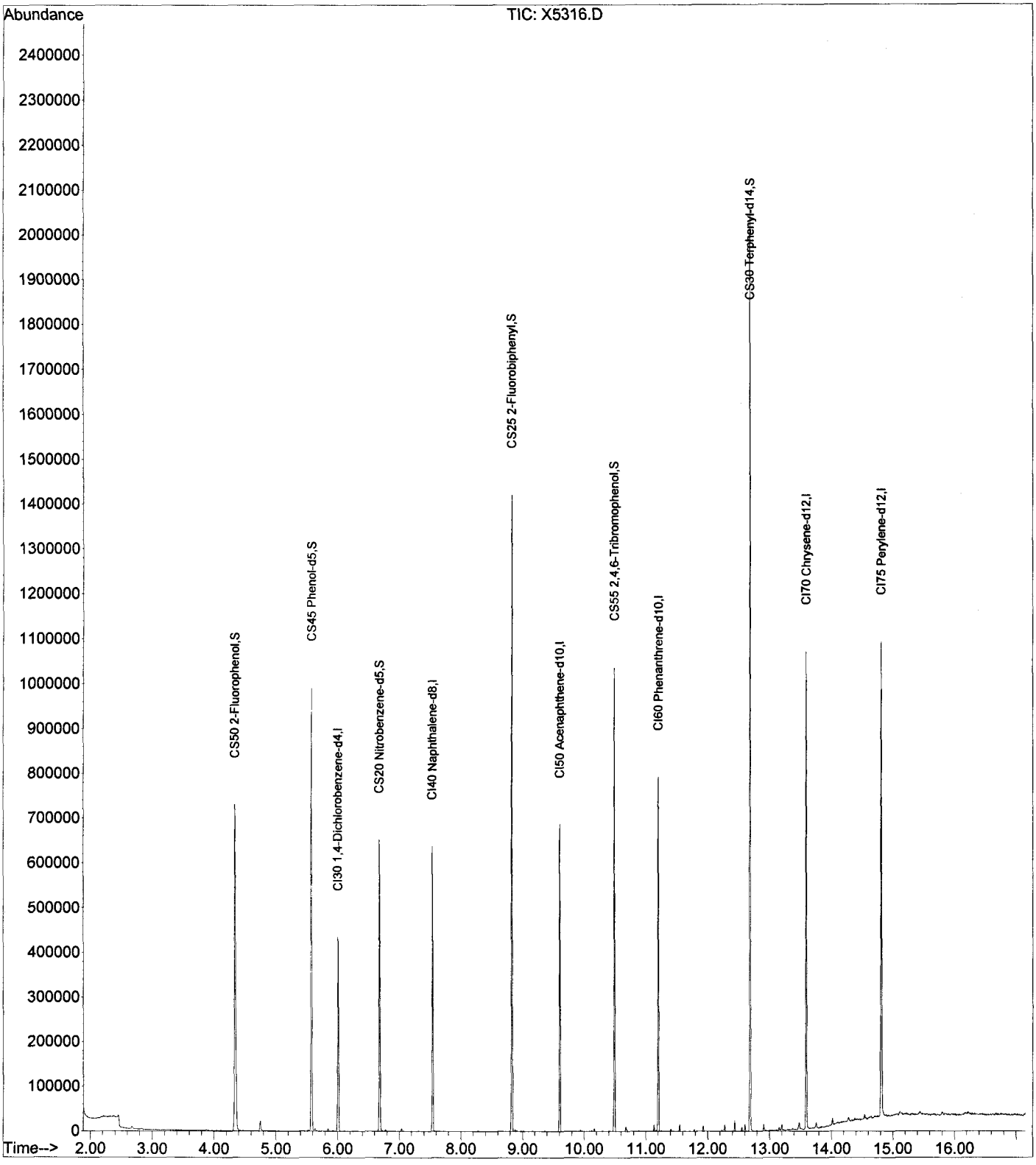
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5316.D
Acq On : 8 Dec 2010 3:26
Sample : RTL0572-08
Misc :
MS Integration Params: NA

Vial: 16
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 09 12:33:31 2010 Results File: 8270_R10K083.RES
Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120710\X5316.D
Acq On : 8 Dec 2010 3:26
Sample : RTL0572-08
Misc :
MS Integration Params: LSCINT.P

Vial: 166
Operator: JLGG
Inst : HP5973XX
Multiplr: 1.000

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Library : C:\DATABASE\NIST02.L

No Library Search Compounds Detected
****

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-9-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-09	File ID:	X5336.D
Sampled:	12/06/10 13:40	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 12:41
Solids:	77.64	Preparation:	3550B MB	Initial/Final:	30.74 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	210	U
95-95-4	2,4,5-Trichlorophenol	1	210	U
88-06-2	2,4,6-Trichlorophenol	1	210	U
120-83-2	2,4-Dichlorophenol	1	210	U
105-67-9	2,4-Dimethylphenol	1	210	U
51-28-5	2,4-Dinitrophenol	1	410	U
121-14-2	2,4-Dinitrotoluene	1	210	U
606-20-2	2,6-Dinitrotoluene	1	210	U
91-58-7	2-Chloronaphthalene	1	210	U
95-57-8	2-Chlorophenol	1	210	U
91-57-6	2-Methylnaphthalene	1	210	U
95-48-7	2-Methylphenol	1	210	U
88-74-4	2-Nitroaniline	1	410	U
88-75-5	2-Nitrophenol	1	210	U
91-94-1	3,3'-Dichlorobenzidine	1	210	U
99-09-2	3-Nitroaniline	1	410	U
534-52-1	4,6-Dinitro-2-methylphenol	1	410	U
101-55-3	4-Bromophenyl phenyl ether	1	210	U
59-50-7	4-Chloro-3-methylphenol	1	210	U
106-47-8	4-Chloroaniline	1	210	U
7005-72-3	4-Chlorophenyl phenyl ether	1	210	U
106-44-5	4-Methylphenol	1	410	U
100-01-6	4-Nitroaniline	1	410	U
100-02-7	4-Nitrophenol	1	410	U
83-32-9	Acenaphthene	1	210	U
208-96-8	Acenaphthylene	1	210	U
98-86-2	Acetophenone	1	210	U
120-12-7	Anthracene	1	210	U
1912-24-9	Atrazine	1	210	U
100-52-7	Benzaldehyde	1	210	U
56-55-3	Benzo(a)anthracene	1	210	U
50-32-8	Benzo(a)pyrene	1	210	U
205-99-2	Benzo(b)fluoranthene	1	210	U
191-24-2	Benzo(ghi)perylene	1	210	U
207-08-9	Benzo(k)fluoranthene	1	210	U
92-52-4	Biphenyl	1	210	U
111-91-1	Bis(2-chloroethoxy)methane	1	210	U
111-44-4	Bis(2-chloroethyl)ether	1	210	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	100	J

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-9-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-09	File ID:	X5336.D
Sampled:	12/06/10 13:40	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 12:41
Solids:	77.64	Preparation:	3550B MB	Initial/Final:	30.74 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	210	U
105-60-2	Caprolactam	1	210	U
86-74-8	Carbazole	1	210	U
218-01-9	Chrysene	1	210	U
53-70-3	Dibenzo(a,h)anthracene	1	210	U
132-64-9	Dibenzofuran	1	210	U
84-66-2	Diethyl phthalate	1	210	U
131-11-3	Dimethyl phthalate	1	210	U
84-74-2	Di-n-butyl phthalate	1	210	U
117-84-0	Di-n-octyl phthalate	1	210	U
206-44-0	Fluoranthene	1	210	U
86-73-7	Fluorene	1	210	U
118-74-1	Hexachlorobenzene	1	210	U
87-68-3	Hexachlorobutadiene	1	210	U
77-47-4	Hexachlorocyclopentadiene	1	210	U
67-72-1	Hexachloroethane	1	210	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	210	U
78-59-1	Isophorone	1	210	U
91-20-3	Naphthalene	1	210	U
98-95-3	Nitrobenzene	1	210	U
621-64-7	N-Nitrosodi-n-propylamine	1	210	U
86-30-6	N-Nitrosodiphenylamine	1	210	U
87-86-5	Pentachlorophenol	1	410	U
85-01-8	Phenanthrene	1	210	U
108-95-2	Phenol	1	210	U
129-00-0	Pyrene	1	210	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6290	7570	120	39 - 146	
2-Fluorobiphenyl	4190	3470	83	37 - 120	
2-Fluorophenol	6290	4190	67	18 - 120	
Nitrobenzene-d5	4190	3250	78	34 - 132	
Phenol-d5	6290	4720	75	11 - 120	
p-Terphenyl-d14	4190	3650	87	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	72823	5.99	97150	5.99	
Acenaphthene-d10	157640	9.59	204736	9.59	
Chrysene-d12	376624	13.58	416640	13.58	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-9-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-09	File ID:	X5336.D
Sampled:	12/06/10 13:40	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 12:41
Solids:	77.64	Preparation:	3550B MB	Initial/Final:	30.74 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8	276575	7.53	352894	7.53	
Perylene-d12	462578	14.8	500422	14.8	
Phenanthrene-d10	270696	11.19	344124	11.19	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5336.D Vial: 8
Acq On : 8 Dec 2010 12:41 Operator: MKP
Sample : RTL0572-09 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:55:34 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	72823	40.00	ng	0.00 74.96%
21) CI40 Naphthalene-d8	7.53	136	276575	40.00	ng	0.00 78.37%
37) CI50 Acenaphthene-d10	9.59	164	157640	40.00	ng	0.00 77.00%
58) CI60 Phenanthrene-d10	11.19	188	270696	40.00	ng	0.00 78.66%
70) CI70 Chrysene-d12	13.58	240	376624	40.00	ng	0.00 90.40%
80) CI75 Perylene-d12	14.80	264	462578	40.00	ng	0.00 92.44%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.32	112	281788	99.91	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 66.61%			
6) CS45 Phenol-d5	5.56	99	383023	112.64	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 75.09%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.67	82	214808	77.56	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 77.56%			
41) CS25 2-Fluorobiphenyl	8.81	172	413653	82.75	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 82.75%			
61) CS55 2,4,6-Tribromophenol	10.48	330	128872	180.63	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 120.42%			
73) CS30 Terphenyl-d14	12.68	244	590976	87.05	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 87.05%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.
3) E100 Pyridine	0.00	79	0	N.D.
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.
8) C315 Phenol	0.00	94	0	N.D.
9) C330 2-Chlorophenol	0.00	128	0	N.D.
10) C320 aniline	0.00	93	0	N.D.
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.
15) C345 Benzyl alcohol	0.00	108	0	N.D.
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.
17) C355 2-Methylphenol	0.00	108	0	N.D.
18) C375 Hexachloroethane	0.00	117	0	N.D.
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.
20) C365 4-Methylphenol	0.00	108	0	N.D.
23) C410 Nitrobenzene	0.00	77	0	N.D.
24) C415 Isophorone	0.00	82	0	N.D.
25) C011 Tetraethyl Lead	0.00	237	0	N.D.
26) C430 benzoic acid	0.00	122	0	N.D.
27) C420 2-Nitrophenol	0.00	139	0	N.D.
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.

Data File : D:\DATA\120810\X5336.D Vial: 8
Acq On : 8 Dec 2010 12:41 Operator: MKP
Sample : RTL0572-09 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:55:34 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.	
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.	
32) C450 Naphthalene	0.00	128	0	N.D.	
33) C455 4-Chloroaniline	0.00	127	0	N.D.	
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.	
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.	
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.	
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.	
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.	
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.	
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.	
43) C530 2-Nitroaniline	0.00	65	0	N.D.	
44) C540 Acenaphthylene	0.00	152	0	N.D.	
45) C535 Dimethylphthalate	0.00	163	0	N.D.	
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.	
47) C550 Acenaphthene	0.00	153	0	N.D.	
48) C545 3-Nitroaniline	0.00	138	0	N.D.	
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
50) C565 Dibenzofuran	0.00	168	0	N.D.	
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
52) C560 4-Nitrophenol	0.00	109	0	N.D.	
53) C590 Fluorene	0.00	166	0	N.D.	
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.	
55) C580 Diethylphthalate	0.00	149	0	N.D.	
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.	
57) C595 4-Nitroaniline	0.00	138	0	N.D.	
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.	
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.	
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.	
63) C630 Hexachlorobenzene	0.00	284	0	N.D.	
64) C635 Pentachlorophenol	0.00	266	0	N.D.	
65) C640 Phenanthrene	0.00	178	0	N.D.	
66) C645 Anthracene	0.00	178	0	N.D.	
67) C647 carbazole	0.00	167	0	N.D.	
68) C650 Di-n-butylphthalate	11.77	149	9548	1.35 ng	99
69) C655 Fluoranthene	12.33	202	2106	N.D.	
71) C715 Pyrene	0.00	202	0	N.D.	
72) C710 benzidine	0.00	184	0	N.D.	
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.	
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.	
76) C730 Benzo[a]anthracene	0.00	228	0	N.D.	
77) C735 Chrysene	0.00	228	0	N.D.	
78) C740 bis(2-Ethylhexyl)phth	13.58	149	11612	2.38 ng	96
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.	
81) C765 Benzo[b]fluoranthen	14.47	252	3873	N.D.	
82) C770 Benzo[k]fluoranthen	14.47	252	3873	N.D.	
83) C775 Benzo[a]pyrene	14.80	252	2364	N.D.	
84) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.	
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.	
86) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5336.D Vial: 8
Acq On : 8 Dec 2010 12:41 Operator: MKP
Sample : RTL0572-09 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:55:34 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5336.D Vial: 8
Acq On : 8 Dec 2010 12:41 Operator: MKP
Sample : RTL0572-09 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:58:03 2010 Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:57:39 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5327.D (8 Dec 2010 9:15)

12/09/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	72823	40.00	ng	0.00 84.53%
4) CI40 Naphthalene-d8	7.53	136	276575	40.00	ng	0.00 94.69%
7) CI50 Acenaphthene-d8	9.59	164	157640	40.00	ng	0.00 98.71%
10) CI60 Phenanthrene-d10	11.19	188	270696	40.00	ng	0.00 101.97%
12) CI70 Chrysene-d12	13.58	240	376624	40.00	ng	0.00 110.44%
13) CI75 Perylene-d12	14.80	264	462578	40.00	ng	0.00 123.65%

Target Compounds					Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	
3) E145 Acetophenone	0.00	105	0	N.D.	
5) E655 Caprolactam	0.00	113	0	N.D.	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.	
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.	
11) E510 Atrazine	0.00	200	0	N.D.	

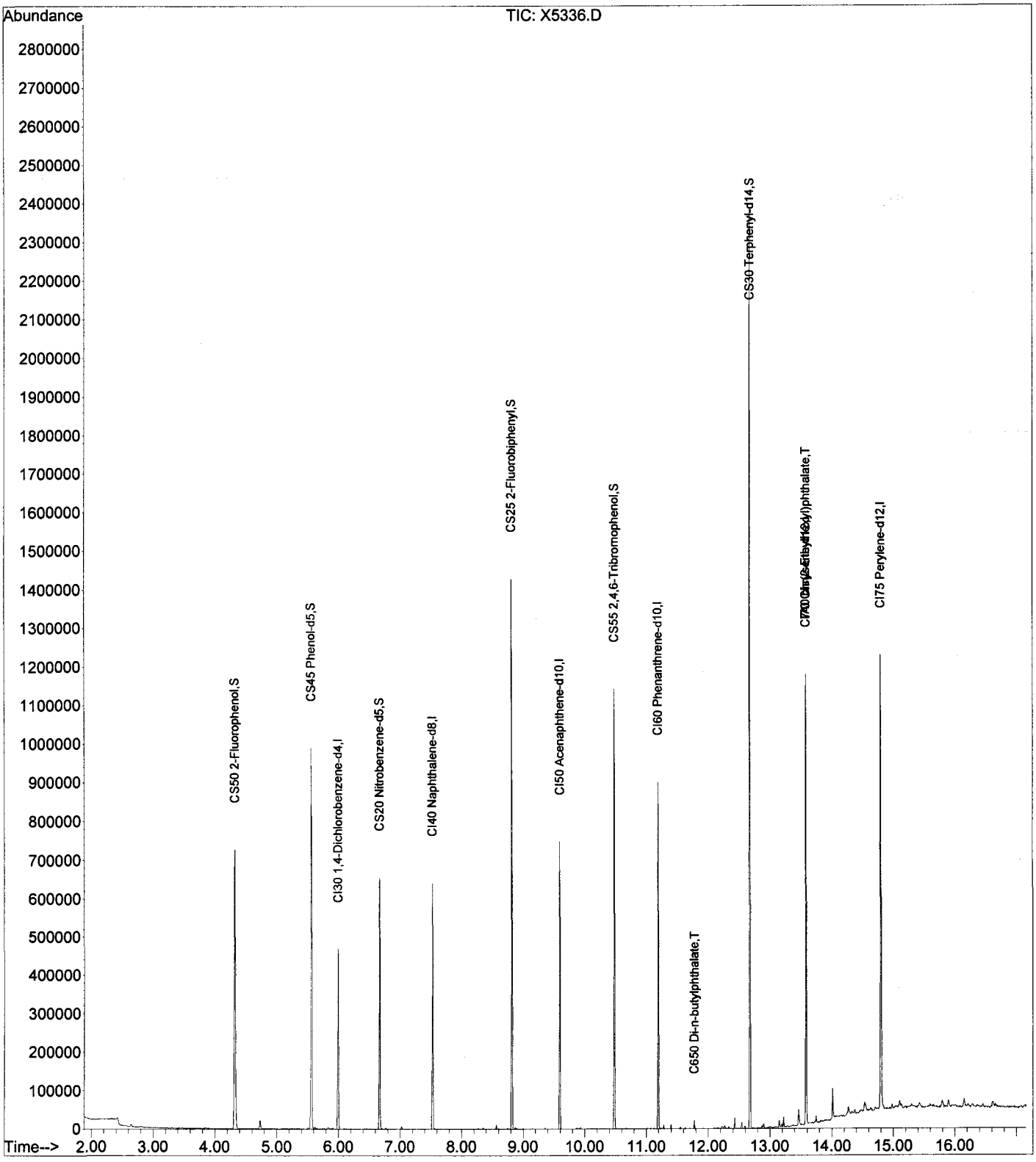
(#) = qualifier out of range (m) = manual integration (+) = signals summed

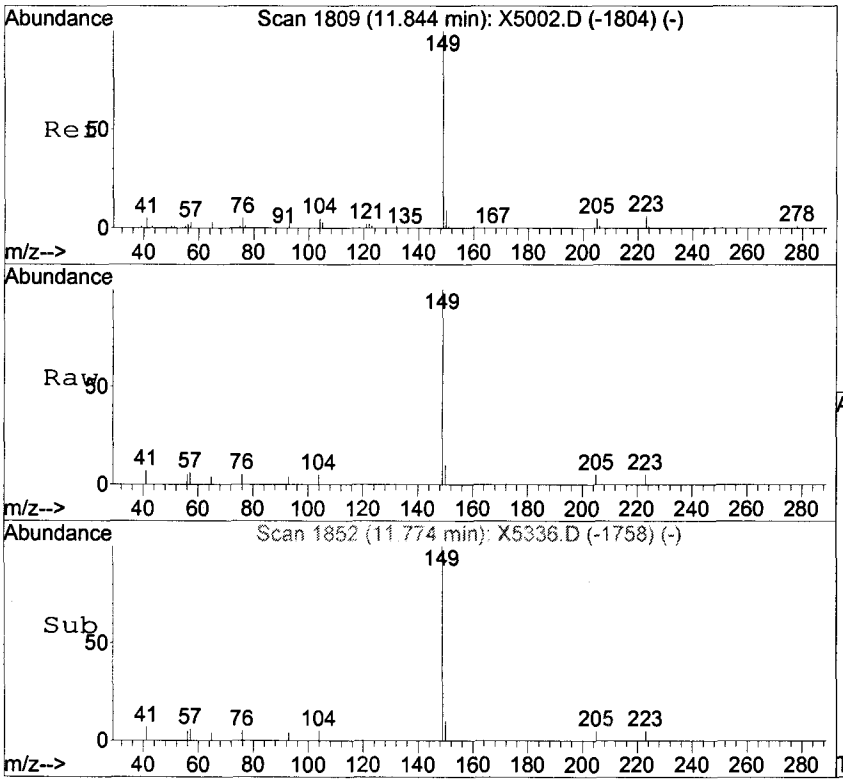
Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5336.D
Acq On : 8 Dec 2010 12:41
Sample : RTL0572-09
Misc :
MS Integration Params: rteint.p

Vial: 8
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 09 12:55:34 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

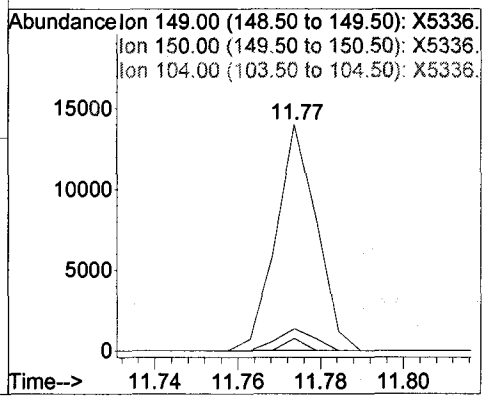


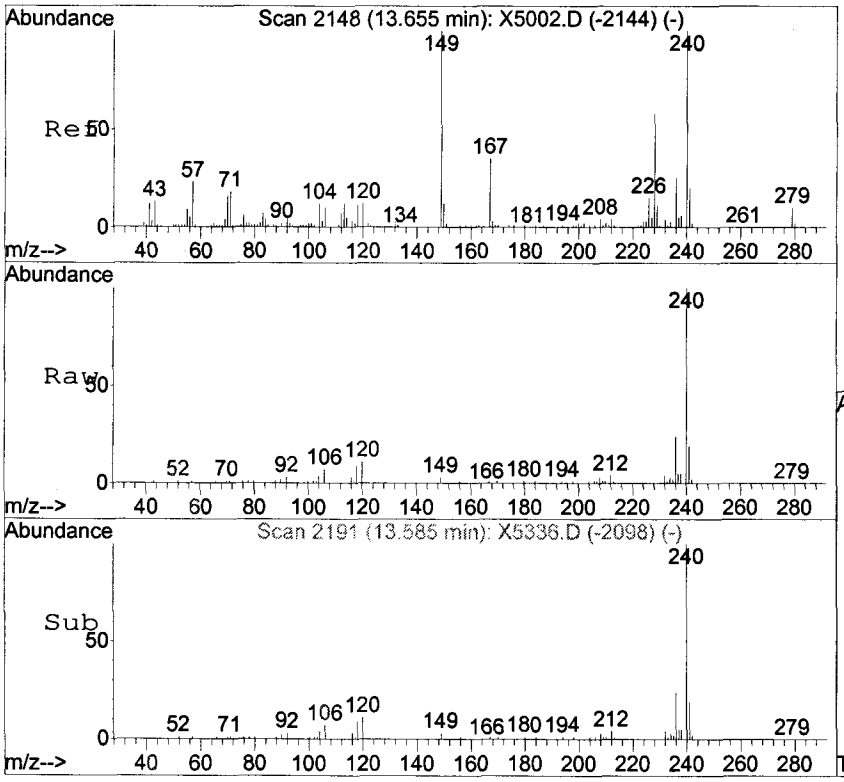


#68
C650 Di-n-butylphthalate
Concen: 1.35 ng
RT: 11.77 min Scan# 1852
Delta R.T. 0.00 min
Lab File: X5336.D
Acq: 8 Dec 2010 12:41

Tgt Ion:149 Resp: 9548

Ion	Ratio	Lower	Upper
149	100		
150	9.6	0.0	29.0
104	5.3	0.0	25.3

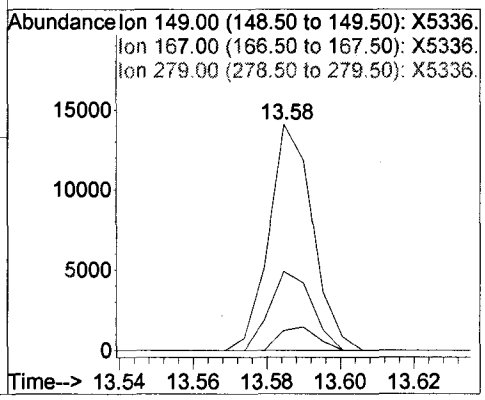




#78
C740 bis(2-Ethylhexyl)phthalate
Concen: 2.38 ng
RT: 13.58 min Scan# 2191
Delta R.T. -0.01 min
Lab File: X5336.D
Acq: 8 Dec 2010 12:41

Tgt Ion:149 Resp: 11612

Ion	Ratio	Lower	Upper
149	100		
167	34.7	16.2	56.2
279	8.6	0.0	31.4



Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120810\X5336.D
Acq On : 8 Dec 2010 12:41
Sample : RTL0572-09
Misc :
MS Integration Params: LSCINT.P

Vial: 88
Operator: MKPP
Inst : HP5973XX
Multiplr: 1.000

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Library : C:\DATABASE\NIST02.L

No Library Search Compounds Detected
****

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-10-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-10	File ID:	X5337.D
Sampled:	12/06/10 14:15	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 13:04
Solids:	79.40	Preparation:	3550B MB	Initial/Final:	30.86 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	210	U
95-95-4	2,4,5-Trichlorophenol	1	210	U
88-06-2	2,4,6-Trichlorophenol	1	210	U
120-83-2	2,4-Dichlorophenol	1	210	U
105-67-9	2,4-Dimethylphenol	1	210	U
51-28-5	2,4-Dinitrophenol	1	400	U
121-14-2	2,4-Dinitrotoluene	1	210	U
606-20-2	2,6-Dinitrotoluene	1	210	U
91-58-7	2-Chloronaphthalene	1	210	U
95-57-8	2-Chlorophenol	1	210	U
91-57-6	2-Methylnaphthalene	1	210	U
95-48-7	2-Methylphenol	1	210	U
88-74-4	2-Nitroaniline	1	400	U
88-75-5	2-Nitrophenol	1	210	U
91-94-1	3,3'-Dichlorobenzidine	1	210	U
99-09-2	3-Nitroaniline	1	400	U
534-52-1	4,6-Dinitro-2-methylphenol	1	400	U
101-55-3	4-Bromophenyl phenyl ether	1	210	U
59-50-7	4-Chloro-3-methylphenol	1	210	U
106-47-8	4-Chloroaniline	1	210	U
7005-72-3	4-Chlorophenyl phenyl ether	1	210	U
106-44-5	4-Methylphenol	1	400	U
100-01-6	4-Nitroaniline	1	400	U
100-02-7	4-Nitrophenol	1	400	U
83-32-9	Acenaphthene	1	210	U
208-96-8	Acenaphthylene	1	210	U
98-86-2	Acetophenone	1	210	U
120-12-7	Anthracene	1	210	U
1912-24-9	Atrazine	1	210	U
100-52-7	Benzaldehyde	1	210	U
56-55-3	Benzo(a)anthracene	1	210	U
50-32-8	Benzo(a)pyrene	1	210	U
205-99-2	Benzo(b)fluoranthene	1	13	J
191-24-2	Benzo(ghi)perylene	1	210	U
207-08-9	Benzo(k)fluoranthene	1	210	U
92-52-4	Biphenyl	1	210	U
111-91-1	Bis(2-chloroethoxy)methane	1	210	U
111-44-4	Bis(2-chloroethyl)ether	1	210	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	210	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

SP-10-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-10	File ID:	X5337.D
Sampled:	12/06/10 14:15	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 13:04
Solids:	79.40	Preparation:	3550B MB	Initial/Final:	30.86 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	210	U
105-60-2	Caprolactam	1	210	U
86-74-8	Carbazole	1	210	U
218-01-9	Chrysene	1	210	U
53-70-3	Dibenzo(a,h)anthracene	1	210	U
132-64-9	Dibenzofuran	1	210	U
84-66-2	Diethyl phthalate	1	210	U
131-11-3	Dimethyl phthalate	1	210	U
84-74-2	Di-n-butyl phthalate	1	210	U
117-84-0	Di-n-octyl phthalate	1	210	U
206-44-0	Fluoranthene	1	22	J
86-73-7	Fluorene	1	210	U
118-74-1	Hexachlorobenzene	1	210	U
87-68-3	Hexachlorobutadiene	1	210	U
77-47-4	Hexachlorocyclopentadiene	1	210	U
67-72-1	Hexachloroethane	1	210	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	210	U
78-59-1	Isophorone	1	210	U
91-20-3	Naphthalene	1	210	U
98-95-3	Nitrobenzene	1	210	U
621-64-7	N-Nitrosodi-n-propylamine	1	210	U
86-30-6	N-Nitrosodiphenylamine	1	210	U
87-86-5	Pentachlorophenol	1	400	U
85-01-8	Phenanthrene	1	210	U
108-95-2	Phenol	1	210	U
129-00-0	Pyrene	1	14	J

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
none	Unknown01	14.012	220	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6120	6980	114	39 - 146	
2-Fluorobiphenyl	4080	3110	76	37 - 120	
2-Fluorophenol	6120	3820	62	18 - 120	
Nitrobenzene-d5	4080	2880	70	34 - 132	
Phenol-d5	6120	4360	71	11 - 120	
p-Terphenyl-d14	4080	3330	82	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	70891	5.99	97150	5.99	
Acenaphthene-d10	156309	9.59	204736	9.59	
Chrysene-d12	378441	13.58	416640	13.58	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-10-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-10	File ID:	X5337.D
Sampled:	12/06/10 14:15	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 13:04
Solids:	79.40	Preparation:	3550B MB	Initial/Final:	30.86 g / 1 mL
Batch:	10L0497	Sequence:	T005575	Calibration:	R10K083
Instrument:	HP5973X				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8	271839	7.53	352894	7.53	
Perylene-d12	457497	14.8	500422	14.8	
Phenanthrene-d10	266010	11.19	344124	11.19	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5337.D Vial: 9
Acq On : 8 Dec 2010 13:04 Operator: MKP
Sample : RTL0572-10 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:56:02 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	70891	40.00	ng	0.00 72.97%
21) CI40 Naphthalene-d8	7.53	136	271839	40.00	ng	0.00 77.03%
37) CI50 Acenaphthene-d10	9.59	164	156309	40.00	ng	0.00 76.35%
58) CI60 Phenanthrene-d10	11.19	188	266010	40.00	ng	0.00 77.30%
70) CI70 Chrysene-d12	13.58	240	378441	40.00	ng	0.00 90.83%
80) CI75 Perylene-d12	14.80	264	457497	40.00	ng	0.00 91.42%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.32	112	257130	93.65	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 62.43%			
6) CS45 Phenol-d5	5.56	99	353410	106.76	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 71.17%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.67	82	191875	70.49	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 70.49%			
41) CS25 2-Fluorobiphenyl	8.81	172	377340	76.13	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 76.13%			
61) CS55 2,4,6-Tribromophenol	10.48	330	119980	171.13	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 114.09%			
73) CS30 Terphenyl-d14	12.68	244	556632	81.60	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 81.60%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.
3) E100 Pyridine	0.00	79	0	N.D.
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.
8) C315 Phenol	0.00	94	0	N.D.
9) C330 2-Chlorophenol	0.00	128	0	N.D.
10) C320 aniline	0.00	93	0	N.D.
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.
15) C345 Benzyl alcohol	0.00	108	0	N.D.
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.
17) C355 2-Methylphenol	0.00	108	0	N.D.
18) C375 Hexachloroethane	0.00	117	0	N.D.
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.
20) C365 4-Methylphenol	0.00	108	0	N.D.
23) C410 Nitrobenzene	0.00	77	0	N.D.
24) C415 Isophorone	0.00	82	0	N.D.
25) C011 Tetraethyl Lead	0.00	237	0	N.D.
26) C430 benzoic acid	0.00	122	0	N.D.
27) C420 2-Nitrophenol	0.00	139	0	N.D.
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5337.D Vial: 9
Acq On : 8 Dec 2010 13:04 Operator: MKP
Sample : RTL0572-10 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:56:02 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.			
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.			
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.			
32) C450 Naphthalene	0.00	128	0	N.D.			
33) C455 4-Chloroaniline	0.00	127	0	N.D.			
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.			
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.			
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.			
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.			
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.			
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.			
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.			
43) C530 2-Nitroaniline	0.00	65	0	N.D.			
44) C540 Acenaphthylene	0.00	152	0	N.D.			
45) C535 Dimethylphthalate	0.00	163	0	N.D.			
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.			
47) C550 Acenaphthene	0.00	153	0	N.D.			
48) C545 3-Nitroaniline	0.00	138	0	N.D.			
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.			
50) C565 Dibenzofuran	0.00	168	0	N.D.			
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D.	d		
52) C560 4-Nitrophenol	0.00	109	0	N.D.			
53) C590 Fluorene	0.00	166	0	N.D.			
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.			
55) C580 Diethylphthalate	0.00	149	0	N.D.			
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.			
57) C595 4-Nitroaniline	0.00	138	0	N.D.			
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.			
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.			
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.			
63) C630 Hexachlorobenzene	0.00	284	0	N.D.			
64) C635 Pentachlorophenol	0.00	266	0	N.D.			
65) C640 Phenanthrene	11.21	178	2771	N.D.			
66) C645 Anthracene	0.00	178	0	N.D.	d		
67) C647 carbazole	0.00	167	0	N.D.			
68) C650 Di-n-butylphthalate	0.00	149	0	N.D.	d		
69) C655 Fluoranthene	12.33	202	4238	0.53	ng		90
71) C715 Pyrene	12.53	202	3198	0.35	ng		98
72) C710 benzidine	0.00	184	0	N.D.			
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.			
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.			
76) C730 Benzo[a]anthracene	13.57	228	2969	N.D.			
77) C735 Chrysene	13.57	228	2969	N.D.			
78) C740 bis(2-Ethylhexyl)ph	13.58	149	3545	N.D.			
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.			
81) C765 Benzo[b]fluoranthen	14.47	252	3564	~~N.D.~~ .31 ng			
82) C770 Benzo[k]fluoranthen	14.47	252	4735	N.D.			
83) C775 Benzo[a]pyrene	14.74	252	2055	N.D.			
84) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.			
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.			
86) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.			

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5337.D Vial: 9
Acq On : 8 Dec 2010 13:04 Operator: MKP
Sample : RTL0572-10 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:56:02 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5326.D (8 Dec 2010 8:52)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5337.D Vial: 9
Acq On : 8 Dec 2010 13:04 Operator: MKP
Sample : RTL0572-10 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:58:04 2010 Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:57:39 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120810\X5327.D (8 Dec 2010 9:15)

MKP 12/9/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	70891	40.00	ng	0.00 82.29%
4) CI40 Naphthalene-d8	7.53	136	271839	40.00	ng	0.00 93.07%
7) CI50 Acenaphthene-d8	9.59	164	156309	40.00	ng	0.00 97.88%
10) CI60 Phenanthrene-d10	11.19	188	266010	40.00	ng	0.00 100.21%
12) CI70 Chrysene-d12	13.58	240	378441	40.00	ng	0.00 110.98%
13) CI75 Perylene-d12	14.80	264	457497	40.00	ng	0.00 122.29%

Target Compounds					Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	
3) E145 Acetophenone	0.00	105	0	N.D.	
5) E655 Caprolactam	0.00	113	0	N.D.	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.	
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.	
11) E510 Atrazine	0.00	200	0	N.D.	

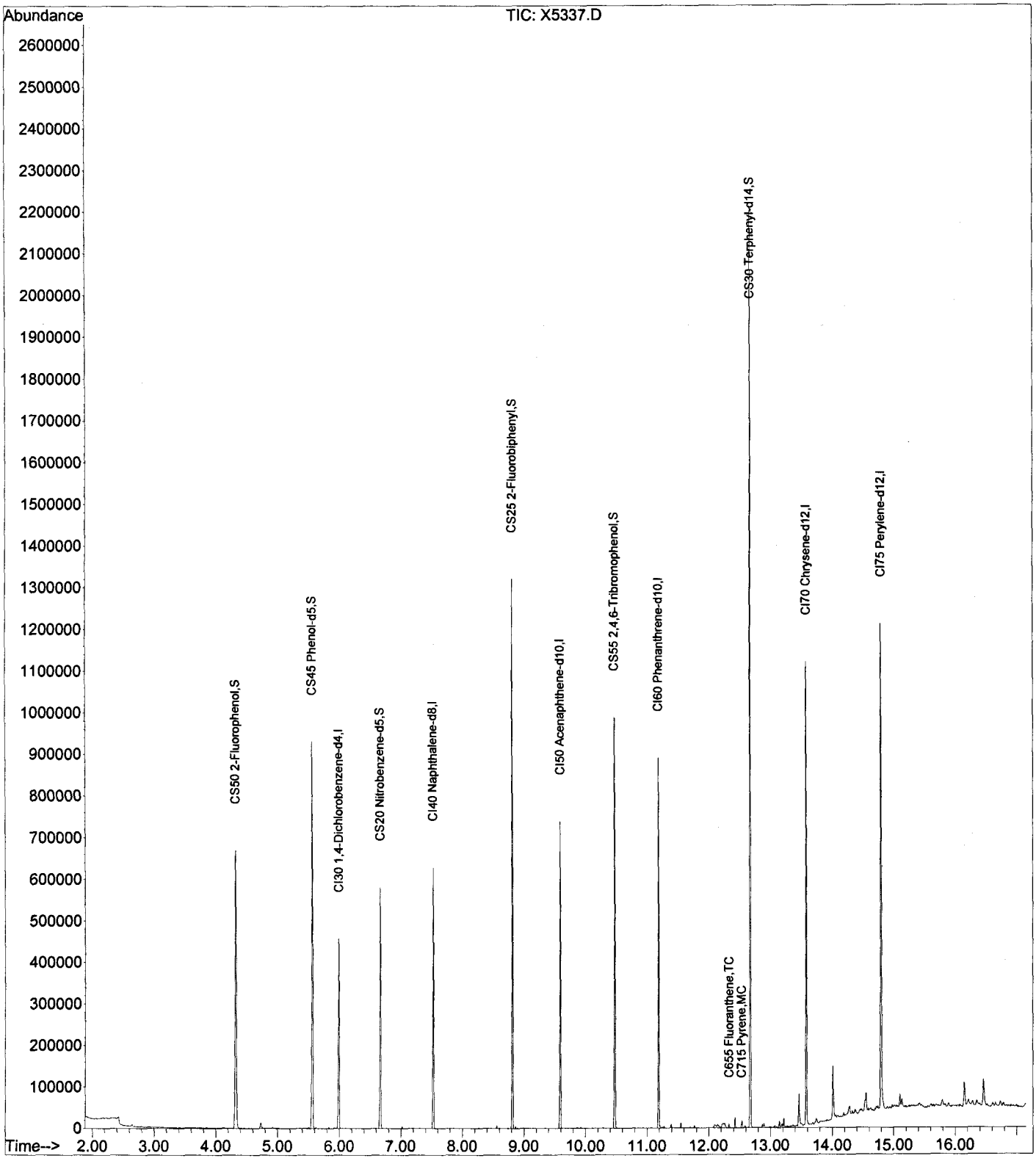
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5337.D
Acq On : 8 Dec 2010 13:04
Sample : RTL0572-10
Misc :
MS Integration Params: rteint.p

Vial: 9
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 09 12:56:02 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 12:51:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

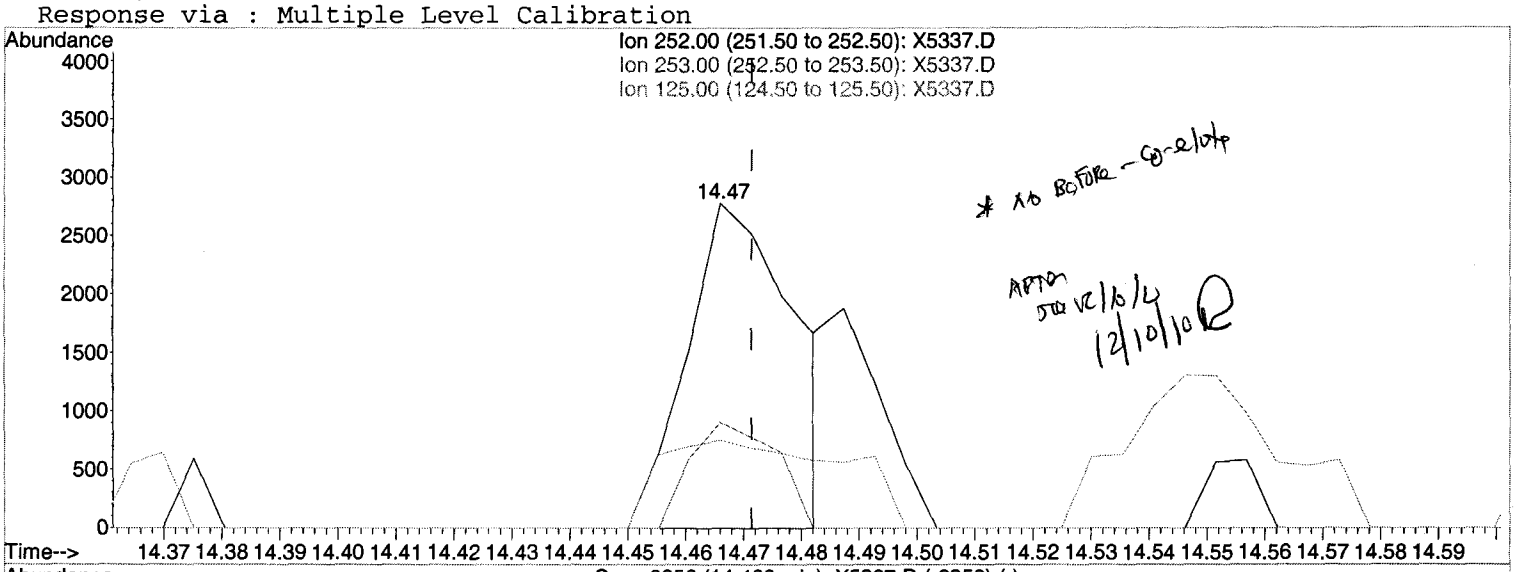


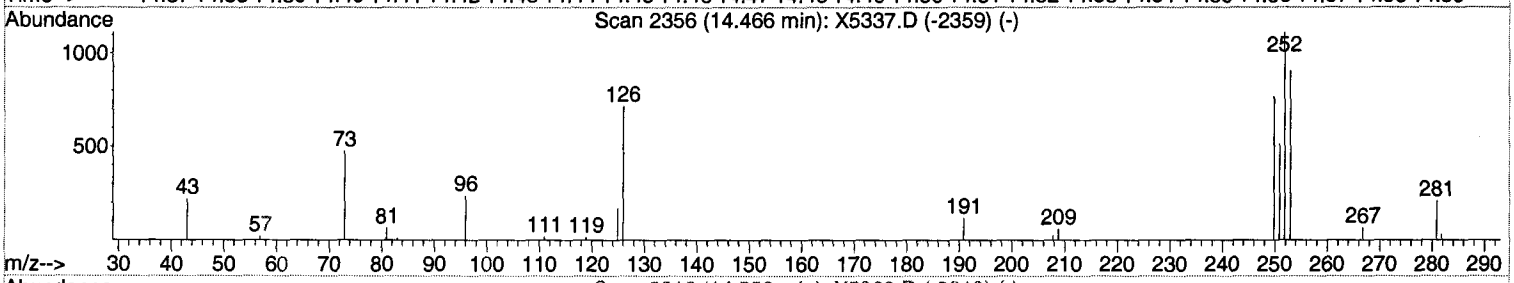
Quantitation Report (Qedit)

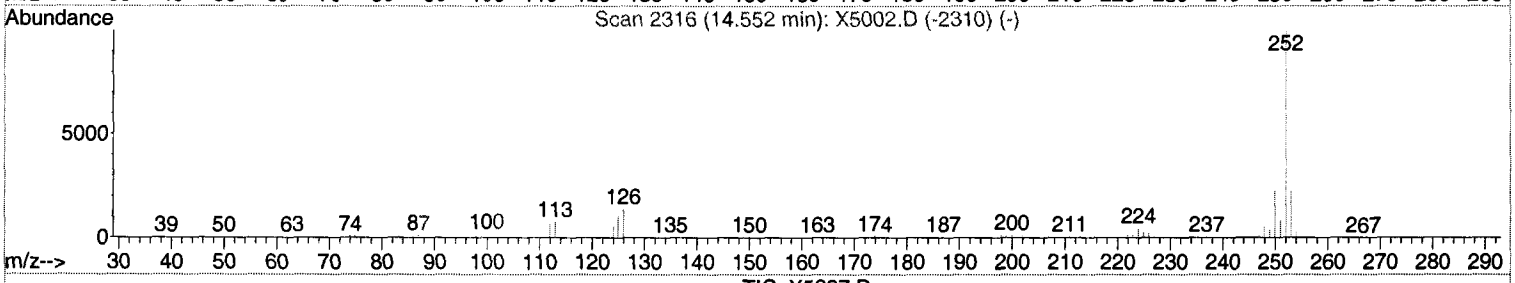
Data File : D:\DATA\120810\X5337.D
Acq On : 8 Dec 2010 13:04
Sample : RTL0572-10
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:56:02 2010

Vial: 9
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Fri Dec 10 11:30:22 2010
Response via : Multiple Level Calibration







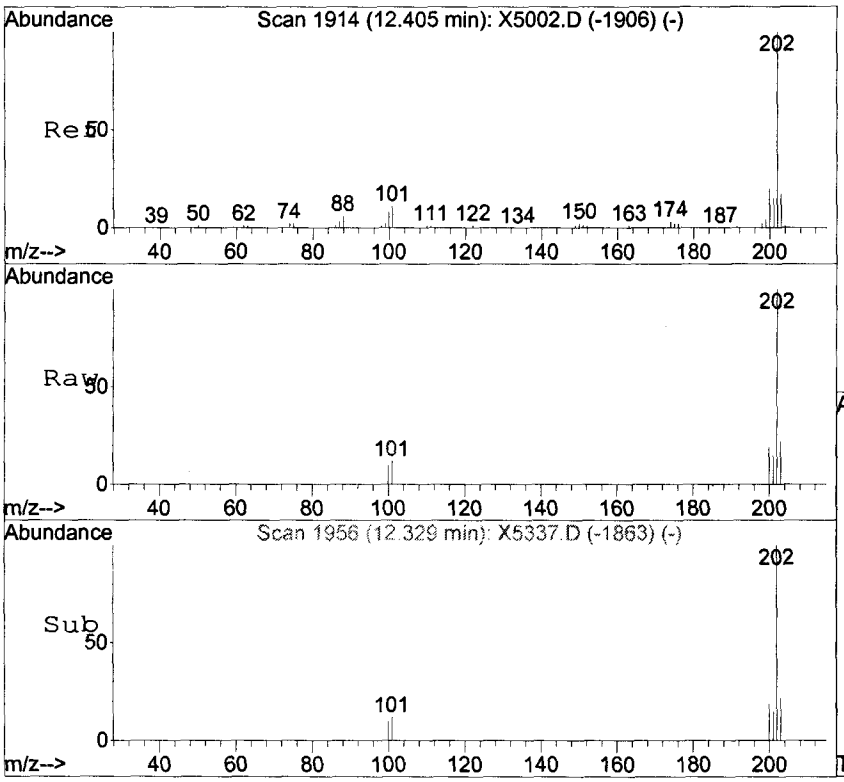
TIC: X5337.D

(81) C765 Benzo[b]fluoranthene (TC)

14.47min (-0.005) 0.31ng m

response 3564

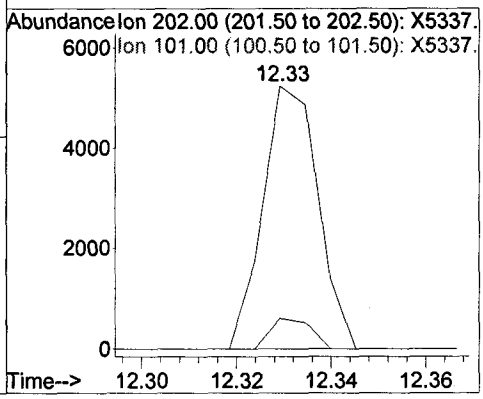
Ion	Exp%	Act%
252.00	100	100
253.00	21.10	32.54
125.00	11.00	27.08
0.00	0.00	0.00

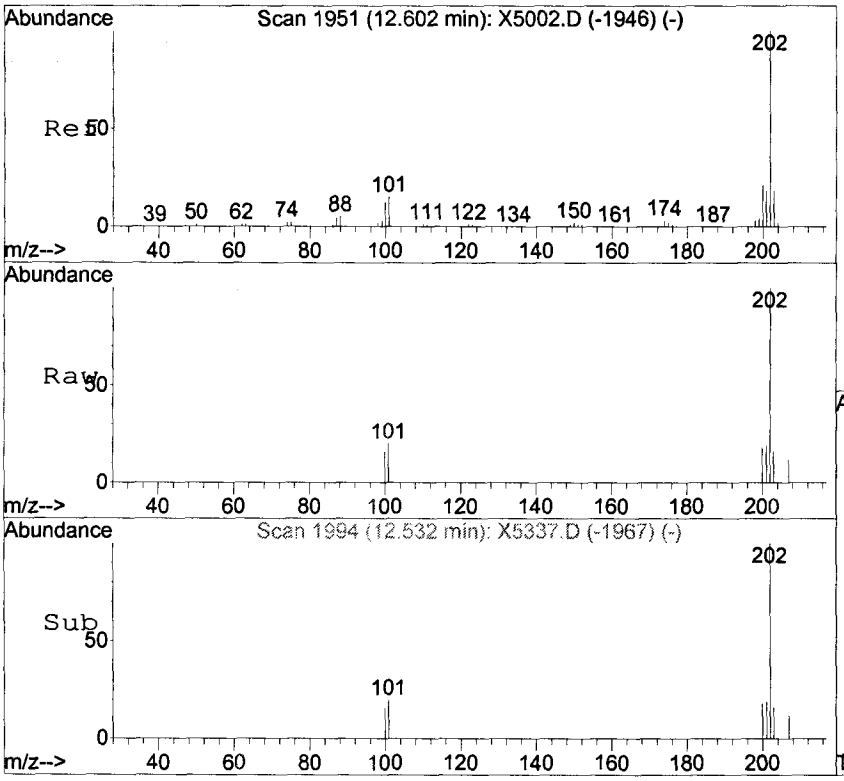


#69
C655 Fluoranthene
Concen: 0.53 ng
RT: 12.33 min Scan# 1956
Delta R.T. -0.01 min
Lab File: X5337.D
Acq: 8 Dec 2010 13:04

Tgt Ion:202 Resp: 4238

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	35.8

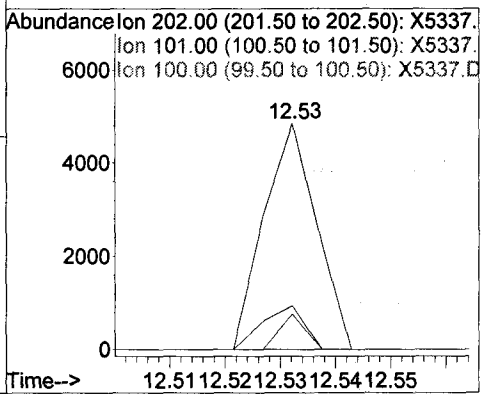




#71
C715 Pyrene
Concen: 0.35 ng
RT: 12.53 min Scan# 1994
Delta R.T. -0.01 min
Lab File: X5337.D
Acq: 8 Dec 2010 13:04

Tgt Ion:202 Resp: 3198

Ion	Ratio	Lower	Upper
202	100		
101	19.5	0.0	39.0
100	15.8	0.0	34.4



Library Search Compound Report

Data File : D:\DATA\120810\X5337.D
Acq On : 8 Dec 2010 13:04
Sample : RTL0572-10
Misc :
MS Integration Params: LSCINT.P

Vial: 9
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

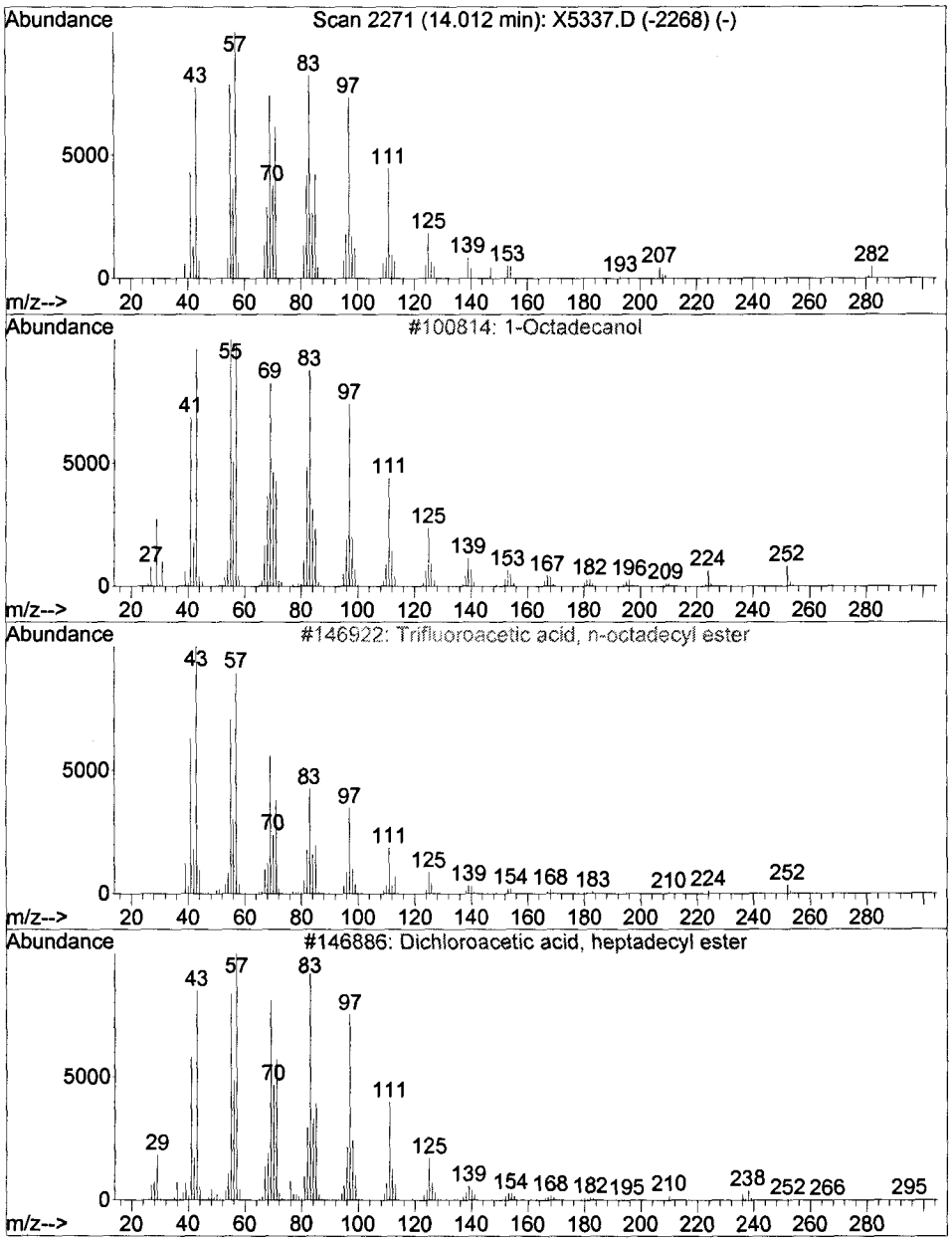
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Library : C:\DATABASE\NIST02.L

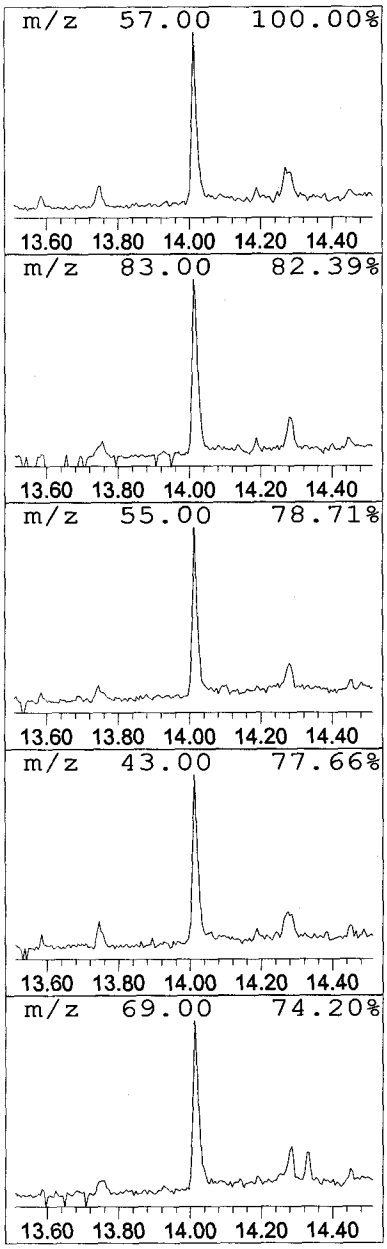
****

Peak Number 1 1-Octadecanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
14.01	5.38 ng	126524	CI70 Chrysene-d12	940857	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanol	270	C18H38O	000112-92-5	93
2	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	87
4	Cyclopentadecane	210	C15H30	000295-48-7	83
5	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	74





Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120810\X5337.D
Acq On : 8 Dec 2010 13:04
Sample : RTL0572-10
Misc :
MS Integration Params: LSCINT.P

Vial: 9
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
1-Octadecanol	14.01	5.4	ng	126524	5	13.58	940857	40.0

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-11-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-11	File ID:	X5319.D
Sampled:	12/06/10 14:35	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 04:35
Solids:	75.57	Preparation:	3550B MB	Initial/Final:	30.83 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	220	U
95-95-4	2,4,5-Trichlorophenol	1	220	U
88-06-2	2,4,6-Trichlorophenol	1	220	U
120-83-2	2,4-Dichlorophenol	1	220	U
105-67-9	2,4-Dimethylphenol	1	220	U
51-28-5	2,4-Dinitrophenol	1	420	U
121-14-2	2,4-Dinitrotoluene	1	220	U
606-20-2	2,6-Dinitrotoluene	1	220	U
91-58-7	2-Chloronaphthalene	1	220	U
95-57-8	2-Chlorophenol	1	220	U
91-57-6	2-Methylnaphthalene	1	220	U
95-48-7	2-Methylphenol	1	220	U
88-74-4	2-Nitroaniline	1	420	U
88-75-5	2-Nitrophenol	1	220	U
91-94-1	3,3'-Dichlorobenzidine	1	220	U
99-09-2	3-Nitroaniline	1	420	U
534-52-1	4,6-Dinitro-2-methylphenol	1	420	U
101-55-3	4-Bromophenyl phenyl ether	1	220	U
59-50-7	4-Chloro-3-methylphenol	1	220	U
106-47-8	4-Chloroaniline	1	220	U
7005-72-3	4-Chlorophenyl phenyl ether	1	220	U
106-44-5	4-Methylphenol	1	420	U
100-01-6	4-Nitroaniline	1	420	U
100-02-7	4-Nitrophenol	1	420	U
83-32-9	Acenaphthene	1	220	U
208-96-8	Acenaphthylene	1	220	U
98-86-2	Acetophenone	1	220	U
120-12-7	Anthracene	1	220	U
1912-24-9	Atrazine	1	220	U
100-52-7	Benzaldehyde	1	220	U
56-55-3	Benzo(a)anthracene	1	16	J
50-32-8	Benzo(a)pyrene	1	220	U
205-99-2	Benzo(b)fluoranthene	1	14	J
191-24-2	Benzo(ghi)perylene	1	220	U
207-08-9	Benzo(k)fluoranthene	1	220	U
92-52-4	Biphenyl	1	220	U
111-91-1	Bis(2-chloroethoxy)methane	1	220	U
111-44-4	Bis(2-chloroethyl)ether	1	220	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	220	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

SP-11-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-11	File ID:	X5319.D
Sampled:	12/06/10 14:35	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 04:35
Solids:	75.57	Preparation:	3550B MB	Initial/Final:	30.83 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	220	U
105-60-2	Caprolactam	1	220	U
86-74-8	Carbazole	1	220	U
218-01-9	Chrysene	1	220	U
53-70-3	Dibenzo(a,h)anthracene	1	220	U
132-64-9	Dibenzofuran	1	220	U
84-66-2	Diethyl phthalate	1	220	U
131-11-3	Dimethyl phthalate	1	220	U
84-74-2	Di-n-butyl phthalate	1	220	U
117-84-0	Di-n-octyl phthalate	1	220	U
206-44-0	Fluoranthene	1	33	J
86-73-7	Fluorene	1	220	U
118-74-1	Hexachlorobenzene	1	220	U
87-68-3	Hexachlorobutadiene	1	220	U
77-47-4	Hexachlorocyclopentadiene	1	220	U
67-72-1	Hexachloroethane	1	220	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	220	U
78-59-1	Isophorone	1	220	U
91-20-3	Naphthalene	1	220	U
98-95-3	Nitrobenzene	1	220	U
621-64-7	N-Nitrosodi-n-propylamine	1	220	U
86-30-6	N-Nitrosodiphenylamine	1	220	U
87-86-5	Pentachlorophenol	1	420	U
85-01-8	Phenanthrene	1	25	J
108-95-2	Phenol	1	220	U
129-00-0	Pyrene	1	24	J

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
001059-14-9	Taraxasterol	16.678	1600	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6440	7230	112	39 - 146	
2-Fluorobiphenyl	4290	3610	84	37 - 120	
2-Fluorophenol	6440	4820	75	18 - 120	
Nitrobenzene-d5	4290	3700	86	34 - 132	
Phenol-d5	6440	5380	84	11 - 120	
p-Terphenyl-d14	4290	3820	89	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	72223	6	75436	6	
Acenaphthene-d10	156817	9.6	164135	9.6	
Chrysene-d12	344484	13.59	340849	13.6	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-11-2-4

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-11	File ID:	X5319.D
Sampled:	12/06/10 14:35	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 04:35
Solids:	75.57	Preparation:	3550B MB	Initial/Final:	30.83 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8	271910	7.54	283821	7.54	
Perylene-d12	412363	14.81	402421	14.81	
Phenanthrene-d10	265361	11.2	278314	11.2	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5319.D Vial: 19
Acq On : 8 Dec 2010 4:35 Operator: JLG
Sample : RTL0572-11 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:34:27 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	72223	40.00	ng	0.00 95.74%
21) CI40 Naphthalene-d8	7.54	136	271910	40.00	ng	0.00 95.80%
37) CI50 Acenaphthene-d10	9.60	164	156817	40.00	ng	0.00 95.54%
58) CI60 Phenanthrene-d10	11.20	188	265361	40.00	ng	0.00 95.35%
70) CI70 Chrysene-d12	13.59	240	344484	40.00	ng	0.00 101.07%
80) CI75 Perylene-d12	14.81	264	412363	40.00	ng	0.00 102.47%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.34	112	313825	112.19	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 74.79%			
6) CS45 Phenol-d5	5.58	99	422504	125.28	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 83.52%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.68	82	234424	86.10	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 86.10%			
41) CS25 2-Fluorobiphenyl	8.82	172	418509	84.16	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 84.16%			
61) CS55 2,4,6-Tribromophenol	10.49	330	117774	168.39	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 112.26%			
73) CS30 Terphenyl-d14	12.68	244	552029	88.90	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 88.90%			

Target Compounds					Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.	
3) E100 Pyridine	0.00	79	0	N.D.	
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.	
8) C315 Phenol	0.00	94	0	N.D.	
9) C330 2-Chlorophenol	0.00	128	0	N.D.	
10) C320 aniline	0.00	93	0	N.D.	
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.	
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.	
15) C345 Benzyl alcohol	0.00	108	0	N.D.	
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.	
17) C355 2-Methylphenol	0.00	108	0	N.D.	
18) C375 Hexachloroethane	0.00	117	0	N.D.	
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.	
20) C365 4-Methylphenol	0.00	108	0	N.D.	
23) C410 Nitrobenzene	0.00	77	0	N.D.	
24) C415 Isophorone	0.00	82	0	N.D.	
25) C011 Tetraethyl Lead	0.00	237	0	N.D.	
26) C430 benzoic acid	0.00	122	0	N.D.	
27) C420 2-Nitrophenol	0.00	139	0	N.D.	
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.	

Data File : D:\DATA\120710\X5319.D Vial: 19
Acq On : 8 Dec 2010 4:35 Operator: JLG
Sample : RTL0572-11 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:34:27 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.		
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.		
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.		
32) C450 Naphthalene	7.56	128	2974	N.D.		
33) C455 4-Chloroaniline	0.00	127	0	N.D.		
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.		
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.		
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.		
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.		
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.		
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.		
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.		
43) C530 2-Nitroaniline	0.00	65	0	N.D.		
44) C540 Acenaphthylene	0.00	152	0	N.D.		
45) C535 Dimethylphthalate	0.00	163	0	N.D.		
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.		
47) C550 Acenaphthene	0.00	153	0	N.D.		
48) C545 3-Nitroaniline	0.00	138	0	N.D.		
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.		
50) C565 Dibenzofuran	0.00	168	0	N.D.		
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D. d		
52) C560 4-Nitrophenol	0.00	109	0	N.D.		
53) C590 Fluorene	0.00	166	0	N.D.		
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.		
55) C580 Diethylphthalate	0.00	149	0	N.D.		
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.		
57) C595 4-Nitroaniline	0.00	138	0	N.D.		
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.		
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.		
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.		
63) C630 Hexachlorobenzene	0.00	284	0	N.D.		
64) C635 Pentachlorophenol	0.00	266	0	N.D.		
65) C640 Phenanthrene	11.22	178	3972	0.58	ng	95
66) C645 Anthracene	0.00	178	0	N.D. d		
67) C647 carbazole	0.00	167	0	N.D.		
68) C650 Di-n-butylphthalate	0.00	149	0	N.D. d		
69) C655 Fluoranthene	12.34	202	6206	0.77	ng	91
71) C715 Pyrene	12.54	202	4628	0.55	ng	90
72) C710 benzidine	0.00	184	0	N.D.		
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.		
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.		
76) C730 Benzo[a]anthracene	13.58	228	3195	0.38	ng	92
77) C735 Chrysene	13.61	228	2304	N.D.		
78) C740 bis(2-Ethylhexyl)ph	13.60	149	2383	N.D.		
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.		
81) C765 Benzo[b]fluoranthen	14.48	252	3452	~~N.D.~~ .33 ng		surr/IS 16
82) C770 Benzo[k]fluoranthen	14.48	252	4223	N.D.		
83) C775 Benzo[a]pyrene	14.75	252	2012	N.D.		
84) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.		
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.		
86) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.		

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5319.D Vial: 19
Acq On : 8 Dec 2010 4:35 Operator: JLG
Sample : RTL0572-11 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:34:27 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5319.D Vial: 19
Acq On : 8 Dec 2010 4:35 Operator: JLG
Sample : RTL0572-11 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:39:33 2010 Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:38:24 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	72223	40.00	ng	0.00 82.50%
4) CI40 Naphthalene-d8	7.54	136	271910	40.00	ng	0.00 89.40%
7) CI50 Acenaphthene-d8	9.60	164	156817	40.00	ng	0.00 96.14%
10) CI60 Phenanthrene-d10	11.20	188	265361	40.00	ng	0.00 96.08%
12) CI70 Chrysene-d12	13.59	240	344484	40.00	ng	0.00 101.40%
13) CI75 Perylene-d12	14.81	264	412363	40.00	ng	0.00 111.70%

Target Compounds					Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	
3) E145 Acetophenone	0.00	105	0	N.D.	
5) E655 Caprolactam	0.00	113	0	N.D.	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.	
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.	
11) E510 Atrazine	0.00	200	0	N.D.	

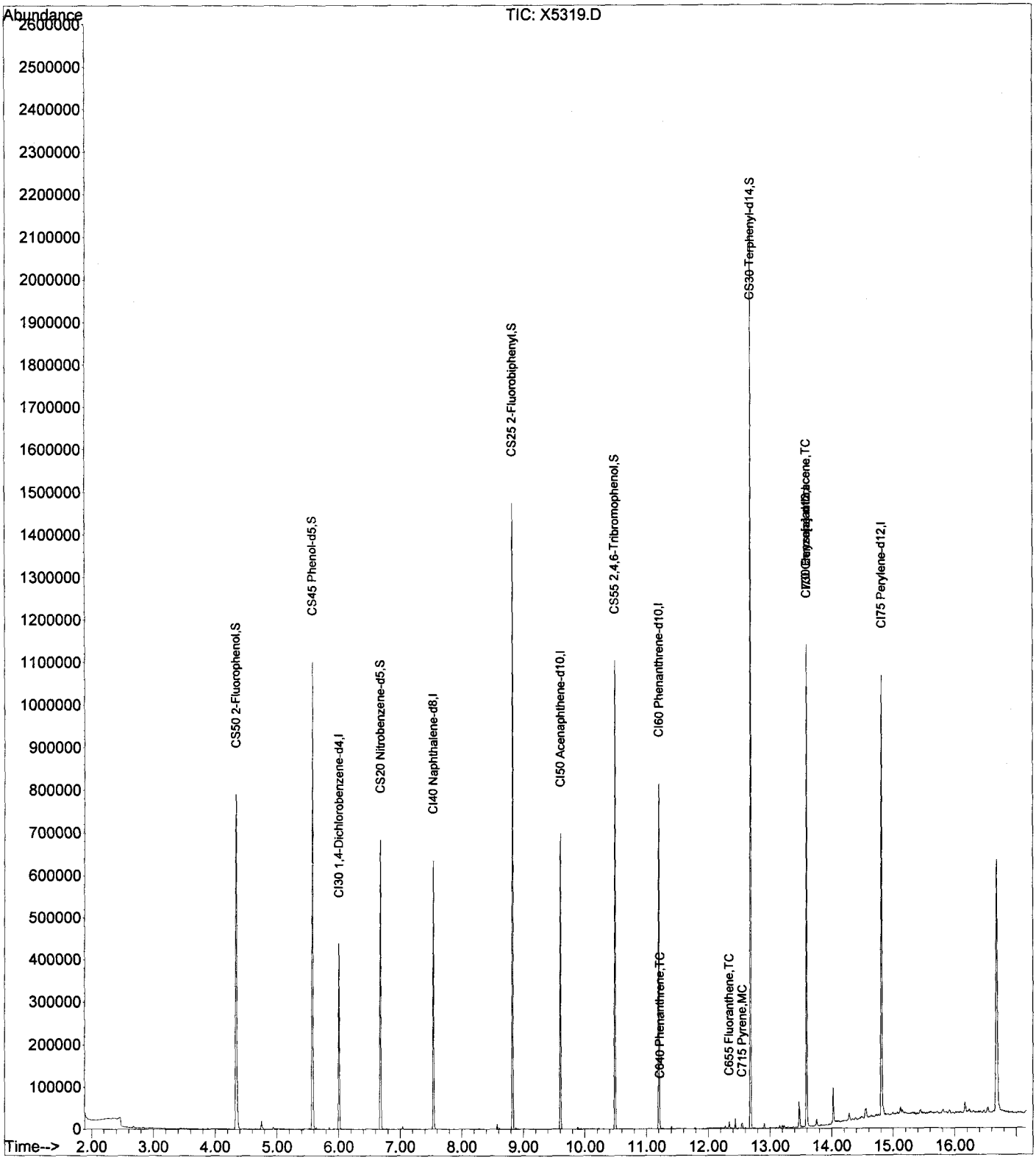
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5319.D
Acq On : 8 Dec 2010 4:35
Sample : RTL0572-11
Misc :
MS Integration Params: NA

Vial: 19
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 09 12:34:27 2010 Results File: 8270_R10K083.RES
Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

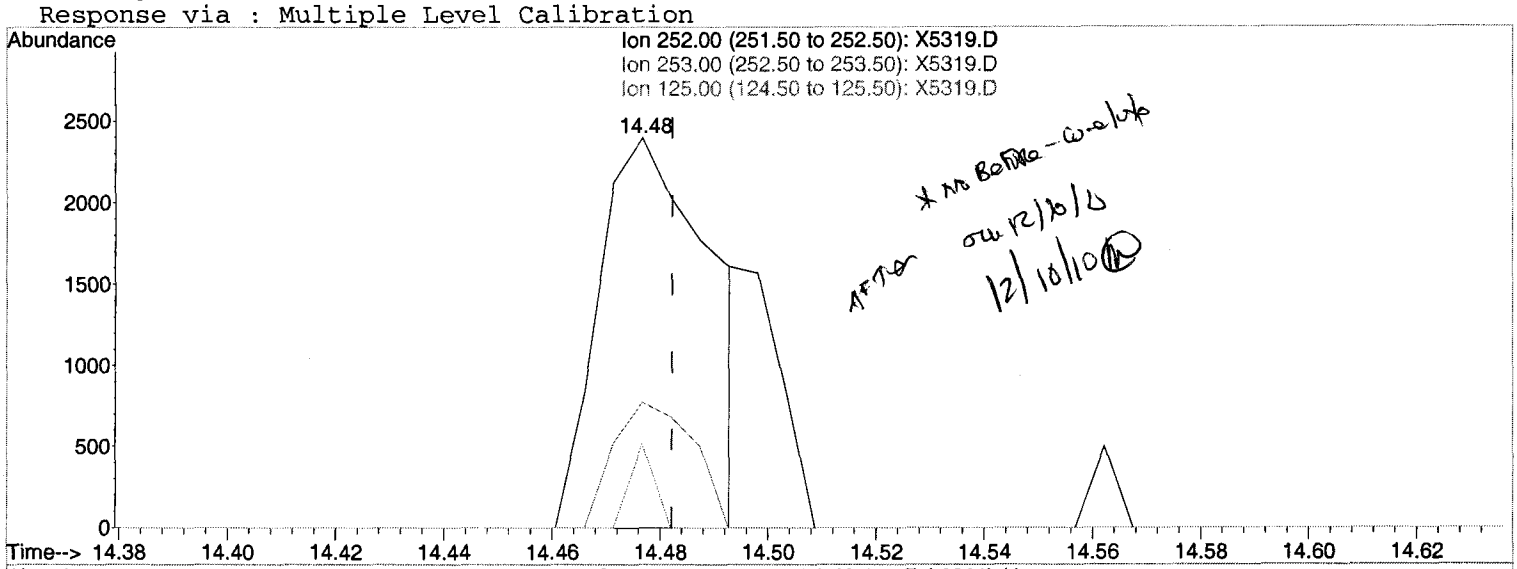


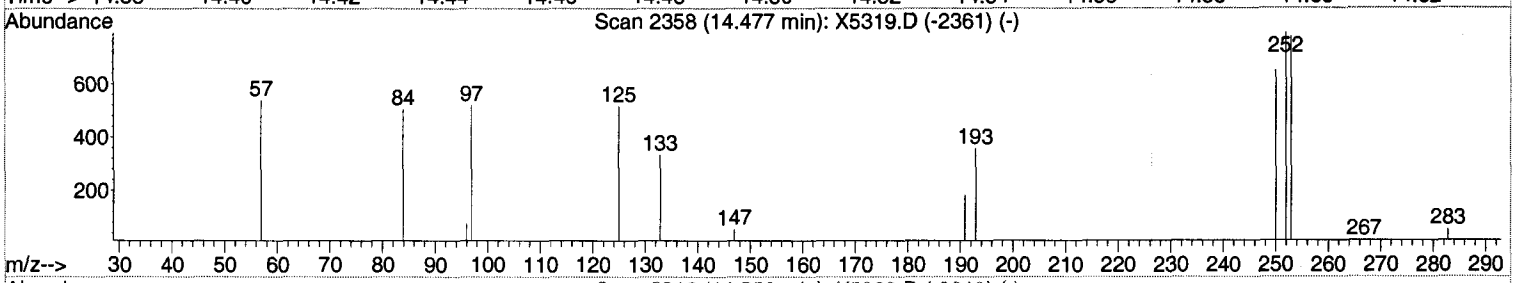
Quantitation Report (Qedit)

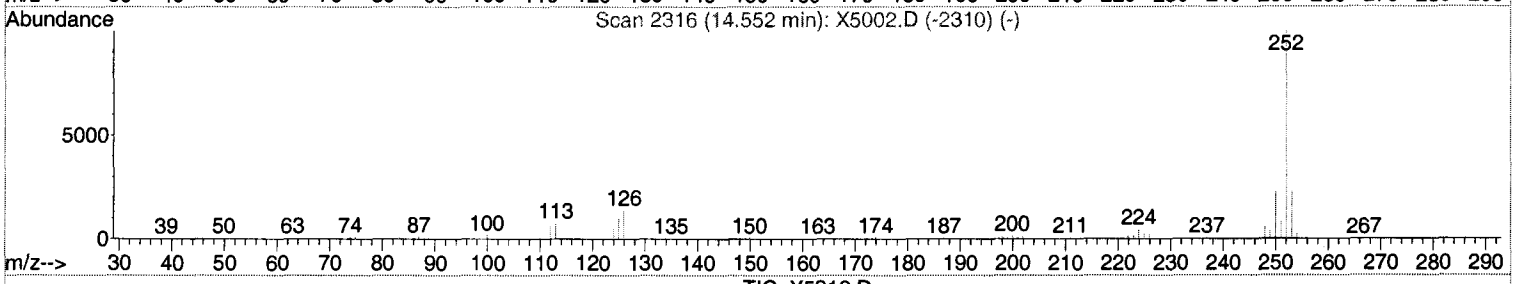
Data File : D:\DATA\120710\X5319.D
Acq On : 8 Dec 2010 4:35
Sample : RTL0572-11
Misc :
MS Integration Params: NA
Quant Time: Dec 09 12:34:27 2010

Vial: 19
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Fri Dec 10 11:30:22 2010
Response via : Multiple Level Calibration







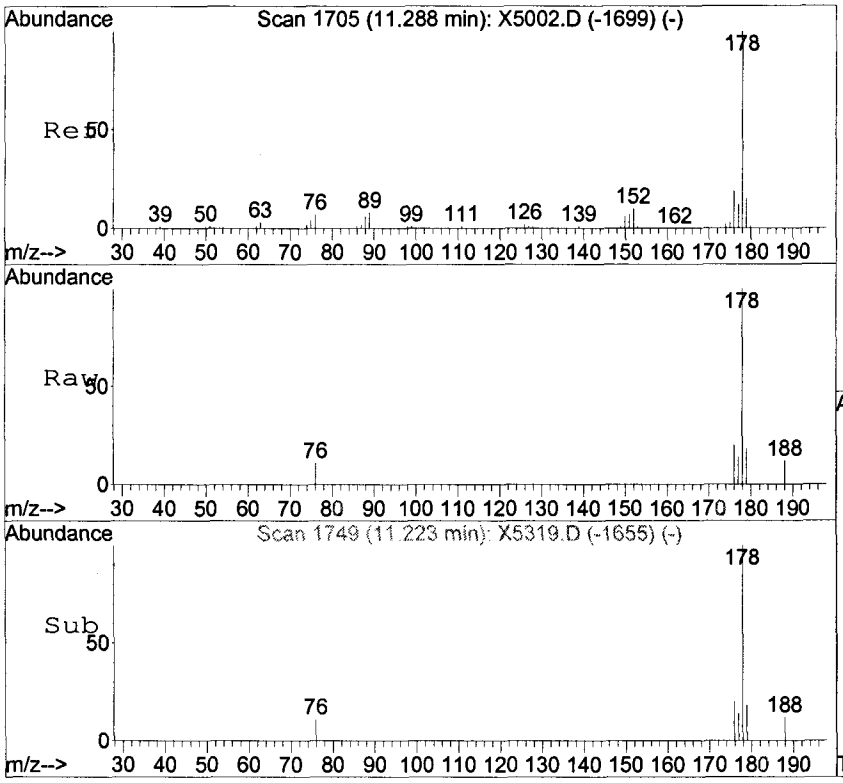
TIC: X5319.D

(81) C765 Benzo[b]fluoranthene (TC)

14.48min (-0.005) 0.33ng m

response 3452

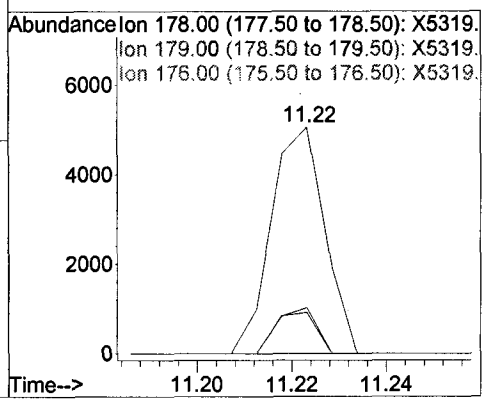
Ion	Exp%	Act%
252.00	100	100
253.00	21.10	32.32
125.00	11.00	21.52
0.00	0.00	0.00

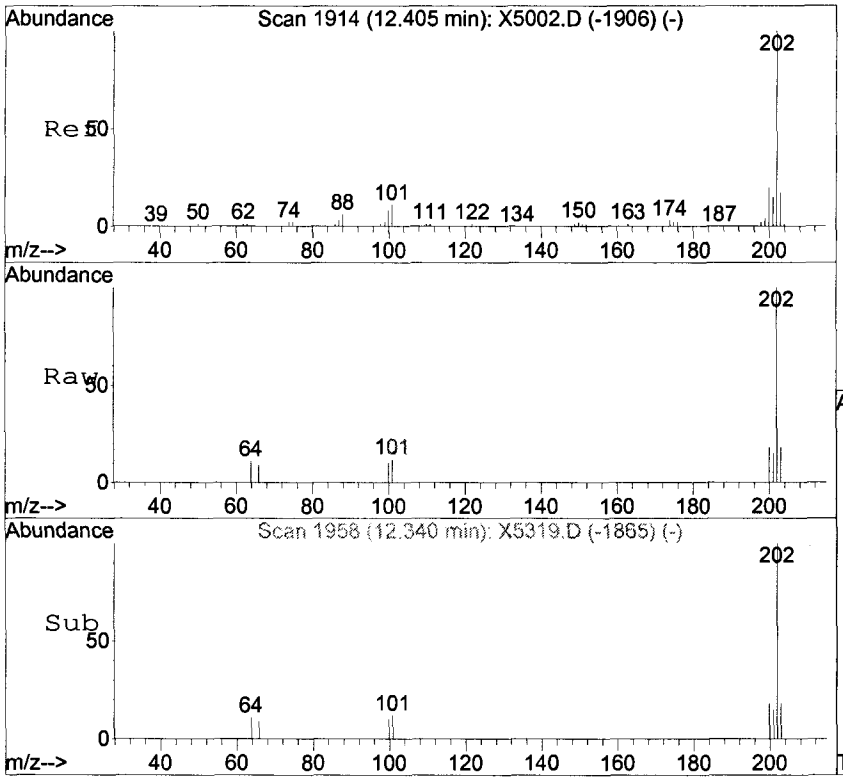


#65
C640 Phenanthrene
Concen: 0.58 ng
RT: 11.22 min Scan# 1749
Delta R.T. -0.00 min
Lab File: X5319.D
Acq: 8 Dec 2010 4:35

Tgt Ion:178 Resp: 3972

Ion	Ratio	Lower	Upper
178	100		
179	18.1	0.0	35.2
176	20.2	0.0	38.7

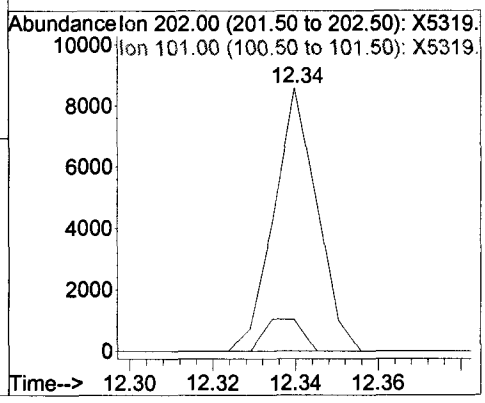


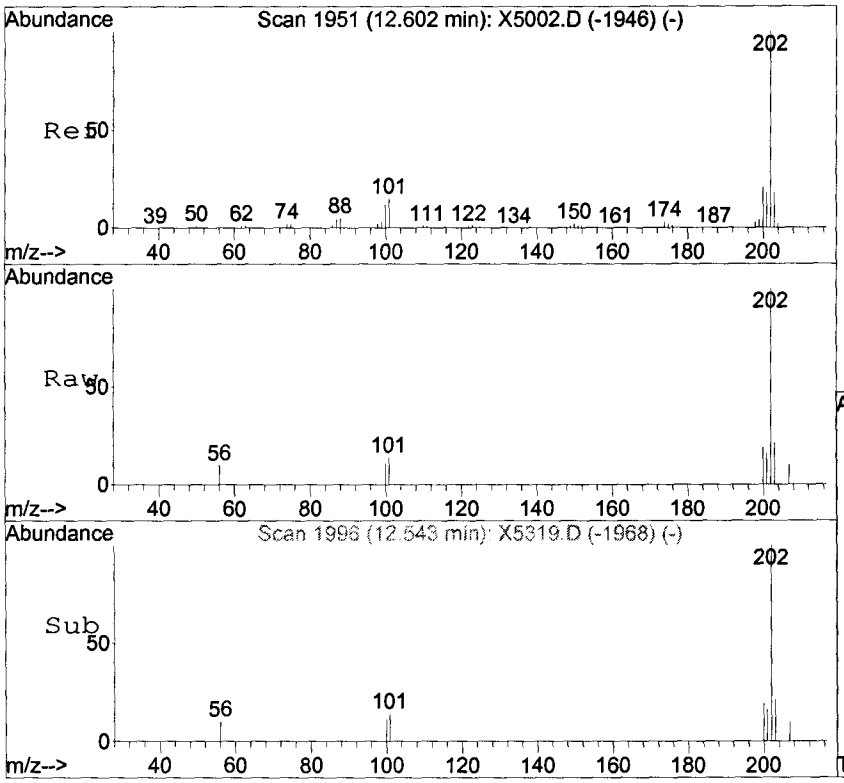


#69
C655 Fluoranthene
Concen: 0.77 ng
RT: 12.34 min Scan# 1958
Delta R.T. -0.01 min
Lab File: X5319.D
Acq: 8 Dec 2010 4:35

Tgt Ion:202 Resp: 6206

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	35.8

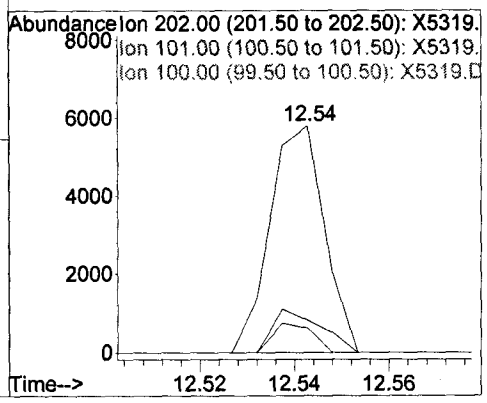


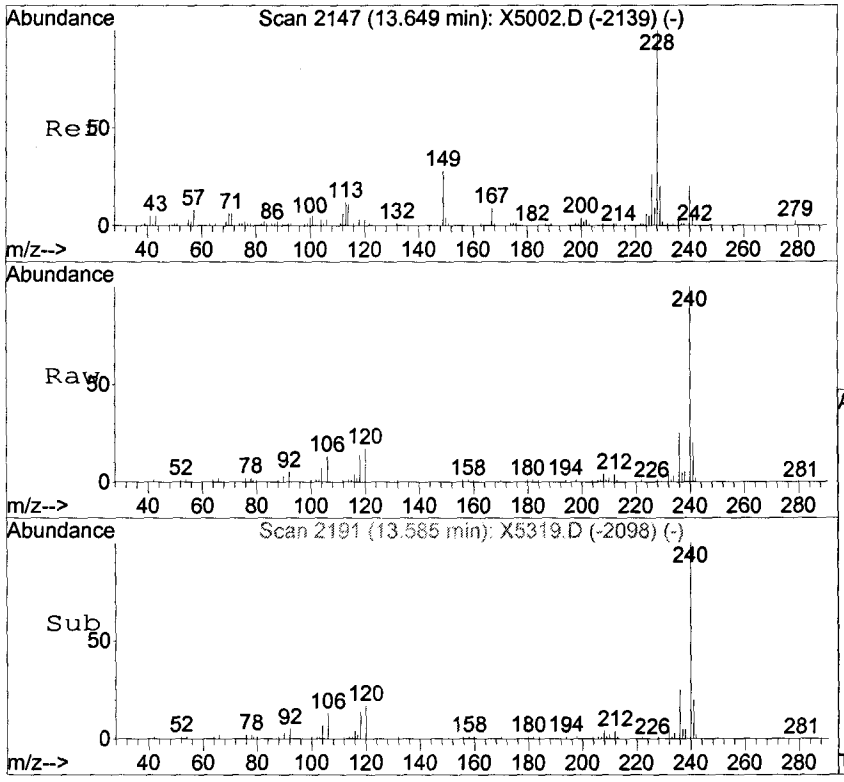


#71
C715 Pyrene
Concen: 0.55 ng
RT: 12.54 min Scan# 1996
Delta R.T. -0.00 min
Lab File: X5319.D
Acq: 8 Dec 2010 4:35

Tgt Ion:202 Resp: 4628

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	39.0
100	10.7	0.0	34.4

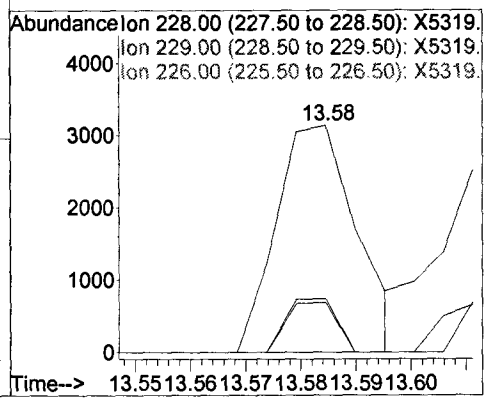




#76
C730 Benzo[a]anthracene
Concen: 0.38 ng
RT: 13.58 min Scan# 2191
Delta R.T. -0.00 min
Lab File: X5319.D
Acq: 8 Dec 2010 4:35

Tgt Ion:228 Resp: 3195

Ion	Ratio	Lower	Upper
228	100		
229	23.5	0.0	39.2
226	21.8	5.5	45.5



Library Search Compound Report

Data File : D:\DATA\120710\X5319.D
Acq On : 8 Dec 2010 4:35
Sample : RTL0572-11
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC

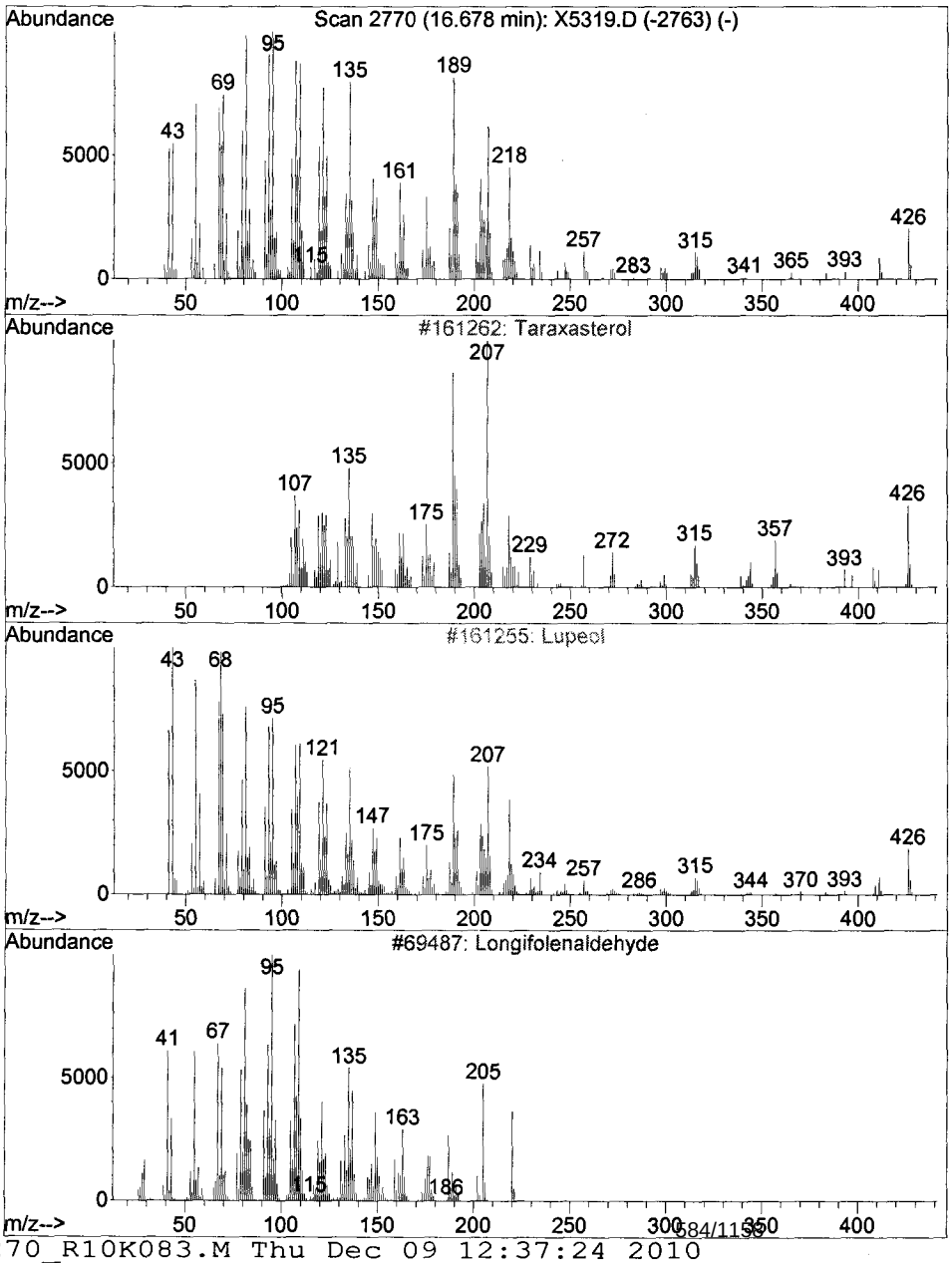
Library : C:\DATABASE\NIST02.L

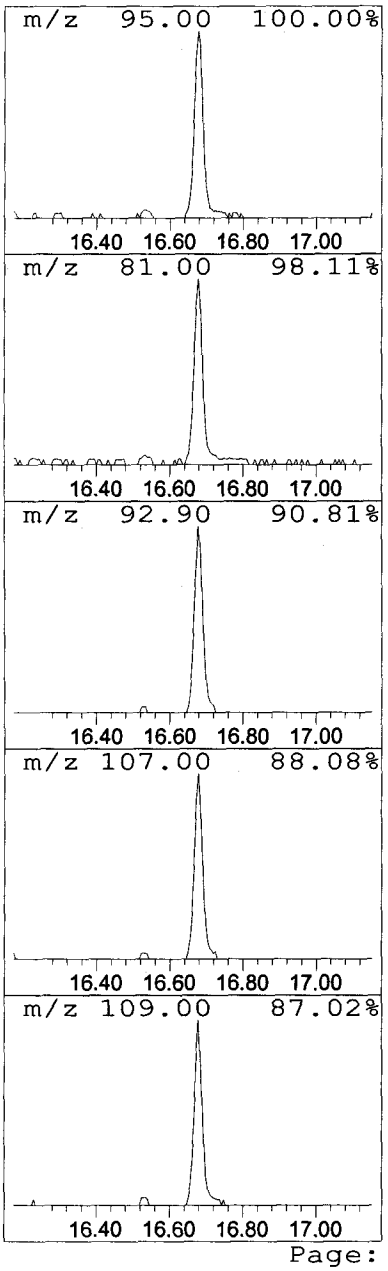
****

Peak Number 1 Taraxasterol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
16.68	36.13 ng	947230	CI75 Perylene-d12	1048590	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Taraxasterol	426	C30H50O	001059-14-9	95
2	Lupeol	426	C30H50O	000545-47-1	64
3	Longifolenaldehyde	220	C15H24O	019890-84-7	46
4	1-Naphthalenecarboxylic acid, de...	316	C21H32O2	001235-39-8	46
5	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	45





Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120710\X5319.D
Acq On : 8 Dec 2010 4:35
Sample : RTL0572-11
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Taraxasterol	16.68	36.1	ng	947230	6	14.81	1048590	40.0

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

DUP-1

Laboratory: TestAmerica Buffalo | SDG: RTL0572

Client: PARS Environmental, Inc. | Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid | Laboratory ID: RTL0572-12 | File ID: X5320.D

Sampled: 12/06/10 00:00 | Prepared: 12/07/10 10:08 | Analyzed: 12/08/10 04:58

Solids: 91.02 | Preparation: 3550B MB | Initial/Final: 30.12 g / 1 mL

Batch: 10L0497 | Sequence: T005571 | Calibration: R10K083 | Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	190	U
95-95-4	2,4,5-Trichlorophenol	1	190	U
88-06-2	2,4,6-Trichlorophenol	1	190	U
120-83-2	2,4-Dichlorophenol	1	190	U
105-67-9	2,4-Dimethylphenol	1	190	U
51-28-5	2,4-Dinitrophenol	1	360	U
121-14-2	2,4-Dinitrotoluene	1	190	U
606-20-2	2,6-Dinitrotoluene	1	190	U
91-58-7	2-Chloronaphthalene	1	190	U
95-57-8	2-Chlorophenol	1	190	U
91-57-6	2-Methylnaphthalene	1	190	U
95-48-7	2-Methylphenol	1	190	U
88-74-4	2-Nitroaniline	1	360	U
88-75-5	2-Nitrophenol	1	190	U
91-94-1	3,3'-Dichlorobenzidine	1	190	U
99-09-2	3-Nitroaniline	1	360	U
534-52-1	4,6-Dinitro-2-methylphenol	1	360	U
101-55-3	4-Bromophenyl phenyl ether	1	190	U
59-50-7	4-Chloro-3-methylphenol	1	190	U
106-47-8	4-Chloroaniline	1	190	U
7005-72-3	4-Chlorophenyl phenyl ether	1	190	U
106-44-5	4-Methylphenol	1	360	U
100-01-6	4-Nitroaniline	1	360	U
100-02-7	4-Nitrophenol	1	360	U
83-32-9	Acenaphthene	1	190	U
208-96-8	Acenaphthylene	1	190	U
98-86-2	Acetophenone	1	190	U
120-12-7	Anthracene	1	190	U
1912-24-9	Atrazine	1	190	U
100-52-7	Benzaldehyde	1	190	U
56-55-3	Benzo(a)anthracene	1	190	U
50-32-8	Benzo(a)pyrene	1	190	U
205-99-2	Benzo(b)fluoranthene	1	190	U
191-24-2	Benzo(ghi)perylene	1	190	U
207-08-9	Benzo(k)fluoranthene	1	190	U
92-52-4	Biphenyl	1	190	U
111-91-1	Bis(2-chloroethoxy)methane	1	190	U
111-44-4	Bis(2-chloroethyl)ether	1	190	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	190	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

DUP-1

Laboratory: TestAmerica Buffalo | SDG: RTL0572

Client: PARS Environmental, Inc. | Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid | Laboratory ID: RTL0572-12 | File ID: X5320.D

Sampled: 12/06/10 00:00 | Prepared: 12/07/10 10:08 | Analyzed: 12/08/10 04:58

Solids: 91.02 | Preparation: 3550B MB | Initial/Final: 30.12 g / 1 mL

Batch: 10L0497 | Sequence: T005571 | Calibration: R10K083 | Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	190	U
105-60-2	Caprolactam	1	190	U
86-74-8	Carbazole	1	190	U
218-01-9	Chrysene	1	190	U
53-70-3	Dibenzo(a,h)anthracene	1	190	U
132-64-9	Dibenzofuran	1	190	U
84-66-2	Diethyl phthalate	1	190	U
131-11-3	Dimethyl phthalate	1	190	U
84-74-2	Di-n-butyl phthalate	1	190	U
117-84-0	Di-n-octyl phthalate	1	190	U
206-44-0	Fluoranthene	1	190	U
86-73-7	Fluorene	1	190	U
118-74-1	Hexachlorobenzene	1	190	U
87-68-3	Hexachlorobutadiene	1	190	U
77-47-4	Hexachlorocyclopentadiene	1	190	U
67-72-1	Hexachloroethane	1	190	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	190	U
78-59-1	Isophorone	1	190	U
91-20-3	Naphthalene	1	190	U
98-95-3	Nitrobenzene	1	190	U
621-64-7	N-Nitrosodi-n-propylamine	1	190	U
86-30-6	N-Nitrosodiphenylamine	1	190	U
87-86-5	Pentachlorophenol	1	360	U
85-01-8	Phenanthrene	1	190	U
108-95-2	Phenol	1	190	U
129-00-0	Pyrene	1	190	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	5470	5760	105	39 - 146	
2-Fluorobiphenyl	3650	2790	76	37 - 120	
2-Fluorophenol	5470	3610	66	18 - 120	
Nitrobenzene-d5	3650	2730	75	34 - 132	
Phenol-d5	5470	4030	74	11 - 120	
p-Terphenyl-d14	3650	3070	84	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	71461	6	75436	6	
Acenaphthene-d10	151793	9.6	164135	9.6	
Chrysene-d12	339076	13.59	340849	13.6	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

DUP-1

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-12	File ID:	X5320.D
Sampled:	12/06/10 00:00	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 04:58
Solids:	91.02	Preparation:	3550B MB	Initial/Final:	30.12 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8	269171	7.54	283821	7.54	
Perylene-d12	410646	14.81	402421	14.81	
Phenanthrene-d10	260260	11.2	278314	11.2	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5320.D Vial: 20
Acq On : 8 Dec 2010 4:58 Operator: JLG
Sample : RTL0572-12 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:34:53 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	71461	40.00	ng	0.00 94.73%
21) CI40 Naphthalene-d8	7.54	136	269171	40.00	ng	0.00 94.84%
37) CI50 Acenaphthene-d10	9.60	164	151793	40.00	ng	0.00 92.48%
58) CI60 Phenanthrene-d10	11.20	188	260260	40.00	ng	0.00 93.51%
70) CI70 Chrysene-d12	13.59	240	339076	40.00	ng	0.00 99.48%
80) CI75 Perylene-d12	14.81	264	410646	40.00	ng	0.00 102.04%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.34	112	273903	98.96	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 65.97%			
6) CS45 Phenol-d5	5.58	99	369000	110.58	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 73.72%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.68	82	201714	74.84	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 74.84%			
41) CS25 2-Fluorobiphenyl	8.82	172	368224	76.50	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 76.50%			
61) CS55 2,4,6-Tribromophenol	10.49	330	108345	157.94	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 105.29%			
73) CS30 Terphenyl-d14	12.68	244	513724	84.05	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 84.05%			

Target Compounds					Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.	
3) E100 Pyridine	0.00	79	0	N.D.	
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.	
8) C315 Phenol	0.00	94	0	N.D.	
9) C330 2-Chlorophenol	0.00	128	0	N.D.	
10) C320 aniline	0.00	93	0	N.D.	
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.	
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.	
15) C345 Benzyl alcohol	0.00	108	0	N.D.	
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.	
17) C355 2-Methylphenol	0.00	108	0	N.D.	
18) C375 Hexachloroethane	0.00	117	0	N.D.	
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.	
20) C365 4-Methylphenol	0.00	108	0	N.D.	
23) C410 Nitrobenzene	0.00	77	0	N.D.	
24) C415 Isophorone	0.00	82	0	N.D.	
25) C011 Tetraethyl Lead	0.00	237	0	N.D.	
26) C430 benzoic acid	0.00	122	0	N.D.	
27) C420 2-Nitrophenol	0.00	139	0	N.D.	
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5320.D Vial: 20
Acq On : 8 Dec 2010 4:58 Operator: JLG
Sample : RTL0572-12 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:34:53 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.		
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.		
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.		
32) C450 Naphthalene	0.00	128	0	N.D.		
33) C455 4-Chloroaniline	0.00	127	0	N.D.		
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.		
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.		
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.		
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.		
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.		
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.		
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.		
43) C530 2-Nitroaniline	0.00	65	0	N.D.		
44) C540 Acenaphthylene	0.00	152	0	N.D.		
45) C535 Dimethylphthalate	0.00	163	0	N.D.		
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.		
47) C550 Acenaphthene	0.00	153	0	N.D.		
48) C545 3-Nitroaniline	0.00	138	0	N.D.		
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.		
50) C565 Dibenzofuran	0.00	168	0	N.D.		
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D.	d	
52) C560 4-Nitrophenol	0.00	109	0	N.D.		
53) C590 Fluorene	0.00	166	0	N.D.		
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.		
55) C580 Diethylphthalate	0.00	149	0	N.D.		
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.		
57) C595 4-Nitroaniline	0.00	138	0	N.D.		
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.		
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.		
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.		
63) C630 Hexachlorobenzene	0.00	284	0	N.D.		
64) C635 Pentachlorophenol	0.00	266	0	N.D.		
65) C640 Phenanthrene	0.00	178	0	N.D.		
66) C645 Anthracene	0.00	178	0	N.D.		
67) C647 carbazole	0.00	167	0	N.D.		
68) C650 Di-n-butylphthalate	0.00	149	0	N.D.	d	
69) C655 Fluoranthene	0.00	202	0	N.D.		
71) C715 Pyrene	0.00	202	0	N.D.		
72) C710 benzidine	0.00	184	0	N.D.		
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.		
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.		
76) C730 Benzo[a]anthracene	0.00	228	0	N.D.		
77) C735 Chrysene	0.00	228	0	N.D.		
78) C740 bis(2-Ethylhexyl)ph	13.60	149	2394	N.D.		
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.		
81) C765 Benzo[b]fluoranthen	0.00	252	0	N.D.		
82) C770 Benzo[k]fluoranthen	0.00	252	0	N.D.		
83) C775 Benzo[a]pyrene	0.00	252	0	N.D.		
84) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.		
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.		
86) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.		

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5320.D Vial: 20
Acq On : 8 Dec 2010 4:58 Operator: JLG
Sample : RTL0572-12 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:34:53 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5320.D
Acq On : 8 Dec 2010 4:58
Sample : RTL0572-12
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:39:34 2010

Vial: 20
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:38:24 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	71461	40.00	ng	0.00 81.63%
4) CI40 Naphthalene-d8	7.54	136	269171	40.00	ng	0.00 88.50%
7) CI50 Acenaphthene-d8	9.60	164	151793	40.00	ng	0.00 93.06%
10) CI60 Phenanthrene-d10	11.20	188	260260	40.00	ng	0.00 94.23%
12) CI70 Chrysene-d12	13.59	240	339076	40.00	ng	0.00 99.81%
13) CI75 Perylene-d12	14.81	264	410646	40.00	ng	0.00 111.24%
Target Compounds						Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.		
3) E145 Acetophenone	0.00	105	0	N.D.		
5) E655 Caprolactam	0.00	113	0	N.D.		
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.		
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.		
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.		
11) E510 Atrazine	0.00	200	0	N.D.		

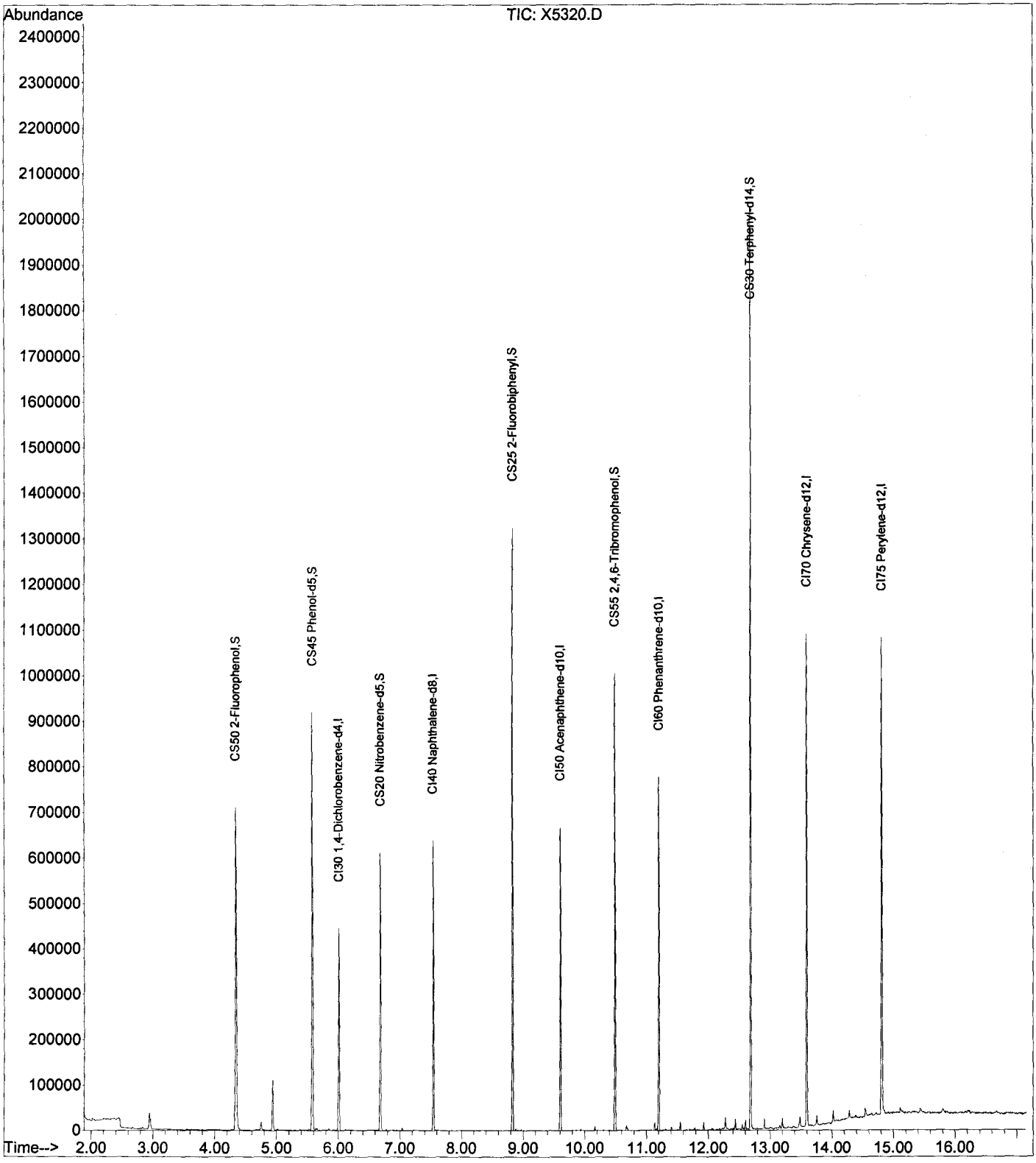
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5320.D
Acq On : 8 Dec 2010 4:58
Sample : RTL0572-12
Misc :
MS Integration Params: NA

Vial: 20
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 09 12:34:53 2010 Results File: 8270_R10K083.RES
Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Library Search Compound Report

Data File : D:\DATA\120710\X5320.D
Acq On : 8 Dec 2010 4:58
Sample : RTL0572-12
Misc :
MS Integration Params: LSCINT.P

Vial: 20
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC

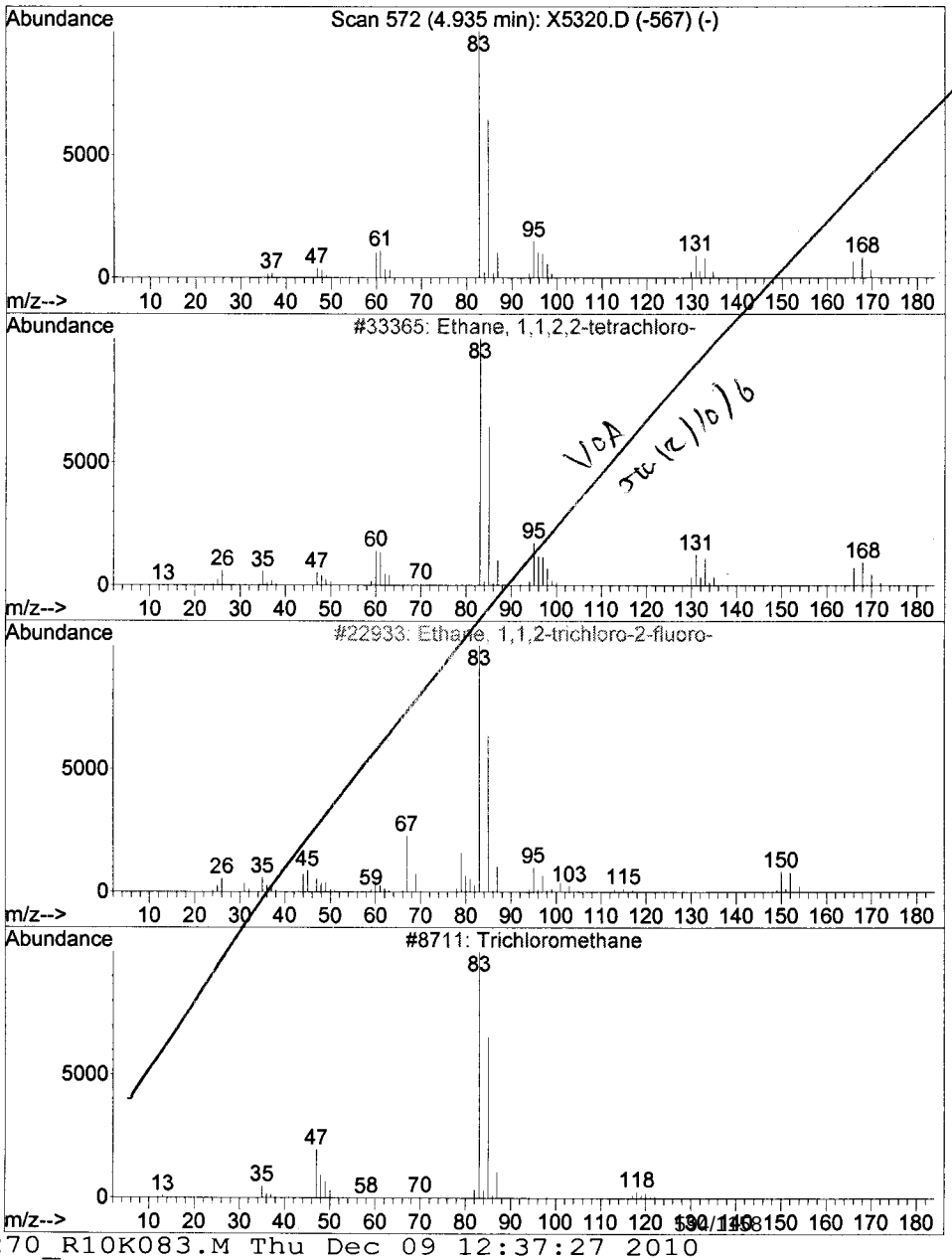
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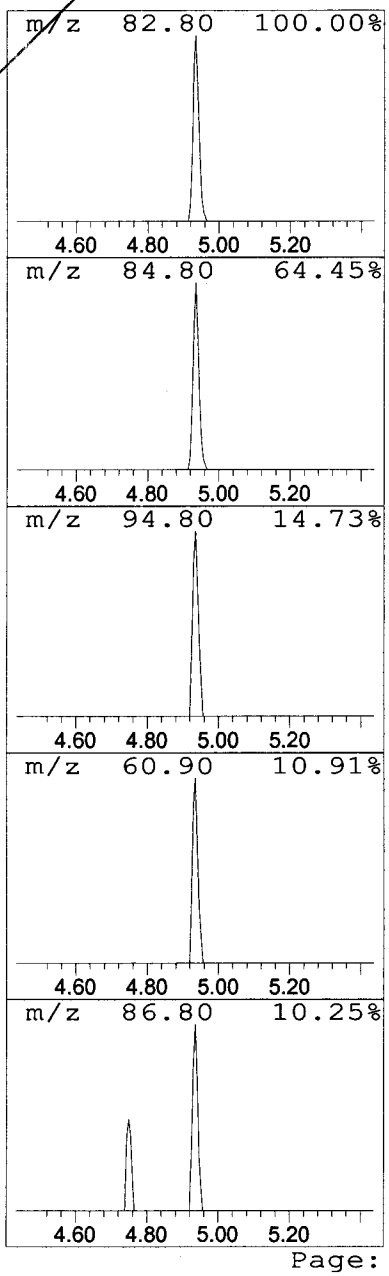
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Peak Number 1 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.94	10.80 ng	120561	CI30 1,4-Dichloro	446319	6.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	97
2	Ethane, 1,1,2-trichloro-2-fluoro-	150	C2H2Cl3F	000359-28-4	64
3	Trichloromethane	118	CHCl3	000067-66-3	42
4	Methane, bromodichloro-	162	CHBrCl2	000075-27-4	42
5	Ethane, 1,2,2-trichloro-1,1-difl...	168	C2HCl3F2	000354-21-2	38





Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120710\X5320.D
Acq On : 8 Dec 2010 4:58
Sample : RTL0572-12
Misc :
MS Integration Params: LSCINT.P

Vial: 20
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Ethane, 1,1,2,2-t...	4.94	10.8	ng	120561	1	6.00	446319	40.0

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SP-12-6-10

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-13	File ID:	X5321.D
Sampled:	12/06/10 15:20	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 05:21
Solids:	72.68	Preparation:	3550B MB	Initial/Final:	30.37 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	230	U
95-95-4	2,4,5-Trichlorophenol	1	230	U
88-06-2	2,4,6-Trichlorophenol	1	230	U
120-83-2	2,4-Dichlorophenol	1	230	U
105-67-9	2,4-Dimethylphenol	1	230	U
51-28-5	2,4-Dinitrophenol	1	450	U
121-14-2	2,4-Dinitrotoluene	1	230	U
606-20-2	2,6-Dinitrotoluene	1	230	U
91-58-7	2-Chloronaphthalene	1	230	U
95-57-8	2-Chlorophenol	1	230	U
91-57-6	2-Methylnaphthalene	1	230	U
95-48-7	2-Methylphenol	1	230	U
88-74-4	2-Nitroaniline	1	450	U
88-75-5	2-Nitrophenol	1	230	U
91-94-1	3,3'-Dichlorobenzidine	1	230	U
99-09-2	3-Nitroaniline	1	450	U
534-52-1	4,6-Dinitro-2-methylphenol	1	450	U
101-55-3	4-Bromophenyl phenyl ether	1	230	U
59-50-7	4-Chloro-3-methylphenol	1	230	U
106-47-8	4-Chloroaniline	1	230	U
7005-72-3	4-Chlorophenyl phenyl ether	1	230	U
106-44-5	4-Methylphenol	1	450	U
100-01-6	4-Nitroaniline	1	450	U
100-02-7	4-Nitrophenol	1	450	U
83-32-9	Acenaphthene	1	230	U
208-96-8	Acenaphthylene	1	230	U
98-86-2	Acetophenone	1	230	U
120-12-7	Anthracene	1	230	U
1912-24-9	Atrazine	1	230	U
100-52-7	Benzaldehyde	1	230	U
56-55-3	Benzo(a)anthracene	1	18	J
50-32-8	Benzo(a)pyrene	1	230	U
205-99-2	Benzo(b)fluoranthene	1	230	U
191-24-2	Benzo(ghi)perylene	1	230	U
207-08-9	Benzo(k)fluoranthene	1	230	U
92-52-4	Biphenyl	1	230	U
111-91-1	Bis(2-chloroethoxy)methane	1	230	U
111-44-4	Bis(2-chloroethyl)ether	1	230	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	230	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

SP-12-6-10

Laboratory: TestAmerica Buffalo | SDG: RTL0572

Client: PARS Environmental, Inc. | Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid | Laboratory ID: RTL0572-13 | File ID: X5321.D

Sampled: 12/06/10 15:20 | Prepared: 12/07/10 10:08 | Analyzed: 12/08/10 05:21

Solids: 72.68 | Preparation: 3550B MB | Initial/Final: 30.37 g / 1 mL

Batch: 10L0497 | Sequence: T005571 | Calibration: R10K083 | Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	230	U
105-60-2	Caprolactam	1	230	U
86-74-8	Carbazole	1	230	U
218-01-9	Chrysene	1	17	J
53-70-3	Dibenzo(a,h)anthracene	1	230	U
132-64-9	Dibenzofuran	1	230	U
84-66-2	Diethyl phthalate	1	230	U
131-11-3	Dimethyl phthalate	1	230	U
84-74-2	Di-n-butyl phthalate	1	230	U
117-84-0	Di-n-octyl phthalate	1	230	U
206-44-0	Fluoranthene	1	33	J
86-73-7	Fluorene	1	230	U
118-74-1	Hexachlorobenzene	1	230	U
87-68-3	Hexachlorobutadiene	1	230	U
77-47-4	Hexachlorocyclopentadiene	1	230	U
67-72-1	Hexachloroethane	1	230	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	230	U
78-59-1	Isophorone	1	230	U
91-20-3	Naphthalene	1	690	
98-95-3	Nitrobenzene	1	230	U
621-64-7	N-Nitrosodi-n-propylamine	1	230	U
86-30-6	N-Nitrosodiphenylamine	1	230	U
87-86-5	Pentachlorophenol	1	450	U
85-01-8	Phenanthrene	1	33	J
108-95-2	Phenol	1	230	U
129-00-0	Pyrene	1	23	J

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
none	Unknown01	13.467	190	
none	Unknown02	14.023	300	
none	Unknown03	16.165	200	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6800	7580	112	39 - 146	
2-Fluorobiphenyl	4530	3610	80	37 - 120	
2-Fluorophenol	6800	4550	67	18 - 120	
Nitrobenzene-d5	4530	3440	76	34 - 132	
Phenol-d5	6800	5170	76	11 - 120	
p-Terphenyl-d14	4530	3940	87	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	71190	6	75436	6	

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

SP-12-6-10

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-13	File ID:	X5321.D
Sampled:	12/06/10 15:20	Prepared:	12/07/10 10:08	Analyzed:	12/08/10 05:21
Solids:	72.68	Preparation:	3550B MB	Initial/Final:	30.37 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Acenaphthene-d10	154766	9.6	164135	9.6	
Chrysene-d12	352144	13.59	340849	13.6	
Naphthalene-d8	271584	7.54	283821	7.54	
Perylene-d12	419769	14.81	402421	14.81	
Phenanthrene-d10	262972	11.2	278314	11.2	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5321.D Vial: 21
Acq On : 8 Dec 2010 5:21 Operator: JLG
Sample : RTL0572-13 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:35:23 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	71190	40.00	ng	0.00 94.37%
21) CI40 Naphthalene-d8	7.54	136	271584	40.00	ng	0.00 95.69%
37) CI50 Acenaphthene-d10	9.60	164	154766	40.00	ng	0.00 94.29%
58) CI60 Phenanthrene-d10	11.20	188	262972	40.00	ng	0.00 94.49%
70) CI70 Chrysene-d12	13.59	240	352144	40.00	ng	0.00 103.31%
80) CI75 Perylene-d12	14.81	264	419769	40.00	ng	0.00 104.31%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.34	112	276686	100.35	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 66.90%			
6) CS45 Phenol-d5	5.58	99	379197	114.07	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 76.05%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.68	82	206520	75.94	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 75.94%			
41) CS25 2-Fluorobiphenyl	8.82	172	391097	79.69	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 79.69%			
61) CS55 2,4,6-Tribromophenol	10.49	330	115928	167.26	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 111.51%			
73) CS30 Terphenyl-d14	12.68	244	551568	86.90	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 86.90%			

Target Compounds					Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.	
3) E100 Pyridine	0.00	79	0	N.D.	
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.	
8) C315 Phenol	0.00	94	0	N.D.	
9) C330 2-Chlorophenol	0.00	128	0	N.D.	
10) C320 aniline	0.00	93	0	N.D.	
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.	
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.	
15) C345 Benzyl alcohol	0.00	108	0	N.D.	
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.	
17) C355 2-Methylphenol	0.00	108	0	N.D.	
18) C375 Hexachloroethane	0.00	117	0	N.D.	
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.	
20) C365 4-Methylphenol	0.00	108	0	N.D.	
23) C410 Nitrobenzene	0.00	77	0	N.D.	
24) C415 Isophorone	0.00	82	0	N.D.	
25) C011 Tetraethyl Lead	0.00	237	0	N.D.	
26) C430 benzoic acid	0.00	122	0	N.D.	
27) C420 2-Nitrophenol	0.00	139	0	N.D.	
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5321.D Vial: 21
Acq On : 8 Dec 2010 5:21 Operator: JLG
Sample : RTL0572-13 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:35:23 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.	
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.	
32) C450 Naphthalene	7.56	128	104841	15.20 ng	99
33) C455 4-Chloroaniline	0.00	127	0	N.D. d	
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.	
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.	
36) C470 2-Methylnaphthalene	8.39	142	2285	N.D.	
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.	
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.	
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.	
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.	
43) C530 2-Nitroaniline	0.00	65	0	N.D.	
44) C540 Acenaphthylene	0.00	152	0	N.D.	
45) C535 Dimethylphthalate	0.00	163	0	N.D.	
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.	
47) C550 Acenaphthene	0.00	153	0	N.D.	
48) C545 3-Nitroaniline	0.00	138	0	N.D.	
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
50) C565 Dibenzofuran	0.00	168	0	N.D.	
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
52) C560 4-Nitrophenol	0.00	109	0	N.D.	
53) C590 Fluorene	0.00	166	0	N.D.	
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.	
55) C580 Diethylphthalate	0.00	149	0	N.D.	
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.	
57) C595 4-Nitroaniline	0.00	138	0	N.D.	
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.	
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.	
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.	
63) C630 Hexachlorobenzene	0.00	284	0	N.D.	
64) C635 Pentachlorophenol	0.00	266	0	N.D.	
65) C640 Phenanthrene	11.22	178	4911	0.72 ng	94
66) C645 Anthracene	0.00	178	0	N.D. d	
67) C647 carbazole	0.00	167	0	N.D.	
68) C650 Di-n-butylphthalate	11.78	149	8507	1.24 ng	99
69) C655 Fluoranthene	12.34	202	5730	0.72 ng	99
71) C715 Pyrene	12.54	202	4394	0.51 ng	89
72) C710 benzidine	0.00	184	0	N.D.	
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.	
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.	
76) C730 Benzo[a]anthracene	13.58	228	3345	0.39 ng	93
77) C735 Chrysene	13.58	228	3345	0.37 ng	90
78) C740 bis(2-Ethylhexyl)ph	13.60	149	4532	N.D.	
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.	
81) C765 Benzo[b]fluoranthen	0.00	252	0	N.D. d	
82) C770 Benzo[k]fluoranthen	14.48	252	4736	N.D.	
83) C775 Benzo[a]pyrene	14.75	252	2260	N.D.	
84) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.	
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.	
86) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5321.D Vial: 21
Acq On : 8 Dec 2010 5:21 Operator: JLG
Sample : RTL0572-13 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 12:35:23 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5321.D
Acq On : 8 Dec 2010 5:21
Sample : RTL0572-13
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:42:36 2010

Vial: 21
Operator: JLG
Inst : HP5973X
Multiplr: 1.00
Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:38:24 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	71190	40.00	ng	0.00 81.32%
4) CI40 Naphthalene-d8	7.54	136	271584	40.00	ng	0.00 89.30%
7) CI50 Acenaphthene-d8	9.60	164	154766	40.00	ng	0.00 94.88%
10) CI60 Phenanthrene-d10	11.20	188	262972	40.00	ng	0.00 95.21%
12) CI70 Chrysene-d12	13.59	240	352144	40.00	ng	0.00 103.66%
13) CI75 Perylene-d12	14.81	264	419769	40.00	ng	0.00 113.71%

Target Compounds					Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	
3) E145 Acetophenone	0.00	105	0	N.D. d	
5) E655 Caprolactam	0.00	113	0	N.D.	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.	
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.	
11) E510 Atrazine	0.00	200	0	N.D.	

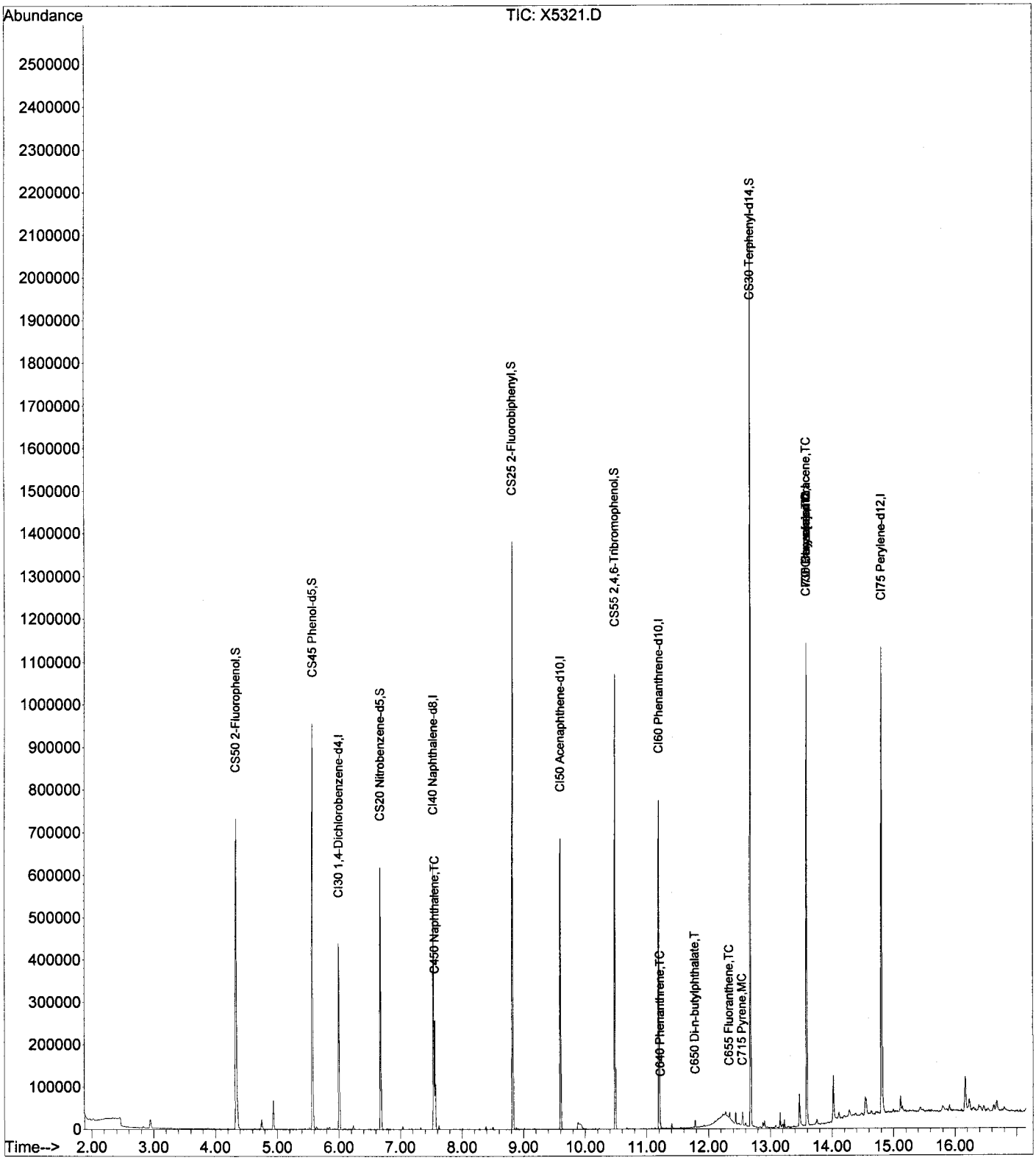
(#) = qualifier out of range (m) = manual integration (+) = signals summed

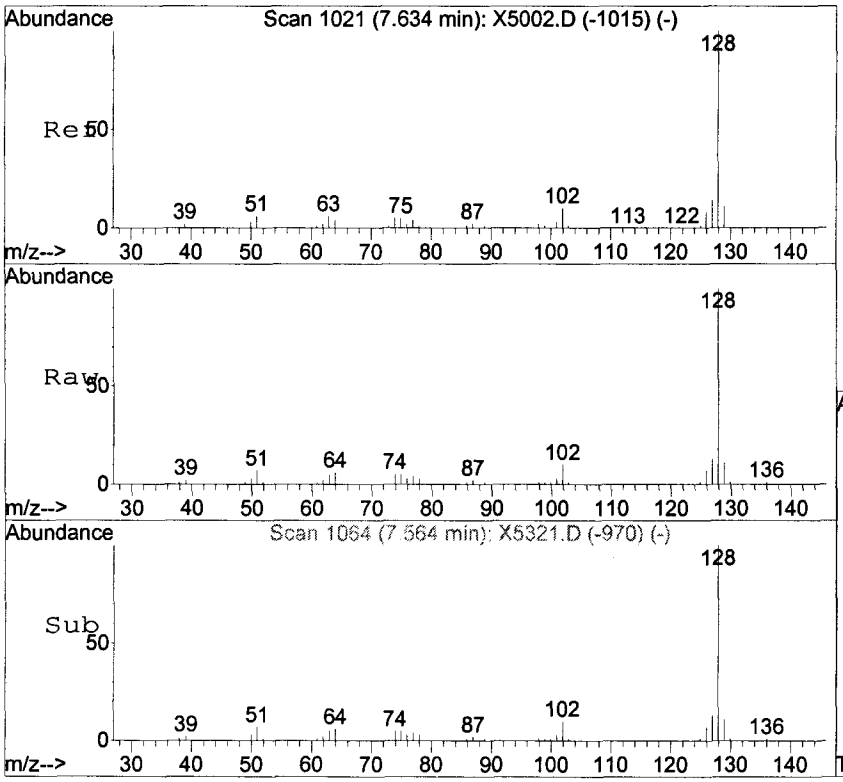
Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5321.D
Acq On : 8 Dec 2010 5:21
Sample : RTL0572-13
Misc :
MS Integration Params: NA

Vial: 21
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 09 12:35:23 2010 Results File: 8270_R10K083.RES
Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

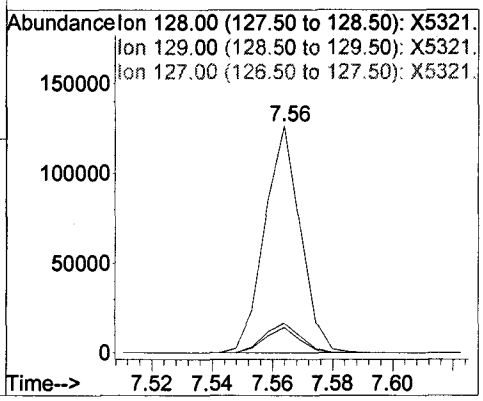


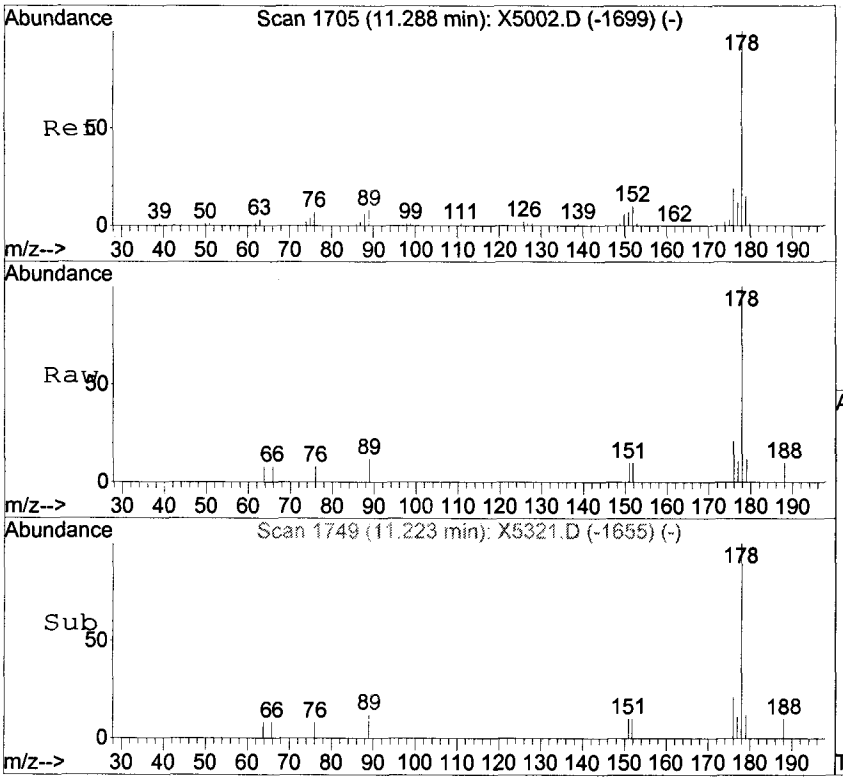


#32
C450 Naphthalene
Concen: 15.20 ng
RT: 7.56 min Scan# 1064
Delta R.T. -0.00 min
Lab File: X5321.D
Acq: 8 Dec 2010 5:21

Tgt Ion:128 Resp: 104841

Ion	Ratio	Lower	Upper
128	100		
129	11.3	0.0	31.0
127	13.2	0.0	32.6

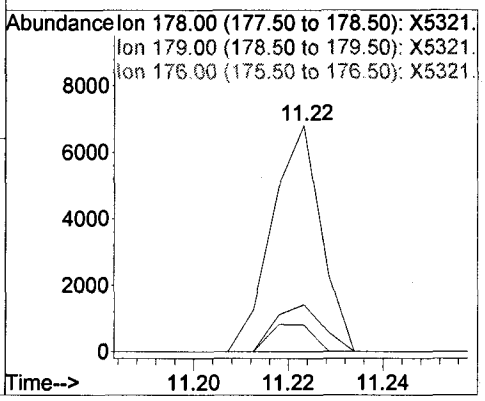


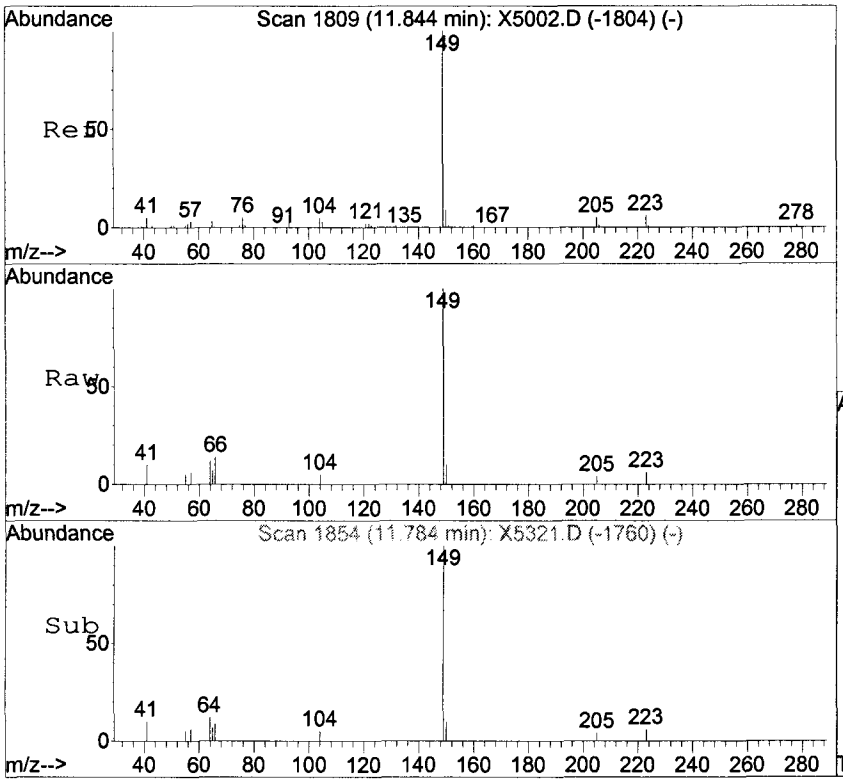


#65
C640 Phenanthrene
Concen: 0.72 ng
RT: 11.22 min Scan# 1749
Delta R.T. -0.00 min
Lab File: X5321.D
Acq: 8 Dec 2010 5:21

Tgt Ion:178 Resp: 4911

Ion	Ratio	Lower	Upper
178	100		
179	11.8	0.0	35.2
176	20.8	0.0	38.7

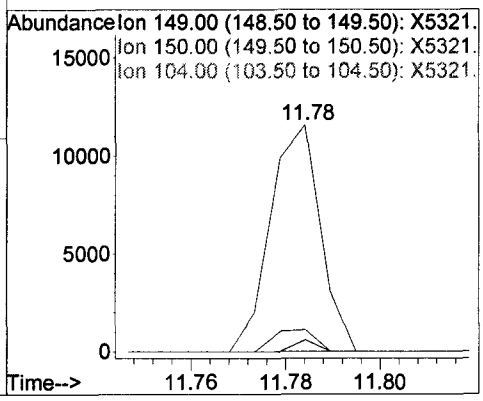


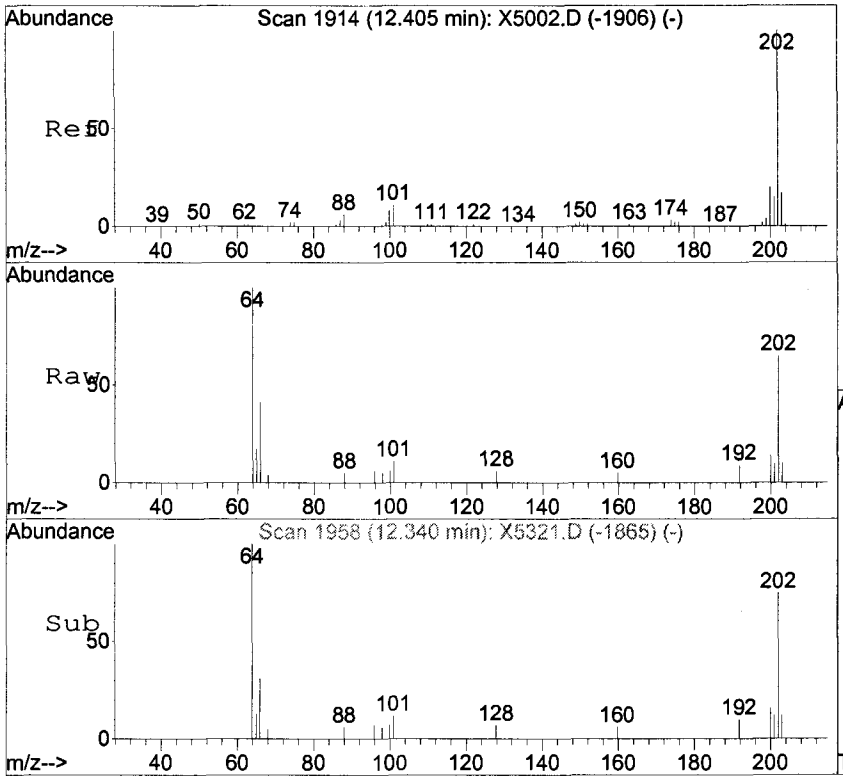


#68
C650 Di-n-butylphthalate
Concen: 1.24 ng
RT: 11.78 min Scan# 1854
Delta R.T. -0.00 min
Lab File: X5321.D
Acq: 8 Dec 2010 5:21

Tgt Ion:149 Resp: 8507

Ion	Ratio	Lower	Upper
149	100		
150	9.6	0.0	29.0
104	5.1	0.0	25.3

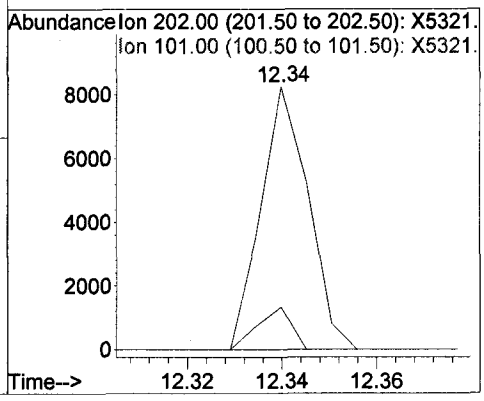


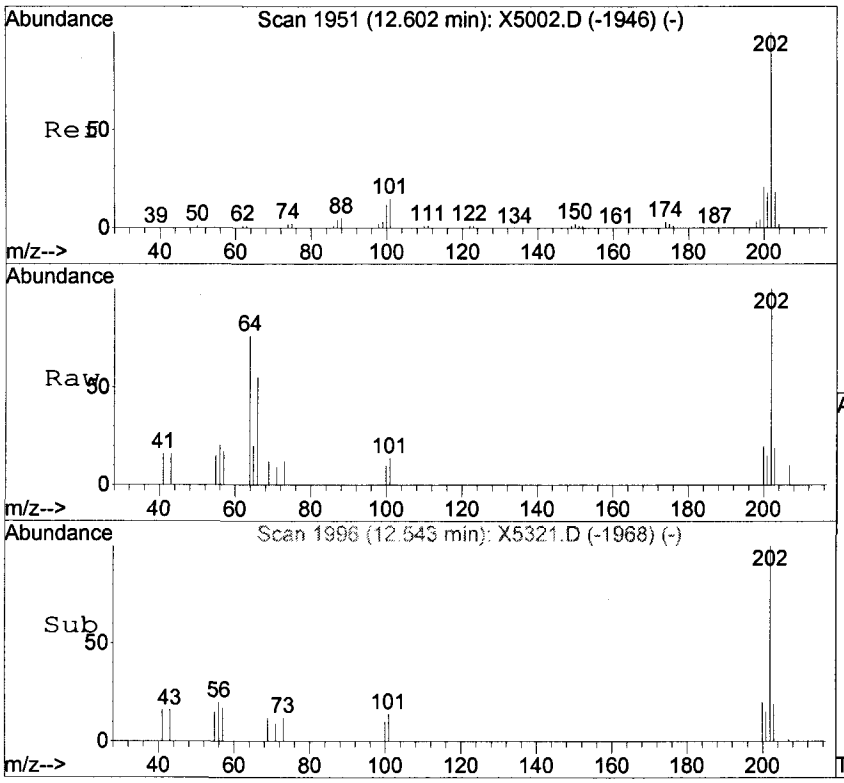


#69
C655 Fluoranthene
Concen: 0.72 ng
RT: 12.34 min Scan# 1958
Delta R.T. -0.01 min
Lab File: X5321.D
Acq: 8 Dec 2010 5:21

Tgt Ion:202 Resp: 5730

Ion	Ratio	Lower	Upper
202	100		
101	16.2	0.0	35.8

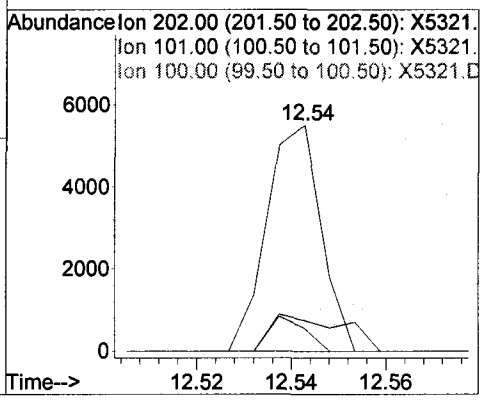


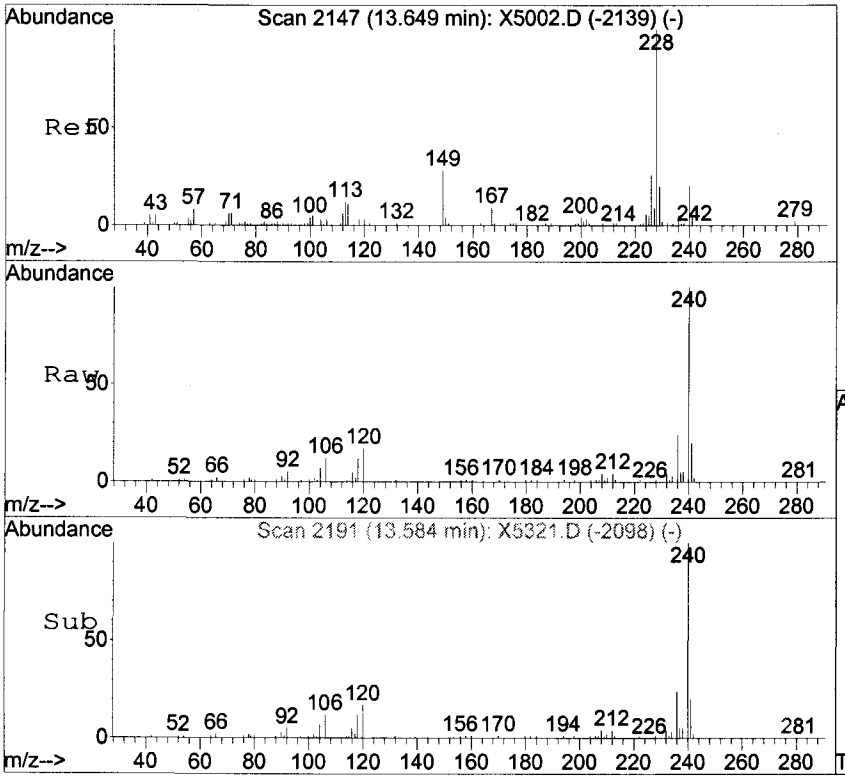


#71
C715 Pyrene
Concen: 0.51 ng
RT: 12.54 min Scan# 1996
Delta R.T. -0.00 min
Lab File: X5321.D
Acq: 8 Dec 2010 5:21

Tgt Ion:202 Resp: 4394

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	39.0
100	10.2	0.0	34.4

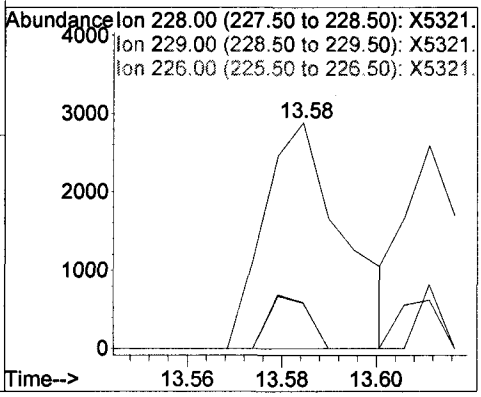


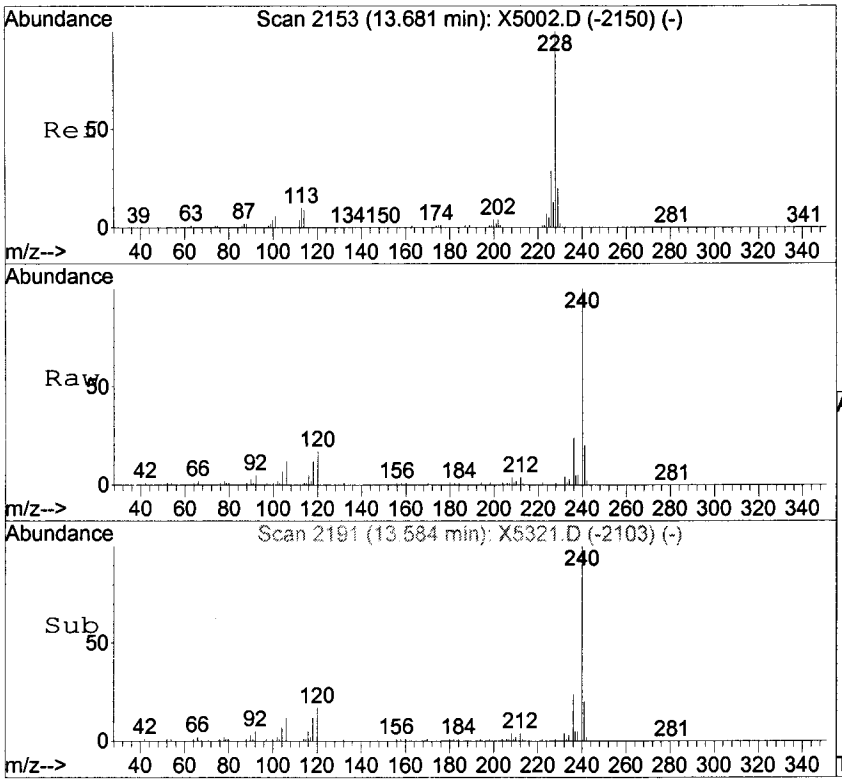


#76
C730 Benzo[a]anthracene
Concen: 0.39 ng
RT: 13.58 min Scan# 2191
Delta R.T. -0.00 min
Lab File: X5321.D
Acq: 8 Dec 2010 5:21

Tgt Ion:228 Resp: 3345

Ion	Ratio	Lower	Upper
228	100		
229	20.5	0.0	39.2
226	20.4	5.5	45.5

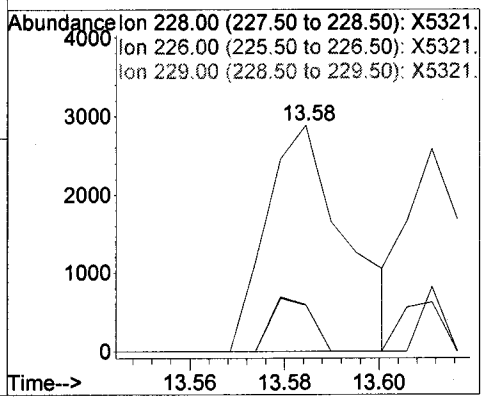




#77
C735 Chrysene
Concen: 0.37 ng
RT: 13.58 min Scan# 2191
Delta R.T. -0.03 min
Lab File: X5321.D
Acq: 8 Dec 2010 5:21

Tgt Ion:228 Resp: 3345

Ion	Ratio	Lower	Upper
228	100		
226	20.4	8.5	48.5
229	20.5	0.0	39.5



Library Search Compound Report

Data File : D:\DATA\120710\X5321.D
Acq On : 8 Dec 2010 5:21
Sample : RTL0572-13
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC

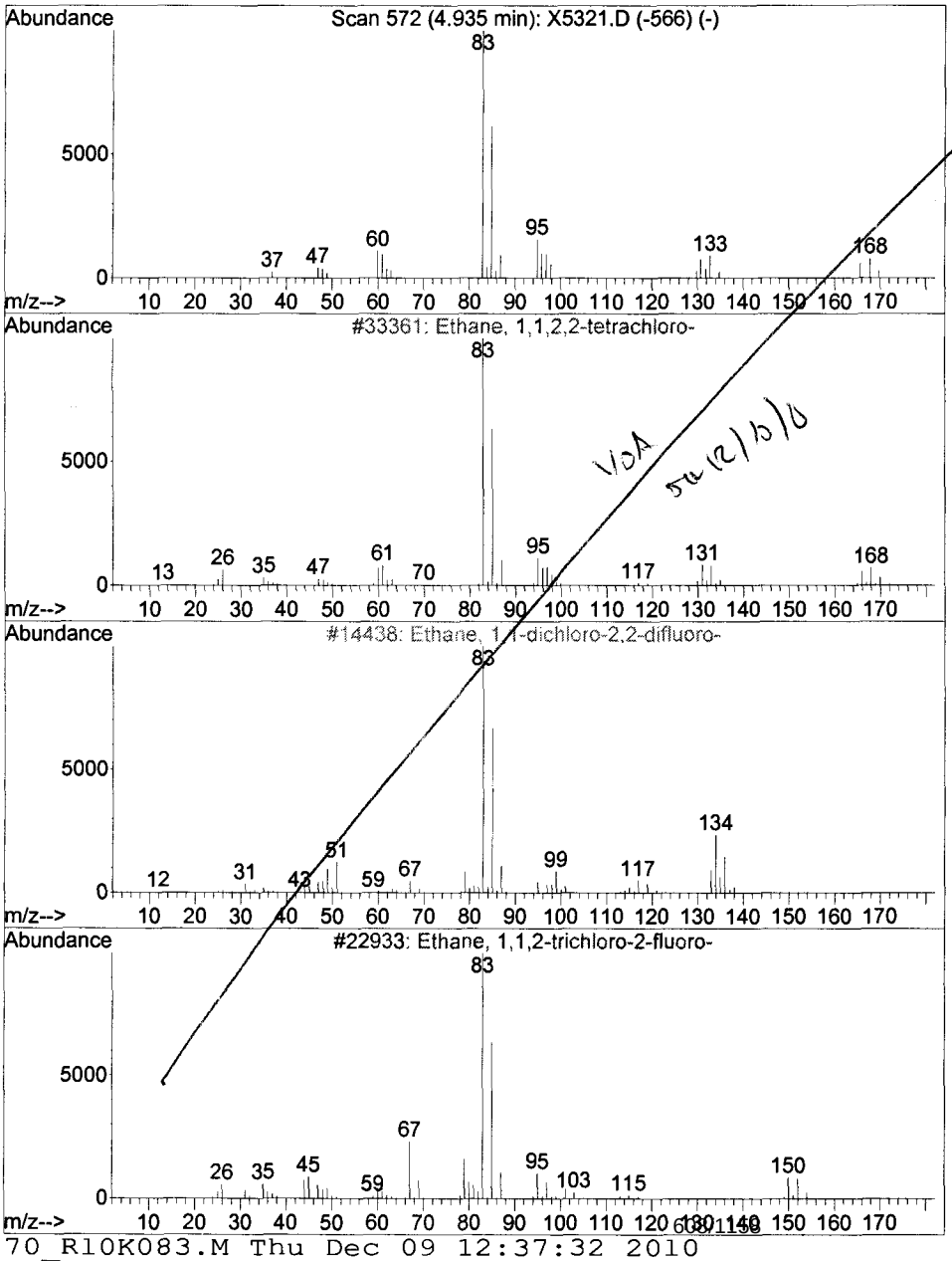
Library : C:\DATABASE\NIST02.L

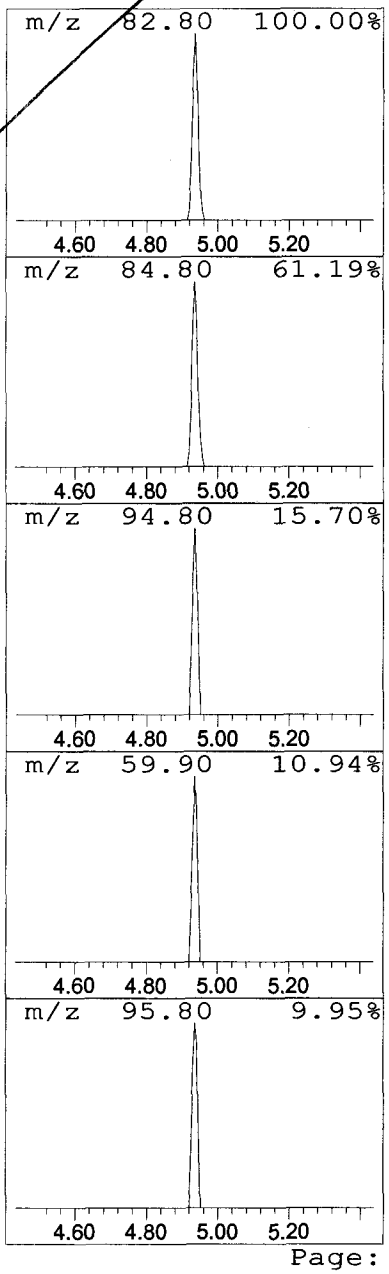
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Peak Number 1 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
4.94	6.59 ng	72664	CI30 1,4-Dichloro	441076	6.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	94
2	Ethane, 1,1-dichloro-2,2-difluoro-	134	C2H2Cl2F2	000471-43-2	53
3	Ethane, 1,1,2-trichloro-2-fluoro-	150	C2H2Cl3F	000359-28-4	50
4	Trichloromethane	118	CHCl3	000067-66-3	42
5	Methane, oxybis[dichloro-	182	C2H2Cl4O	020524-86-1	33





Library Search Compound Report

Data File : D:\DATA\120710\X5321.D
Acq On : 8 Dec 2010 5:21
Sample : RTL0572-13
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC

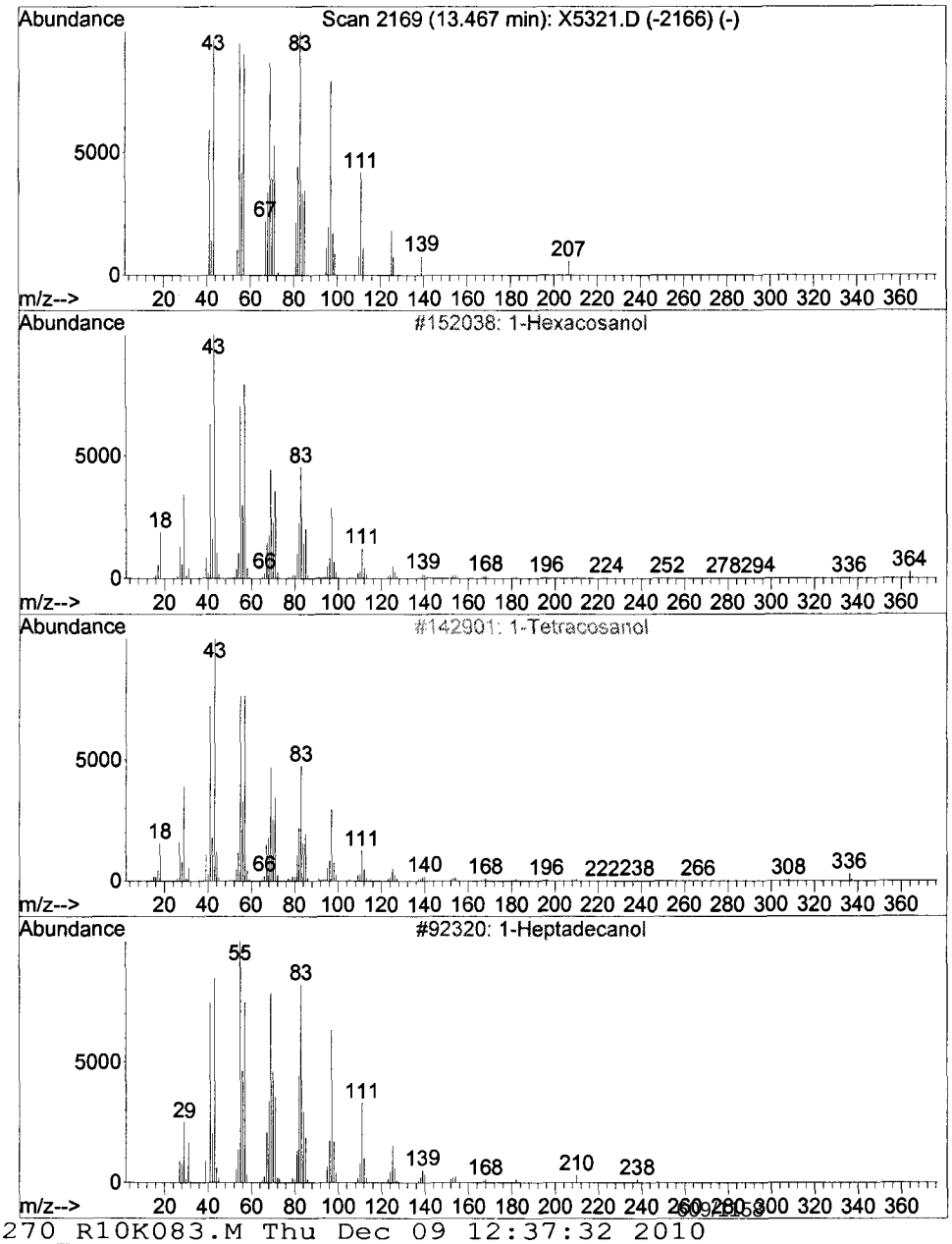
Library : C:\DATABASE\NIST02.L

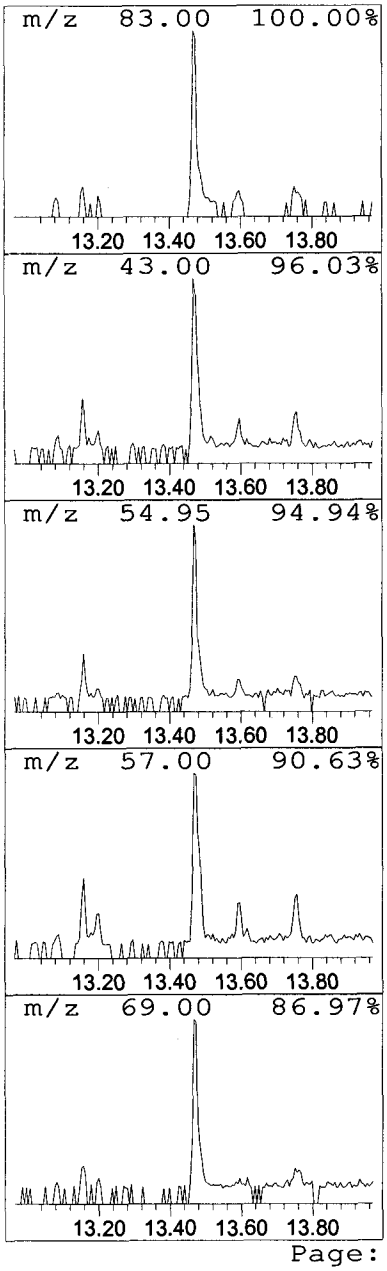
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Peak Number 2 1-Hexacosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
13.47	4.11 ng	92331	CI70 Chrysene-d12	898851	13.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosanol	382	C26H54O	000506-52-5	91
2	1-Tetracosanol	354	C24H50O	000506-51-4	91
3	1-Heptadecanol	256	C17H36O	001454-85-9	90
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
5	1-Pentadecanol	228	C15H32O	000629-76-5	87





Library Search Compound Report

Data File : D:\DATA\120710\X5321.D
Acq On : 8 Dec 2010 5:21
Sample : RTL0572-13
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC

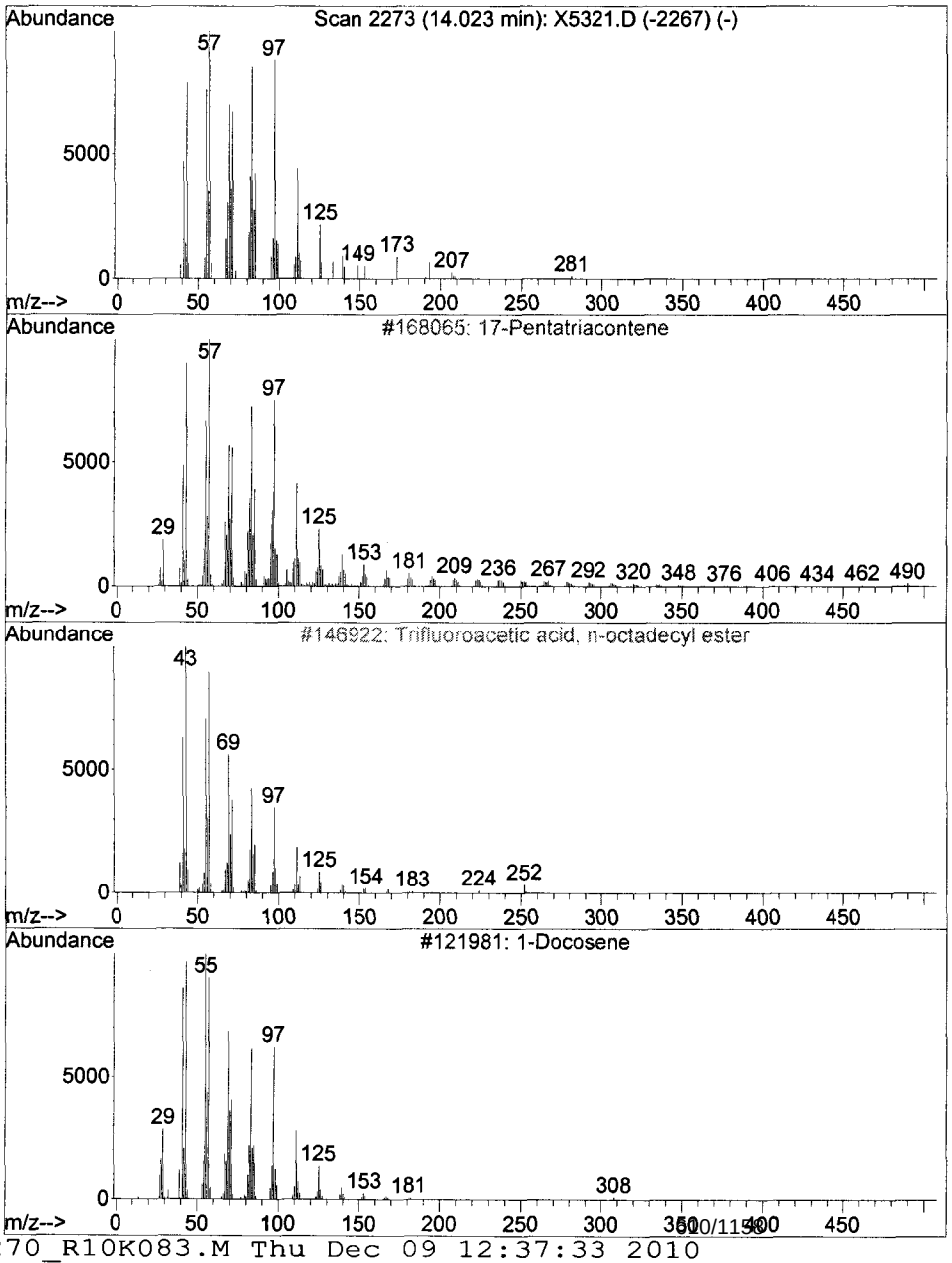
Library : C:\DATABASE\NIST02.L

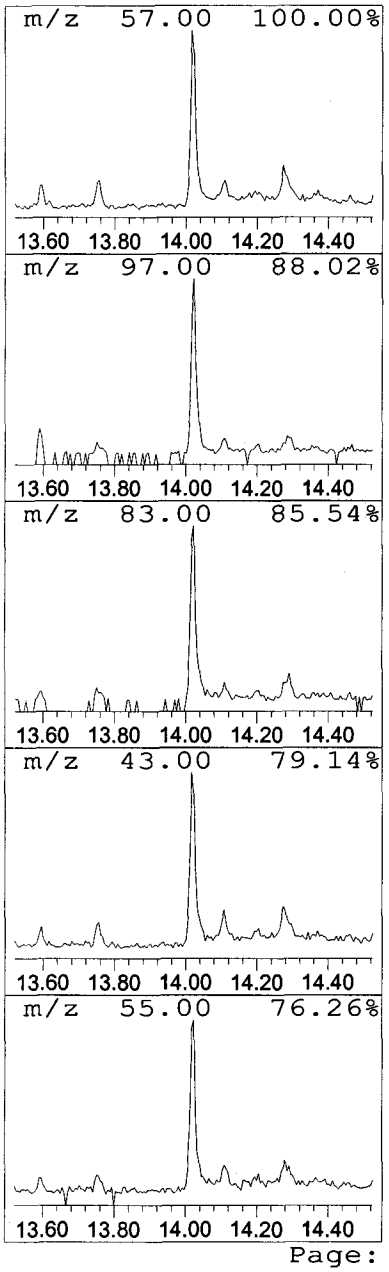
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Peak Number 3 17-Pentatriacontene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
14.02	6.57 ng	147604	CI70 Chrysene-d12	898851	13.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	91
2	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	90
3	1-Docosene	308	C22H44	001599-67-3	87
4	1-Hentetracontanol	593	C41H84O	040710-42-7	87
5	1-Octadecanol	270	C18H38O	000112-92-5	76





Library Search Compound Report

Data File : D:\DATA\120710\X5321.D
Acq On : 8 Dec 2010 5:21
Sample : RTL0572-13
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC

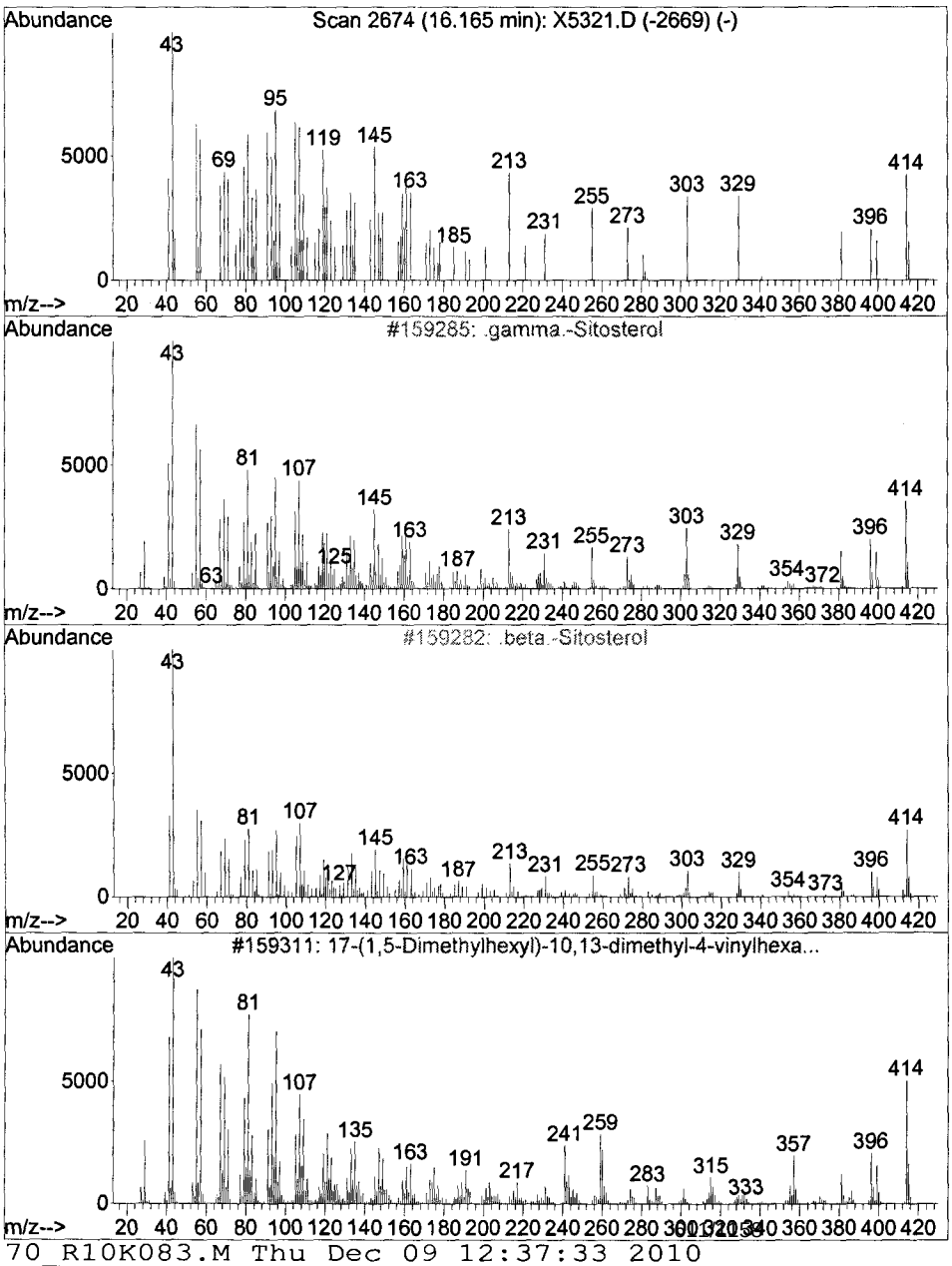
Library : C:\DATABASE\NIST02.L

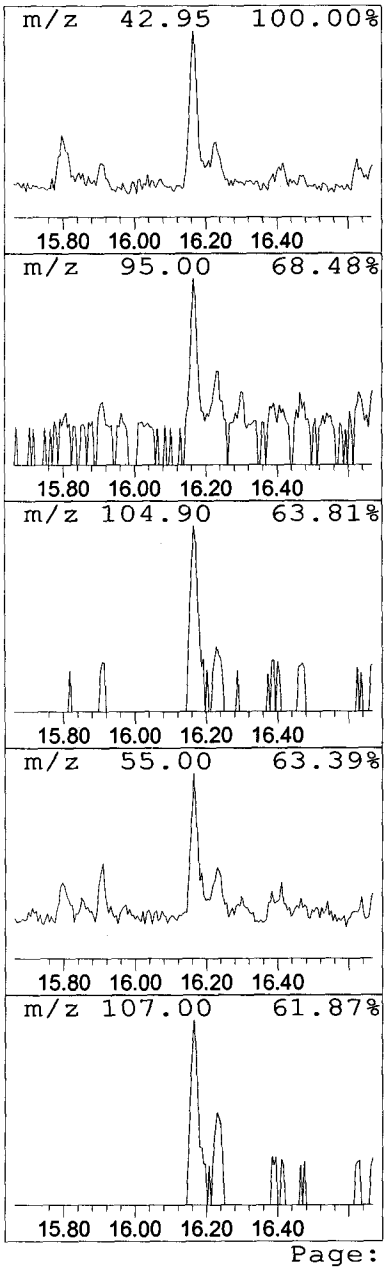
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Peak Number 4 .gamma.-Sitosterol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
16.16	4.44 ng	118622	CI75 Perylene-d12	1068170	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	99
3	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	56
4	Cholest-7-en-3-ol, 4,4-dimethyl-...	414	C29H50O	006384-28-7	46
5	Cholestan-3-one, 4,4-dimethyl-, ...	414	C29H50O	002097-85-0	25





Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120710\X5321.D
Acq On : 8 Dec 2010 5:21
Sample : RTL0572-13
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Ethane, 1,1,2,2-t...	4.94	6.6	ng	72664	1	6.00	441076	40.0
1-Hexacosanol	13.47	4.1	ng	92331	5	13.59	898851	40.0
17-Pentatriacontene	14.02	6.6	ng	147604	5	13.59	898851	40.0
.gamma.-Sitosterol	16.16	4.4	ng	118622	6	14.81	1068170	40.0

Please disregard the calculated values for the (COD) and the linear regression (linear r) on the form 6. Due to computer programming limitations they are stated incorrectly on this form. For correct values view the Response Factor Report from the instrument directly behind form 6. Test America's IT group is working to resolve the situation

Form 6

INITIAL CALIBRATION DATA

8270C

Laboratory: TestAmerica Buffalo

Client: PARS Environmental, Inc.

Calibration: R10K083

SDG: RTL0572

Project: NF Armed Forces Reserve Center Solids Testi

Instrument: HP5973X

Calibration Date: 11/18/10 01:17

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/ul	RF	ng/ul	RF	ng/ul	RF	ng/ul	RF	ng/ul	RF	ng/ul	RF
1,2,4-Trichlorobenzene	5	0.3753776	20	0.3855589	50	0.3610617	80	0.3476287	120	0.3299661	160	0.3206792
1,2-Dichlorobenzene	5	1.652465	20	1.665249	50	1.561364	80	1.482381	120	1.439056	160	1.422638
1,2-Diphenylhydrazine	5	1.291478	20	1.386551	50	1.310018	80	1.248088	120	1.179321	160	1.111204
1,3-Dichlorobenzene	5	1.696998	20	1.746702	50	1.649907	80	1.596048	120	1.550379	160	1.542945
1,4-Dichlorobenzene	5	1.759854	20	1.773748	50	1.672821	80	1.603712	120	1.567491	160	1.548219
2,2'-Oxybis(1-Chloropropane)	5	1.589841	20	1.658675	50	1.543932	80	1.525445	120	1.48248	160	1.526121
2,4,5-Trichlorophenol	5	0.3802002	20	0.432371	50	0.4379995	80	0.4379842	120	0.4142366	160	0.4032168
2,4,6-Tribromophenol	5	8.363742E-02	20	0.1078644	50	0.1115298	80	0.11438	120	0.1073686	160	0.1077875
2,4,6-Trichlorophenol	5	0.3220298	20	0.3968479	50	0.3943448	80	0.4009763	120	0.3854919	160	0.3732047
2,4-Dichlorophenol	5	0.3023667	20	0.3272635	50	0.3229828	80	0.3108638	120	0.2816506	160	0.2786554
2,4-Dimethylphenol	5	0.3483485	20	0.3897842	50	0.3892502	80	0.3860534	120	0.3766818	160	0.3758395
2,4-Dinitrophenol	10	4.284693E-02	20	0.1001433	50	0.1563298	80	0.186582	120	0.1928789	160	0.1976008
2,4-Dinitrotoluene	5	0.3064116	20	0.3941196	50	0.4201964	80	0.4078467	120	0.3918667	160	0.3725796
2,6-Dinitrotoluene	5	0.2066318	20	0.2922175	50	0.3136056	80	0.3166962	120	0.3081258	160	0.303439
2-Chloronaphthalene	5	1.194292	20	1.219433	50	1.154293	80	1.108803	120	1.057694	160	1.00079
2-Chlorophenol	5	1.468304	20	1.547668	50	1.465194	80	1.461512	120	1.415985	160	1.445922
2-Fluorobiphenyl	5	1.390079	20	1.388282	50	1.301675	80	1.252014	120	1.169905	160	1.108797
2-Fluorophenol	5	1.471899	20	1.611389	50	1.564508	80	1.560329	120	1.524631	160	1.56276
2-Methylnaphthalene	5	0.6966645	20	0.7135566	50	0.6772402	80	0.6380393	120	0.5988489	160	0.5828658
2-Methylphenol	5	1.26953	20	1.396093	50	1.325426	80	1.326572	120	1.285828	160	1.331006
2-Nitroaniline	5	0.2524256	20	0.3159272	50	0.3374619	80	0.3420045	120	0.3315832	160	0.327619
2-Nitrophenol	5	0.1493434	20	0.1940213	50	0.2038791	80	0.2103792	120	0.2030774	160	0.203086
3 & 4 Methylphenol	5	1.316382	20	1.47573	50	1.386923	80	1.329087	120	1.260493	160	1.277929
3,3'-Dichlorobenzidine	5	0.2726692	20	0.4025388	50	0.4468916	80	0.4612789	120	0.4418439	160	0.4274984
3-Nitroaniline	5	0.2329765	20	0.3185863	50	0.3364849	80	0.342145	120	0.3331219	160	0.3288239
4,6-Dinitro-2-methylphenol	10	7.084523E-02	20	0.1144087	50	0.1423581	80	0.1522015	120	0.1522725	160	0.1555892
4-Bromophenyl phenyl ether	5	0.2320136	20	0.2461938	50	0.2353807	80	0.2241537	120	0.2120716	160	0.206637
4-Chloro-3-methylphenol	5	0.2825671	20	0.3245143	50	0.3342523	80	0.3236489	120	0.3132595	160	0.3120309
4-Chloroaniline	5	0.4414521	20	0.4525393	50	0.4423965	80	0.4353144	120	0.4167401	160	0.4132784
4-Chlorophenyl phenyl ether	5	0.7523262	20	0.7344907	50	0.654991	80	0.5950678	120	0.5563932	160	0.5145971
4-Methylphenol	5	1.316382	20	1.47573	50	1.386923	80	1.329087	120	1.260493	160	1.277929
4-Nitroaniline	5	0.2458836	20	0.3384875	50	0.3464513	80	0.3509521	120	0.3456145	160	0.3414921
4-Nitrophenol	10	0.1277746	20	0.1668825	50	0.1874438	80	0.1948518	120	0.1944067	160	0.1961092
Acenaphthene	5	1.157103	20	1.148719	50	1.073993	80	1.014744	120	0.9651245	160	0.9202885
Acenaphthylene	5	1.640973	20	1.788953	50	1.734862	80	1.650712	120	1.568528	160	1.469526
Aniline	5	2.355015	20	2.44619	50	2.18125	80	2.257114	120	2.217109	160	2.284856
Anthracene	5	1.075272	20	1.169039	50	1.082117	80	1.001863	120	0.9384623	160	0.8927782
Benzidine	5	0.2596636	20	0.3648471	50	0.3552363	80	0.4645887	120	0.4675348	160	0.4730317
Benzo(a)anthracene	5	1.027604	20	1.129313	50	1.037657	80	0.9580205	120	0.9069994	160	0.8507839
Benzo(a)pyrene	5	0.7761275	20	0.9091383	50	0.9151485	80	0.8814079	120	0.8360255	160	0.8004805
Benzo(b)fluoranthene	5	1.010066	20	1.072654	50	1.081126	80	1.017805	120	0.9301454	160	0.9007888
Benzo(ghi)perylene	5	0.9487893	20	0.9956158	50	0.9864688	80	0.9642888	120	0.9436214	160	0.9406371
Benzo(k)fluoranthene	5	1.086436	20	1.189143	50	1.054306	80	0.9509898	120	0.9120961	160	0.8538281
Benzoic acid	100	0.200552	120	0.2152677	150	0.2268493	240	0.2369203	360	0.2317936	480	0.2417053

Form 6

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: TestAmerica Buffalo

Client: PARS Environmental, Inc.

Calibration: R10K083

SDG: RTL0572

Project: NF Armed Forces Reserve Center Solids Testi

Instrument: HP5973X

Calibration Date: 11/18/10 01:17

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/ul	RF	ng/ul	RF	ng/ul	RF	ng/ul	RF	ng/ul	RF	ng/ul	RF
Benzyl alcohol	5	0.863865	20	0.9757082	50	0.9833962	80	0.9820446	120	0.949392	160	0.9954232
Bis(2-chloroethoxy)methane	5	0.4780878	20	0.4864044	50	0.4570534	80	0.4359867	120	0.4116225	160	0.4135875
Bis(2-chloroethyl)ether	5	1.656524	20	1.712506	50	1.585818	80	1.568021	120	1.528945	160	1.554096
Bis(2-ethylhexyl) phthalate	5	0.4139397	20	0.5618592	50	0.5814761	80	0.5519421	120	0.5157573	160	0.4843332
Butyl benzyl phthalate	5	0.2923424	20	0.4079607	50	0.4354915	80	0.4275599	120	0.4029963	160	0.3835898
Carbazole	5	0.9986844	20	1.070991	50	0.9949153	80	0.9168652	120	0.8649017	160	0.8392225
Chrysene	5	1.104342	20	1.09156	50	1.071572	80	1.048418	120	0.9776265	160	0.9480941
Dibenzo(a,h)anthracene	5	0.9333389	20	1.020522	50	0.9942288	80	0.9186838	120	0.8863099	160	0.8692257
Dibenzofuran	5	1.788314	20	1.740508	50	1.617022	80	1.492862	120	1.39718	160	1.289831
Diethyl phthalate	5	1.147437	20	1.258945	50	1.228302	80	1.183948	120	1.147331	160	1.086208
Dimethyl phthalate	5	1.352714	20	1.392118	50	1.350938	80	1.316671	120	1.277001	160	1.232914
Di-n-butyl phthalate	5	0.9129618	20	1.16579	50	1.149345	80	1.08016	120	1.009837	160	0.9681398
Di-n-octyl phthalate	5	0.5004315	20	0.9046842	50	1.100006	80	1.166428	120	1.109634	160	1.072216
Fluoranthene	5	1.270316	20	1.389288	50	1.295656	80	1.167819	120	1.090424	160	1.03924
Fluorene	5	1.313285	20	1.332802	50	1.20457	80	1.092142	120	1.028357	160	0.9430563
Hexachlorobenzene	5	0.2700757	20	0.2626321	50	0.2503461	80	0.2377729	120	0.2217566	160	0.2172685
Hexachlorobutadiene	5	0.2247641	20	0.2296046	50	0.2132438	80	0.2069453	120	0.1957505	160	0.1890523
Hexachlorocyclopentadiene	5	0.3601618	20	0.4107525	50	0.4216697	80	0.4301468	120	0.4146725	160	0.3983532
Hexachloroethane	5	0.5638491	20	0.6073668	50	0.5825782	80	0.5743257	120	0.5656479	160	0.557883
Indeno(1,2,3-cd)pyrene	5	1.121661	20	1.196917	50	1.161975	80	1.099684	120	1.081363	160	1.082585
Isophorone	5	0.7048058	20	0.7939315	50	0.7869054	80	0.7682326	120	0.7373474	160	0.7447152
Naphthalene	5	1.125546	20	1.119399	50	1.04435	80	0.9777865	120	0.9290451	160	0.897362
Nitrobenzene	5	0.4102547	20	0.4479313	50	0.4341748	80	0.424492	120	0.4101855	160	0.4080002
Nitrobenzene-d5	5	0.3687668	20	0.4106844	50	0.4119931	80	0.4133853	120	0.3969515	160	0.4013888
N-Nitrosodimethylamine	5	1.175478	20	1.294543	50	1.242301	80	1.202534	120	1.225848	160	1.258928
N-Nitrosodi-n-propylamine	5	0.9736892	20	1.120796	50	1.055835	80	1.020134	120	0.9700549	160	1.000414
N-Nitrosodiphenylamine	5	0.4973232	20	0.5232791	50	0.4962983	80	0.4694452	120	0.4419304	160	0.4330221
Pentachlorophenol	10	0.1081461	20	0.1501774	50	0.1708619	80	0.173903	120	0.1676792	160	0.1663599
Phenanthrene	5	1.208622	20	1.168744	50	1.079473	80	0.9803519	120	0.9178454	160	0.874694
Phenol	5	2.056391	20	2.183291	50	2.054411	80	2.030088	120	1.984835	160	2.022309
Phenol-d5	5	1.804734	20	1.981605	50	1.870176	80	1.864767	120	1.812087	160	1.873555
p-Terphenyl-d14	5	0.7337777	20	0.7687734	50	0.7465258	80	0.7242	120	0.6847558	160	0.6679837
Pyrene	5	0.9894124	20	1.049299	50	1.020968	80	0.9794174	120	0.9309452	160	0.9053171
Pyridine	5	2.05268	20	2.178015	50	2.074574	80	1.992476	120	2.008506	160	2.059562
Tetraethyl-Lead	5	0.5675601	20	0.5859151	50	0.4327827	80	0.46163	120	0.4531855	160	0.4510275

Form 6

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: TestAmerica Buffalo

Client: PARS Environmental, Inc.

Calibration: R10K083

SDG: RTL0572

Project: NF Armed Forces Reserve Center Solids Testi

Instrument: HP5973X

Calibration Date: 11/18/10 01:17

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/ul	RF	ng/ul	RF	ng/ul	RF	ng/ul	RF	ng/ul	RF	ng/ul	RF
1,2,4,5-Tetrachlorobenzene	5	0.3613019	20	0.3565907	50	0.3308594	80	0.3230568	120	0.2999238	160	0.2896008
2,3,4,6-Tetrachlorophenol	5	0.1303563	20	0.2531189	50	0.2925939	80	0.3036992	120	0.300764	160	0.3006125
Acetophenone	5	1.745403	20	1.965858	50	1.900868	80	1.905801	120	1.828702	160	1.811754
Atrazine	5	0.1323298	20	0.1729816	50	0.195531	80	0.2009333	120	0.1946423	160	0.1957289
Benzaldehyde	5	1.05604	20	1.149327	50	1.138575	80	1.139364	120	1.088057	160	1.088979
Biphenyl	5	1.600456	20	1.598552	50	1.48401	80	1.430732	120	1.305481	160	1.241965
Caprolactam	5	3.130232E-02	20	8.119627E-02	50	0.1006765	80	0.10959	120	0.1129214	160	0.1150712

Form 6

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: TestAmerica Buffalo

Client: PARS Environmental, Inc.

Calibration: R10K083

SDG: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing

Instrument: HP5973X

Calibration Date: 11/18/10 01:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	r^2 or COD	LIMIT	Q
1,2,4,5-Tetrachlorobenzene	0.3268889	8.88143	8.81	2.247676E-02		15	
1,2,4-Trichlorobenzene	0.3533787	7.191352	7.71	0.0153155		15	
1,2-Dichlorobenzene	1.537192	6.886366	6.473333	7.839777E-02		15	
1,2-Diphenylhydrazine	1.254443	7.819848	10.615	5.201376E-02		15	
1,3,5-Trinitrobenzene	0.1436039	26.29975	10.84667	0.0485626	0.9992905	0.9801	
1,3-Dichlorobenzene	1.630497	5.025667	6.21	2.299345E-02		15	
1,3-Dinitrobenzene	0.1287863	6.20587	9.543333	5.337293E-02		15	
1,4-Dichlorobenzene	1.654308	5.866939	6.29	1.877306E-02		CCC (30)	
1,4-Dinitrobenzene	0.105227	13.17446	9.441666	0.0460921		15	
1,4-Dioxane	0.8185734	11.6047	2.693333	0.3836296		15	
1,4-Naphthoquinone	0.2016108	10.70251	9.37	2.117533E-03		15	
1-Naphthylamine	1.085145	10.03998	10.14333	5.331801E-02		15	
2,2'-Oxybis(1-Chloropropane)	1.554416	3.97088	6.603333	7.606049E-02		15	
2,3,4,6-Tetrachlorophenol	0.2635241	25.77248	10.21	1.398524E-02	0.9997461	0.9801	
2,4,5-Trichlorophenol	0.417668	5.529371	8.981666	4.162324E-02		15	
2,4,6-Tribromophenol	0.105428	10.45493	10.7	0.0142798		15	
2,4,6-Trichlorophenol	0.3788159	7.793548	8.946666	5.438526E-02		CCC (30)	
2,4-Dichlorophenol	0.3039638	6.731214	7.608333	5.312174E-02		CCC (30)	
2,4-Dimethylphenol	0.3776596	4.128029	7.383333	6.982332E-02		15	
2,4-Dinitrophenol	0.1460636	42.59855	9.901666	4.425904E-02	0.9992147	SPCC (0.05)	
2,4-Dinitrotoluene	0.3821701	10.57939	10.05333	4.917223E-02		15	
2,6-Dichlorophenol	0.2907737	6.604066	7.871667	5.057399E-02		15	
2,6-Dinitrotoluene	0.2901193	14.40618	9.585	5.583967E-02		15	
2-Acetylaminofluorene	0.5015412	17.32271	13.53167	8.666445E-02	0.9971016	0.9801	
2-Chloronaphthalene	1.122551	7.427772	9.178334	4.604094E-02		15	
2-Chlorophenol	1.467431	2.98413	6.023333	0.082872		15	
2-Fluorobiphenyl	1.268459	9.038842	9.045	5.869249E-02		15	
2-Fluorophenol	1.549253	3.025983	4.705	0.1173241		15	
2-Methylnaphthalene	0.6512025	8.188441	8.611666	4.902964E-02		15	
2-Methylphenol	1.322409	3.324525	6.573333	7.744336E-02		15	
2-Naphthylamine	1.150835	10.49668	10.23333	5.301169E-02		15	
2-Nitroaniline	0.3178369	10.46922	9.296667	8.882801E-02		15	
2-Nitrophenol	0.1939644	11.58581	7.32	1.664754E-02		CCC (30)	
2-Picoline	1.956673	8.060586	3.976667	0.1293209		15	
2-Toluidine	2.28717	9.933476	6.785	8.056938E-02		15	
3 & 4 Methylphenol	1.341091	5.915549	6.755	7.963273E-02		15	
3,3'-Dichlorobenzidine	0.4087868	17.02477	13.78167	3.249648E-02	0.9976999	0.9801	
3,3'-Dimethylbenzidine	0.7374322	8.087026	13.305	3.940796E-02		15	
3-Methylcholanthrene	0.2166841	4.936559	15.37833	4.828627E-02		15	
3-Nitroaniline	0.3153564	13.04202	9.783333	5.101002E-02		15	
4,6-Dinitro-2-methylphenol	0.1312792	25.33055	10.50667	7.802747E-02	0.9998574	0.9801	
4-Aminobiphenyl	1.437946	9.977915	11.225	4.941506E-02		15	
4-Bromophenyl phenyl ether	0.2260751	6.573503	10.965	4.730071E-02		15	
4-Chloro-3-methylphenol	0.3150455	5.677561	8.431667	4.442276E-02		CCC (30)	
4-Chloroaniline	0.4336201	3.569558	7.86	3.055508E-03		15	
4-Chlorophenyl phenyl ether	0.6346443	15.16808	10.44667	5.190055E-02	0.99161	0.9801	
4-Methylphenol	1.341091	5.915549	6.755	7.963273E-02		15	
4-Nitroaniline	0.3281468	12.35051	10.47	0.1477484		15	
4-Nitrophenol	0.1779114	15.11651	9.976667	7.959832E-02	0.9999204	SPCC (0.05)	
4-Nitroquinoline-1-oxide	9.376419E-02	35.42518	12.16667	4.386536E-02	0.997857	0.9801	

Form 6

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: TestAmerica Buffalo

SDG: RTL0572

Client: PARS Environmental, Inc.

Project: NF Armed Forces Reserve Center Solids Testing

Calibration: R10K083

Instrument: HP5973X

Calibration Date: 11/18/10 01:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	r^2 or COD	LIMIT	Q
7,12-Dimethylbenz[a]anthracene	0.5567857	7.801811	14.73	4.212292E-02		15	
a,a-Dimethylphenethylamine	2.980388	6.186143	7.58	0.013191		15	
Acenaphthene	1.046662	9.262851	9.868333	4.564304E-02		CCC (30)	
Acenaphthylene	1.642259	6.966201	9.66	7.874393E-03		15	
Acetophenone	1.859731	4.262076	6.741666	0.0607953		15	
Aniline	2.290256	4.227441	5.88	1.329984E-02		15	
Anthracene	1.026589	9.936619	11.48333	4.568465E-02		15	
Aramite	8.287058E-02	9.986186	12.93333	3.850534E-02		15	
Atrazine	0.1820245	14.40651	11.13667	4.658646E-02		15	
Benzaldehyde	1.110057	3.385218	5.741666	7.138375E-02		15	
Benzidine	0.3974837	21.63087	12.67	0.0115572	0.9956159	0.9801	
Benzo(a)anthracene	0.985063	10.17596	13.80667	3.581416E-02		15	
Benzo(a)pyrene	0.8530547	6.790339	15.04833	4.979334E-02		CCC (30)	
Benzo(b)fluoranthene	1.002098	7.329614	14.745	3.719589E-02		15	
Benzo(ghi)perylene	0.9632369	2.409554	16.54167	0.1104262		15	
Benzo(k)fluoranthene	1.0078	12.33964	14.77333	5.492007E-02		15	
Benzoic acid	0.2255147	6.758683	7.571667	0.610489		15	
Benzyl alcohol	0.9583049	5.084809	6.433333	8.171527E-02		15	
Biphenyl	1.443533	10.28187	9.16	0.0218314		15	
Bis(2-chloroethoxy)methane	0.4471237	7.149427	7.49	1.523364E-02		15	
Bis(2-chloroethyl)ether	1.600985	4.34782	5.955	8.914754E-02		15	
Bis(2-ethylhexyl) phthalate	0.5182179	11.91781	13.81	9.251617E-03		15	
Butyl benzyl phthalate	0.3916568	13.28348	13.31333	4.019396E-02		15	
Caprolactam	9.179295E-02	34.98119	8.23	0.1723115	0.9995002	0.9801	
Carbazole	0.9475967	9.391943	11.64167	6.364883E-02		15	
Chlorobenzilate	0.348055	7.371603	13.055	4.337769E-02		15	
Chrysene	1.040269	6.110462	13.845	4.092152E-02		15	
Diallate	0.3641971	20.27308	10.89	1.492901E-02	0.9873773	0.9801	
Dibenzo(a,h)anthracene	0.9370515	6.360736	16.22333	7.252784E-02		15	
Dibenzofuran	1.554286	12.60028	10.06167	3.651203E-02		15	
Diethyl phthalate	1.175362	5.296399	10.33667	5.106781E-02		15	
Dimethoate	0.4547168	6.0743	11.06	7.963191E-02		15	
Dimethyl phthalate	1.320393	4.373194	9.525	5.630736E-02		15	
Di-n-butyl phthalate	1.047706	9.663086	11.985	4.728173E-02		15	
Di-n-octyl phthalate	0.9755666	25.52368	14.35	1.693416E-02	0.9968456	CCC (30)	
Dinoseb	0.1541568	18.25787	11.42667	4.745475E-02	0.9949724	0.9801	
Diphenylamine	1.074731	11.65691	10.57167	3.709394E-02		15	
Disulfoton	0.337478	19.3258	11.42333	4.398576E-02	0.9853366	0.9801	
Ethyl Methanesulfonate	1.219334	9.206285	5.335	0.1032852		15	
Famphur	0.4496286	14.0444	13.26167	3.065034E-02		15	
Fluoranthene	1.20879	10.99664	12.555	0.0451052		CCC (30)	
Fluorene	1.152369	13.6654	10.44167	0.0399636		15	
Hexachlorobenzene	0.2433087	8.83913	11.04167	3.653757E-02		15	
Hexachlorobutadiene	0.2098934	7.574999	7.96	1.761732E-02		CCC (30)	
Hexachlorocyclopentadiene	0.4059594	6.11973	8.81	2.247676E-02		SPCC (0.05)	
Hexachloroethane	0.5752751	3.119118	6.876667	7.407013E-02		15	
Hexachlorophene	4.040831E-02	16.3103	14.89	0.0604962	0.9895984	0.99	*
Hexachloropropene	0.2305446	6.067868	7.91	1.653285E-02		15	
Indeno(1,2,3-cd)pyrene	1.124031	4.151727	16.22	7.650975E-02		15	
Isodrin	0.1222656	12.01714	12.42167	3.993896E-02		15	

Form 6

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Calibration: R10K083
Instrument: HP5973X
Calibration Date: 11/18/10 01:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	r^2 or COD	LIMIT	Q
Isophorone	0.7559897	4.4425	7.233333	6.972514E-02		15	
Isosafrole	0.2644228	6.295022	9.12	1.867383E-02		15	
Kepone	7.297246E-02	27.87302	13.36	1.342167E-02	0.9959059	0.9801	
Methapyrilene	0.3291963	12.9277	12.32	0.3945446		15	
Methyl Methanesulfonate	0.8014675	9.405347	4.47	0.1409567		15	
Naphthalene	1.015581	9.504977	7.795	7.213345E-02		15	
Nitrobenzene	0.4225064	3.814732	6.943333	7.479951E-02		15	
Nitrobenzene-d5	0.4005283	4.210825	6.92	1.640706E-02		15	
N-Nitro-o-toluidine	0.3555391	5.485179	10.45333	5.091921E-02		15	
N-Nitrosodiethylamine	0.8080157	6.167209	4.971666	8.017329E-02		15	
N-Nitrosodimethylamine	1.233272	3.408263	3.013333	0.2701833		15	
N-Nitrosodi-n-butylamine	0.2360588	11.54568	8.266667	5.937106E-02		15	
N-Nitrosodi-n-propylamine	1.023487	5.594655	6.756667	0.1204272		SPCC (0.05)	
N-Nitrosodiphenylamine	0.476883	7.353187	10.575	5.235964E-02		CCC (30)	
N-Nitrosomethylethylamine	0.8743809	6.037189	4.086667	0.1264888		15	
N-Nitrosomorpholine	0.6646407	10.96642	6.753333	7.544192E-02		15	
N-Nitrosopiperidine	0.6726075	7.324834	7.11	1.346092E-02		15	
N-Nitrosopyrrolidine	0.7561512	5.996984	6.703333	7.528865E-02		15	
O,O,O-Triethyl phosphorothioate	0.7662254	9.557732	7.465	7.199282E-02		15	
Parathion-ethyl	0.1283427	13.63523	12.14667	4.660965E-02		15	
Parathion-methyl	0.2096326	9.146675	11.78	2.437024E-02		15	
p-Dimethylamino azobenzene	0.3230458	6.784935	13.01167	2.760143E-02		15	
Pentachlorobenzene	0.525361	13.03905	10.03	2.052034E-02		15	
Pentachloroethane	0.5726912	9.771757	5.936667	8.587164E-02		15	
Pentachloronitrobenzene	0.1712176	5.70816	11.25667	4.596608E-02		15	
Pentachlorophenol	0.1561879	15.96485	11.23167	3.854713E-02	0.9986462	CCC (30)	
Phenacetin	0.5918946	7.145119	10.91167	0.1068761		15	
Phenanthrene	1.038288	13.0896	11.43667	5.067934E-02		15	
Phenol	2.055221	3.305328	5.85	0.1541514		CCC (30)	
Phenol-d5	1.867821	3.392882	5.835	9.443468E-02		15	
Phorate	0.7014052	15.19395	10.89333	4.833473E-02	0.9875639	0.9801	
Phthalic anhydride	0.1460587	53.52532	8.665	6.238226E-02		15	*
p-Phenylene diamine	1.516783	9.523683	8.266667	5.937106E-02		15	
Pronamide	0.2993122	6.776502	11.30333	4.356342E-02		15	
p-Terphenyl-d14	0.7210027	5.274736	12.89	5.244929E-02		15	
Pyrene	0.9792265	5.508886	12.75833	3.719607E-02		15	
Pyridine	2.060969	3.174256	3.08	0.3561196		15	
Safrole	0.2765797	9.620415	8.51	1.340775E-02		15	
Sulfotepp	0.2462515	6.483329	10.76	1.356797E-02		15	
Tetraethyl-Lead	0.4920168	13.52572	7.451667	5.693398E-02		15	
Thionazin	0.2523541	4.897698	10.42167	3.772478E-02		15	

Response Factor Report HP5973X

Method Path : C:\MSDCHEM\1\METHODS\8270\
Method File : 8270_R10K083.M
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:23:24 2010
Response Via : Initial Calibration

Calibration Files
5 =X4277.D 20 =X4276.D 50 =X4275.D
80 =X4274.D 120 =X4273.D 160 =X4272.D

		Compound	5	20	50	80	120	160	Avg	%RSD
1)	I	CI30 1,4-Dichlorobenz	----------ISTD----------							
2)	T	C705 n-nitrosodidim	1.175	1.295	1.242	1.203	1.226	1.259	1.233	3.41
3)		E100 Pyridine	2.053	2.178	2.075	1.992	2.009	2.060	2.061	3.17
4)	S	CS50 2-Fluorophenol	1.472	1.611	1.565	1.560	1.525	1.563	1.549	3.03
5)	TC	C325 bis(2-Chloroet	1.657	1.713	1.586	1.568	1.529	1.554	1.601	4.35
6)	S	CS45 Phenol-d5	1.805	1.982	1.870	1.865	1.812	1.874	1.868	3.39
7)	S	CS70 2-chlorophenol	1.346	1.489	1.423	1.419	1.377	1.412	1.411	3.42
8)	MC	C315 Phenol	2.056	2.183	2.054	2.030	1.985	2.022	2.055	3.31
9)	MC	C330 2-Chlorophenol	1.468	1.548	1.465	1.462	1.416	1.446	1.467	2.98
10)	T	C320 aniline	2.355	2.446	2.181	2.257	2.217	2.285	2.290	4.23
11)	TC	C335 1,3-Dichlorobe	1.697	1.747	1.650	1.596	1.550	1.543	1.630	5.03
12)	MC	C340 1,4-Dichlorobe	1.760	1.774	1.673	1.604	1.567	1.548	1.654	5.87
13)	S	CS75 1,2-dichlorobe	0.980	1.007	0.942	0.910	0.876	0.880	0.932	5.74
14)	TC	C350 1,2-Dichlorobe	1.652	1.665	1.561	1.482	1.439	1.423	1.537	6.89
15)	T	C345 Benzyl alcohol	0.864	0.976	0.983	0.982	0.949	0.995	0.958	5.08
16)	T	C360 bis(2-chlorois	1.590	1.659	1.544	1.525	1.482	1.526	1.554	3.97
17)	TC	C355 2-Methylphenol	1.270	1.396	1.325	1.327	1.286	1.331	1.322	3.32
18)	TC	C375 Hexachloroetha	0.564	0.607	0.583	0.574	0.566	0.558	0.575	3.12
19)	MC	C370 N-Nitroso-di-n	0.974	1.121	1.056	1.020	0.970	1.000	1.023	5.59
20)	TC	C365 4-Methylphenol	1.316	1.476	1.387	1.329	1.260	1.278	1.341	5.92
21)	I	CI40 Naphthalene-d8	----------ISTD----------							
22)	S	CS20 Nitrobenzene-d	0.369	0.411	0.412	0.413	0.397	0.401	0.401	4.21
23)	TC	C410 Nitrobenzene	0.410	0.448	0.434	0.424	0.410	0.408	0.423	3.81
24)	TC	C415 Isophorone	0.705	0.794	0.787	0.768	0.737	0.745	0.756	4.44
25)		C011 Tetraethyl Lea	0.159	0.159	0.120	0.127	0.124	0.119	0.135	14.21
26)	T	C430 benzoic acid	0.201	0.215	0.227	0.237	0.232	0.242	0.226	6.76
27)	TC	C420 2-Nitrophenol	0.149	0.194	0.204	0.210	0.203	0.203	0.194	11.59
28)	TC	C425 2,4-Dimethylph	0.348	0.390	0.389	0.386	0.377	0.376	0.378	4.13
29)	TC	C435 bis(2-Chloroet	0.478	0.486	0.457	0.436	0.412	0.414	0.447	7.15
30)	TC	C440 2,4-Dichloroph	0.302	0.327	0.323	0.311	0.282	0.279	0.304	6.73
31)	MC	C445 1,2,4-Trichlor	0.375	0.386	0.361	0.348	0.330	0.321	0.353	7.19
32)	TC	C450 Naphthalene	1.126	1.119	1.044	0.978	0.929	0.897	1.016	9.50
33)	T	C455 4-Chloroanilin	0.441	0.453	0.442	0.435	0.417	0.413	0.434	3.57
34)	T	C460 Hexachlorobuta	0.225	0.230	0.213	0.207	0.196	0.189	0.210	7.57
35)	MC	C465 4-Chloro-3-met	0.283	0.325	0.334	0.324	0.313	0.312	0.315	5.68
36)	TC	C470 2-Methylnaphth	0.697	0.714	0.677	0.638	0.599	0.583	0.651	8.19
37)	I	CI50 Acenaphthene-d10	----------ISTD----------							
38)	T	C510 Hexachlorocycl	0.360	0.411	0.422	0.430	0.415	0.398	0.406	6.12
39)	TC	C515 2,4,6-Trichlor	0.322	0.397	0.394	0.401	0.385	0.373	0.379	7.79
40)	TC	C520 2,4,5-Trichlor	0.380	0.432	0.438	0.438	0.414	0.403	0.418	5.53
41)	S	CS25 2-Fluorobiphen	1.390	1.388	1.302	1.252	1.170	1.109	1.268	9.04
42)	TC	C525 2-Chloronaphth	1.194	1.219	1.154	1.109	1.058	1.001	1.123	7.43
43)	T	C530 2-Nitroaniline	0.252	0.316	0.337	0.342	0.332	0.328	0.318	10.47
44)	MC	C540 Acenaphthylene	1.641	1.789	1.735	1.651	1.569	1.470	1.642	6.97
45)	T	C535 Dimethylphthal	1.353	1.392	1.351	1.317	1.277	1.233	1.320	4.37
46)	TC	C542 2,6-Dinitrotol	0.207	0.292	0.314	0.317	0.308	0.303	0.290	14.41
47)	TC	C550 Acenaphthene	1.157	1.149	1.074	1.015	0.965	0.920	1.047	9.26
48)	T	C545 3-Nitroaniline	0.233	0.319	0.336	0.342	0.333	0.329	0.315	13.04
49)	T	C555 2,4-Dinitrophe	0.043	0.100	0.156	0.187	0.193	0.198	-----	
								L	M= 0.210 R=0.999	
									B= -0.053	
50)	TC	C565 Dibenzofuran	1.788	1.741	1.617	1.493	1.397	1.290	1.554	12.60
51)	MC	C570 2,4-Dinitrotol	0.306	0.394	0.420	0.408	0.392	0.373	0.382	10.58
52)	M	C560 4-Nitrophenol	0.128	0.167	0.187	0.195	0.194	0.196	-----	
								L	M= 0.200 R=1.000	
									B= -0.016	

Method Path : C:\MSDCHEM\1\METHODS\8270\
Method File : 8270_R10K083.M
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:23:24 2010
Response Via : Initial Calibration

Calibration Files
5 =X4277.D 20 =X4276.D 50 =X4275.D
80 =X4274.D 120 =X4273.D 160 =X4272.D

53)	TC	C590	Fluorene	1.313	1.333	1.205	1.092	1.028	0.943	1.152	13.67
54)	TC	C585	4-Chlorophenyl	0.752	0.734	0.655	0.595	0.556	0.515	-----	
									L	M= 0.504	R=0.992
										B= 0.119	
55)	T	C580	Diethylphthala	1.147	1.259	1.228	1.184	1.147	1.086	1.175	5.30
56)	T	C620	1,2-diphenylhy	1.291	1.387	1.310	1.248	1.179	1.111	1.254	7.82
57)	T	C595	4-Nitroaniline	0.246	0.338	0.346	0.351	0.346	0.341	0.328	12.35
58)	I	CI60	Phenanthrene-d10	----------ISTD----------							
59)	T	C610	4,6-Dinitro-2-	0.071	0.114	0.142	0.152	0.152	0.156	-----	
									L	M= 0.161	R=1.000
										B= -0.022	
60)	T	C615	n-Nitrosodiphe	0.497	0.523	0.496	0.469	0.442	0.433	0.477	7.35
61)	S	CS55	2,4,6-Tribromo	0.084	0.108	0.112	0.114	0.107	0.108	0.105	10.45
62)	TC	C625	4-Bromophenyl-	0.232	0.246	0.235	0.224	0.212	0.207	0.226	6.57
63)	TC	C630	Hexachlorobenz	0.270	0.263	0.250	0.238	0.222	0.217	0.243	8.84
64)	MC	C635	Pentachlorophe	0.108	0.150	0.171	0.174	0.168	0.166	-----	
									L	M= 0.170	R=0.999
										B= -0.006	
65)	TC	C640	Phenanthrene	1.209	1.169	1.079	0.980	0.918	0.875	1.038	13.09
66)	TC	C645	Anthracene	1.075	1.169	1.082	1.002	0.938	0.893	1.027	9.94
67)	T	C647	carbazole	0.999	1.071	0.995	0.917	0.865	0.839	0.948	9.39
68)	T	C650	Di-n-butylphth	0.913	1.166	1.149	1.080	1.010	0.968	1.048	9.66
69)	TC	C655	Fluoranthene	1.270	1.389	1.296	1.168	1.090	1.039	1.209	11.00
70)	I	CI70	Chrysene-d12	----------ISTD----------							
71)	MC	C715	Pyrene	0.989	1.049	1.021	0.979	0.931	0.905	0.979	5.51
72)	T	C710	benzidine	0.260	0.365	0.355	0.465	0.468	0.473	-----	
									L	M= 0.489	R=0.996
										B= -0.072	
73)	S	CS30	Terphenyl-d14	0.734	0.769	0.747	0.724	0.685	0.668	0.721	5.27
74)	T	C720	Butylbenzylpht	0.292	0.408	0.435	0.428	0.403	0.384	0.392	13.28
75)	T	C725	3,3'-Dichlorob	0.273	0.403	0.447	0.461	0.442	0.427	-----	
									L	M= 0.436	R=0.998
										B= 0.001	
76)	TC	C730	Benzo[a]anthra	1.028	1.129	1.038	0.958	0.907	0.851	0.985	10.18
77)	TC	C735	Chrysene	1.104	1.092	1.072	1.048	0.978	0.948	1.040	6.11
78)	T	C740	bis(2-Ethylhex	0.414	0.562	0.581	0.552	0.516	0.484	0.518	11.92
79)	T	C760	Di-n-octylphth	0.500	0.905	1.100	1.166	1.110	1.072	-----	
									L	M= 1.106	R=0.997
										B= -0.032	
80)	I	CI75	Perylene-d12	----------ISTD----------							
81)	TC	C765	Benzo[b]fluora	1.010	1.073	1.081	1.018	0.930	0.901	1.002	7.33
82)	TC	C770	Benzo[k]fluora	1.086	1.189	1.054	0.951	0.912	0.854	1.008	12.34
83)	TC	C775	Benzo[a]pyrene	0.776	0.909	0.915	0.881	0.836	0.800	0.853	6.79
84)	TC	C780	Indeno[1,2,3-c	1.122	1.197	1.162	1.100	1.081	1.083	1.124	4.15
85)	TC	C785	Dibenz[a,h]ant	0.933	1.021	0.994	0.919	0.886	0.869	0.937	6.36
86)	TC	C790	Benzo[g,h,i]pe	0.949	0.996	0.986	0.964	0.944	0.941	0.963	2.41

Total Average %RSD 7.24

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

8270_R10K083.M Thu Nov 18 09:23:40 2010

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4277.D
Acq On : 18 Nov 2010 3:11
Sample : T005247-CAL1
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:11:06 2010

Vial: 7
Operator: JLG
Inst : HP5973X
Multiplr: 1.00
Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4275.D (18 Nov 2010 2:25)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.27	152	68983	40.00	ng	0.00 91.60%
21) CI40 Naphthalene-d8	7.77	136	245662	40.00	ng	0.00 90.69%
37) CI50 Acenaphthene-d10	9.83	164	135739	40.00	ng	0.00 87.71%
58) CI60 Phenanthrene-d10	11.41	188	241710	40.00	ng	0.00 85.54%
70) CI70 Chrysene-d12	13.81	240	339547	40.00	ng	0.00 93.30%
80) CI75 Perylene-d12	15.10	264	381092	40.00	ng	0.00 85.27%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.71	112	12692	4.75	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 3.17%			
6) CS45 Phenol-d5	5.83	99	15562	4.83	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 3.22%			
7) CS70 2-chlorophenol-d4	6.00	132	11610	4.77	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 3.18%			
13) CS75 1,2-dichlorobenzene-d	6.46	152	8448	5.25	ng	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 5.25%			
22) CS20 Nitrobenzene-d5	6.92	82	11324	4.60	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 4.60%			
41) CS25 2-Fluorobiphenyl	9.04	172	23586	5.48	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 5.48%			
61) CS55 2,4,6-Tribromophenol	10.70	330	2527	3.97	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 2.65%			
73) CS30 Terphenyl-d14	12.88	244	31144	5.09	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 5.09%			

Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	3.02	74	10136	4.77	ng	82
3) E100 Pyridine	3.09	79	17700	4.98	ng	# 70
5) C325 bis(2-Chloroethyl)eth	5.95	93	14284	5.17	ng	# 64
8) C315 Phenol	5.84	94	17732	4.97	ng	83
9) C330 2-Chlorophenol	6.02	128	12661	5.00	ng	92
10) C320 aniline	5.88	93	20307	5.15	ng	83
11) C335 1,3-Dichlorobenzene	6.21	146	14633	5.20	ng	98
12) C340 1,4-Dichlorobenzene	6.29	146	15175	5.32	ng	97
14) C350 1,2-Dichlorobenzene	6.47	146	14249	5.37	ng	96
15) C345 Benzyl alcohol	6.43	108	7449	4.51	ng	# 83
16) C360 bis(2-chloroisopropyl	6.60	45	13709	5.11	ng	72
17) C355 2-Methylphenol	6.57	108	10947	4.80	ng	98
18) C375 Hexachloroethane	6.88	117	4862	4.90	ng	# 73
19) C370 N-Nitroso-di-n-propyl	6.75	70	8396	4.76	ng	# 56
20) C365 4-Methylphenol	6.75	108	11351	4.91	ng	98
23) C410 Nitrobenzene	6.94	77	12598	4.86	ng	88
24) C415 Isophorone	7.23	82	21643	4.66	ng	92
25) C011 Tetraethyl Lead	7.45	237	4894	5.92	ng	# 46
26) C430 benzoic acid	7.52	122	123170	88.93	ng	# 66
27) C420 2-Nitrophenol	7.32	139	4586	3.85	ng	91
28) C425 2,4-Dimethylphenol	7.38	107	10697	4.61	ng	99
29) C435 bis(2-Chloroethoxy)me	7.49	93	14681	5.35	ng	88
30) C440 2,4-Dichlorophenol	7.60	162	9285	4.97	ng	96

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4277.D Vial: 7
Acq On : 18 Nov 2010 3:11 Operator: JLG
Sample : T005247-CAL1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 18 09:11:06 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4275.D (18 Nov 2010 2:25)

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
31) C445 1,2,4-Trichlorobenzen	7.71	180	11527	5.31 ng		95
32) C450 Naphthalene	7.79	128	34563	5.54 ng		98
33) C455 4-Chloroaniline	7.86	127	13556	5.09 ng		97
34) C460 Hexachlorobutadiene	7.96	225	6902	5.35 ng		96
35) C465 4-Chloro-3-methylphen	8.43	107	8677	4.48 ng		96
36) C470 2-Methylnaphthalene	8.61	142	21393	5.35 ng		100
38) C510 Hexachlorocyclopentad	8.81	237	6111	4.44 ng		96
39) C515 2,4,6-Trichlorophenol	8.94	196	5464	4.25 ng		97
40) C520 2,4,5-Trichlorophenol	8.98	196	6451	4.55 ng		94
42) C525 2-Chloronaphthalene	9.17	162	20264	5.32 ng		96
43) C530 2-Nitroaniline	9.29	65	4283	3.97 ng	#	78
44) C540 Acenaphthylene	9.66	152	27843	5.00 ng		96
45) C535 Dimethylphthalate	9.52	163	22952	5.12 ng		99
46) C542 2,6-Dinitrotoluene	9.58	165	3506	3.56 ng		99
47) C550 Acenaphthene	9.86	153	19633	5.53 ng		97
48) C545 3-Nitroaniline	9.78	138	3953	3.69 ng		89
49) C555 2,4-Dinitrophenol	9.90	184	1454m	2.93 ng		0
50) C565 Dibenzofuran	10.06	168	30343	5.75 ng		95
51) C570 2,4-Dinitrotoluene	10.05	165	5199m	4.01 ng		47
52) C560 4-Nitrophenol	9.97	109	4336	7.18 ng	#	82
53) C590 Fluorene	10.44	166	22283	5.70 ng		97
54) C585 4-Chlorophenyl-phenyl	10.44	204	12765	5.93 ng		96
55) C580 Diethylphthalate	10.33	149	19469	4.88 ng		93
56) C620 1,2-diphenylhydrazine	10.61	77	21913	5.15 ng		79
57) C595 4-Nitroaniline	10.45	138	4172	3.75 ng		99
59) C610 4,6-Dinitro-2-methylp	10.50	198	4281	5.40 ng	#	70
60) C615 n-Nitrosodiphenylamin	10.57	169	15026	5.21 ng		93
62) C625 4-Bromophenyl-phenyle	10.96	248	7010	5.13 ng		96
63) C630 Hexachlorobenzene	11.04	284	8160	5.55 ng		91
64) C635 Pentachlorophenol	11.23	266	6535	6.92 ng		97
65) C640 Phenanthrene	11.43	178	36517	5.82 ng		99
66) C645 Anthracene	11.48	178	32488	5.24 ng		99
67) C647 carbazole	11.63	167	30174	5.27 ng		95
68) C650 Di-n-butylphthalate	11.98	149	27584	4.36 ng		99
69) C655 Fluoranthene	12.55	202	38381	5.25 ng		91
71) C715 Pyrene	12.75	202	41994	5.05 ng		93
72) C710 benzidine	12.67	184	11021	3.27 ng	#	65
74) C720 Butylbenzylphthalate	13.31	149	12408	3.73 ng		95
75) C725 3,3'-Dichlorobenzidin	13.78	252	11573	3.34 ng		98
76) C730 Benzo[a]anthracene	13.80	228	43615	5.22 ng		98
77) C735 Chrysene	13.84	228	46872	5.31 ng		99
78) C740 bis(2-Ethylhexyl)phth	13.81	149	17569	3.99 ng		96
79) C760 Di-n-octylphthalate	14.35	149	21240	2.56 ng		98
81) C765 Benzo[b]fluoranthene	14.74	252	48116	5.04 ng		97
82) C770 Benzo[k]fluoranthene	14.76	252	51754	5.39 ng		98
83) C775 Benzo[a]pyrene	15.04	252	36972	4.55 ng		99
84) C780 Indeno[1,2,3-cd]pyren	16.21	276	53432	4.99 ng		95
85) C785 Dibenz[a,h]anthracene	16.21	278	44461	4.98 ng		95
86) C790 Benzo[g,h,i]perylene	16.52	276	45197	4.93 ng		98

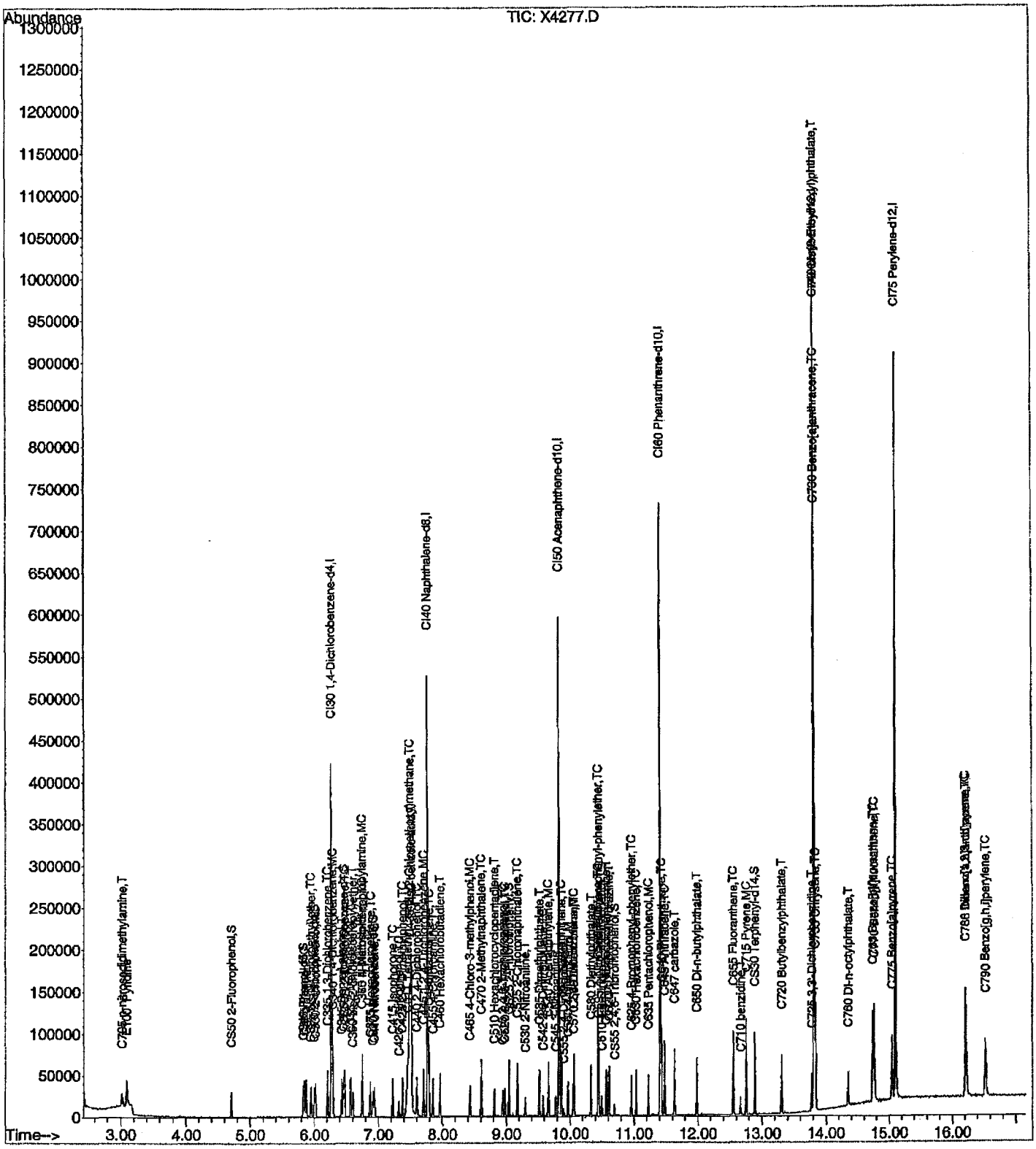
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4277.D
Acq On : 18 Nov 2010 3:11
Sample : T005247-CAL1
Misc :
MS Integration Params: rteint.p

Vial: 7
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Nov 18 09:11:06 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

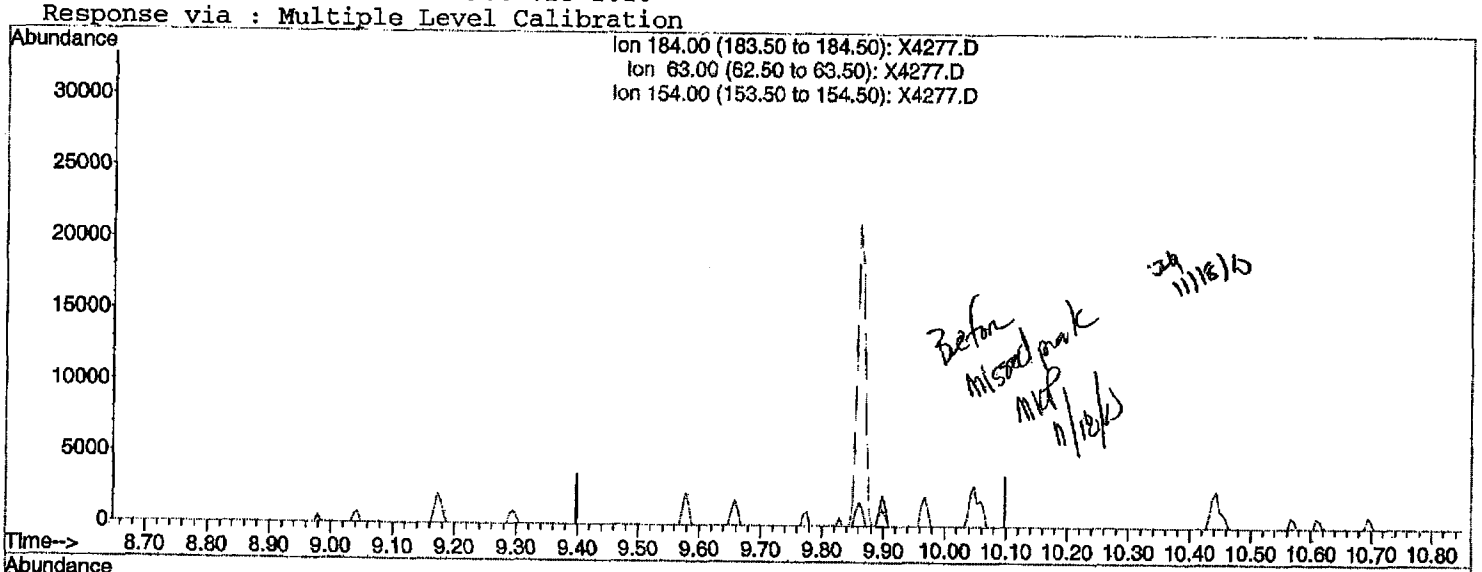


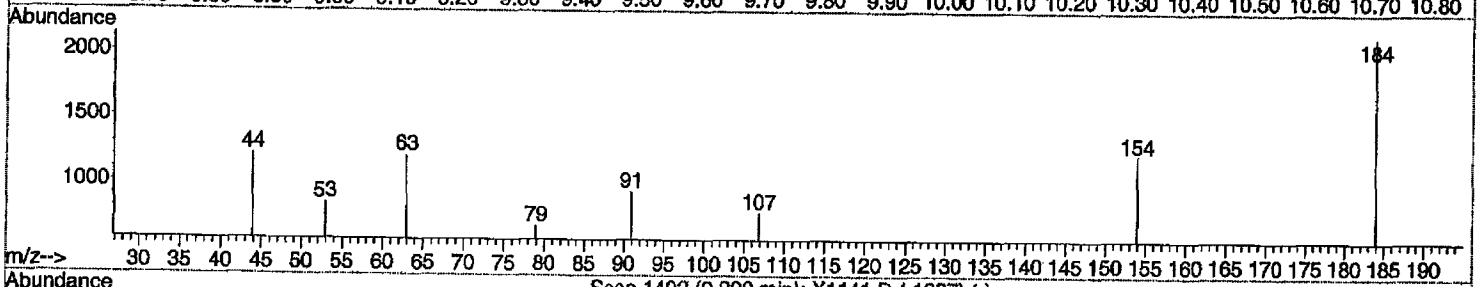
Quantitation Report (Qedit)

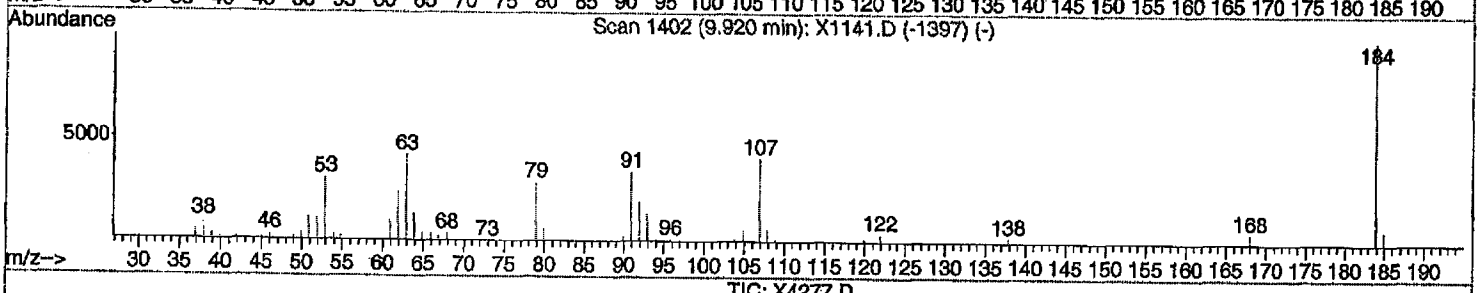
Data File : D:\DATA\111810\X4277.D
Acq On : 18 Nov 2010 3:11
Sample : T005247-CAL1
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:42 2010

Vial: 7
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration







TIC: X4277.D

(49) C555 2,4-Dinitrophenol (T)

9.90min (-9.898) 0.00ng

response 0

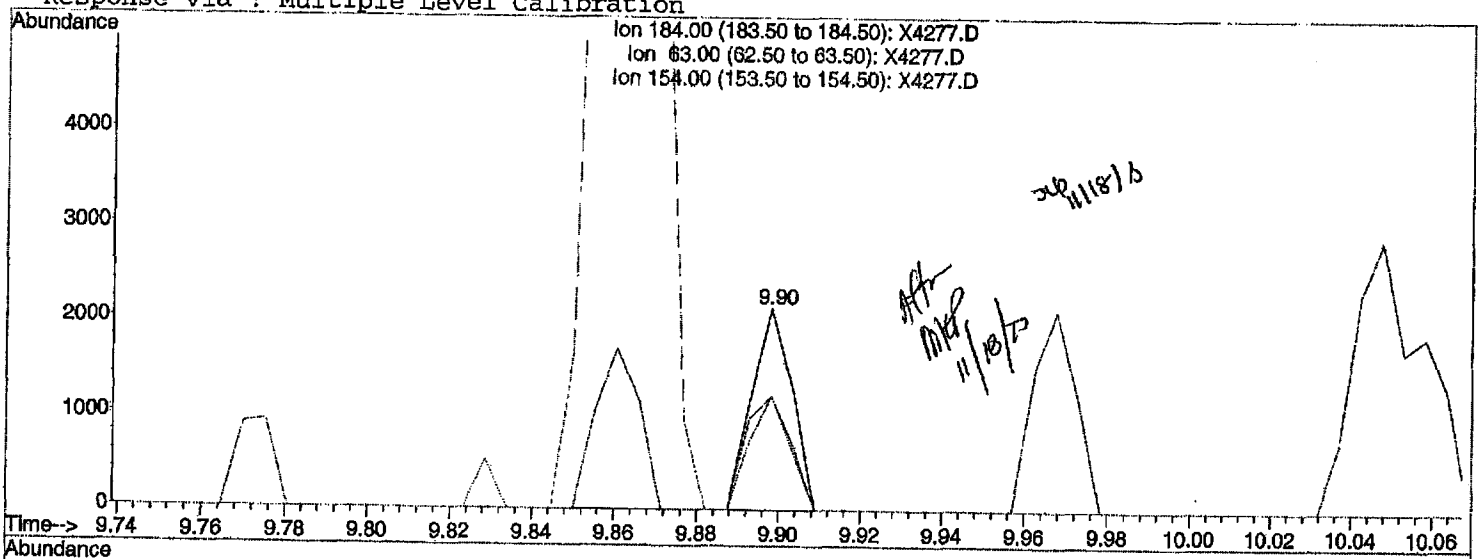
Ion	Exp%	Act%
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63.00	57.00	0.00#
154.00	42.00	0.00#
0.00	0.00	0.00

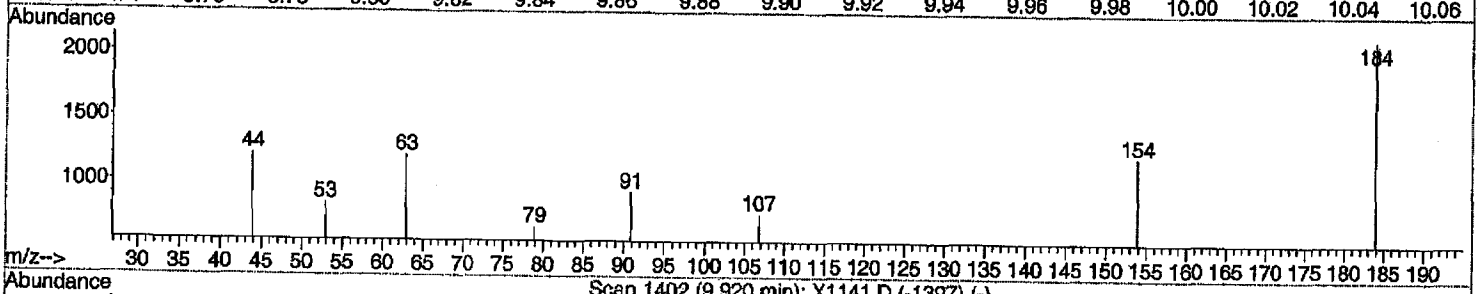
Quantitation Report (Qedit)

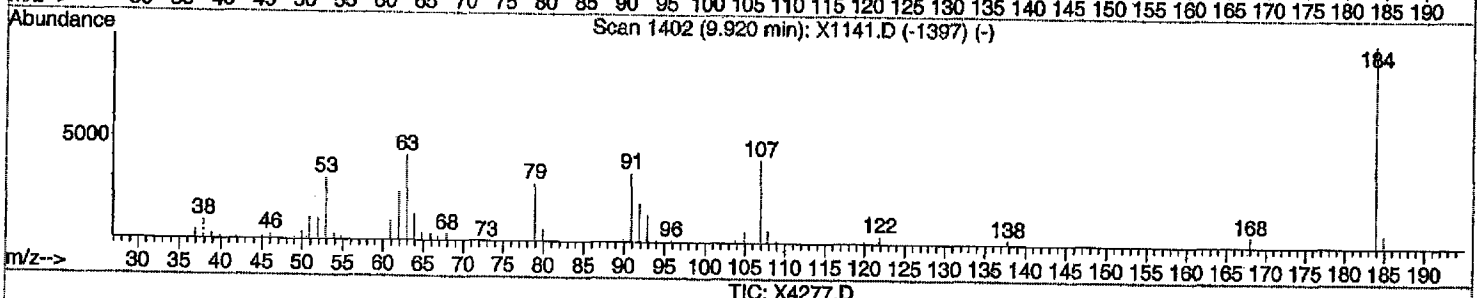
Data File : D:\DATA\111810\X4277.D
Acq On : 18 Nov 2010 3:11
Sample : T005247-CAL1
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:42 2010

Vial: 7
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration







TIC: X4277.D

(49) C555 2,4-Dinitrophenol (T)

9.90min (-0.000) 2.93ng m

response 1454

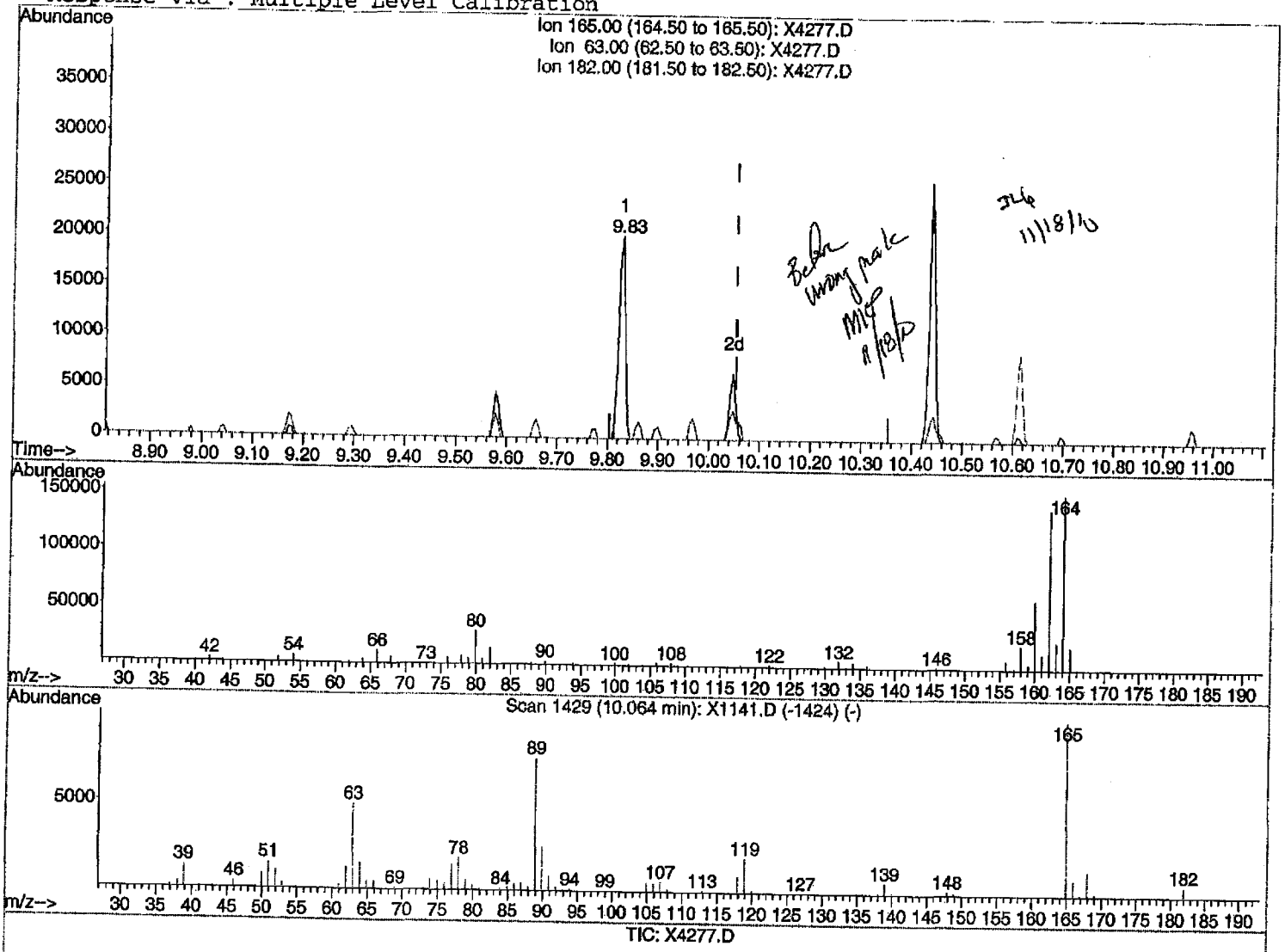
Ion	Exp%	Act%
184.00	100	100
63.00	57.00	56.46
154.00	42.00	56.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4277.D
Acq On : 18 Nov 2010 3:11
Sample : T005247-CAL1
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:42 2010

Vial: 7
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration



TIC: X4277.D

(51) C570 2,4-Dinitrotoluene (MC)

9.83min (-0.224) 13.62ng

response 17664

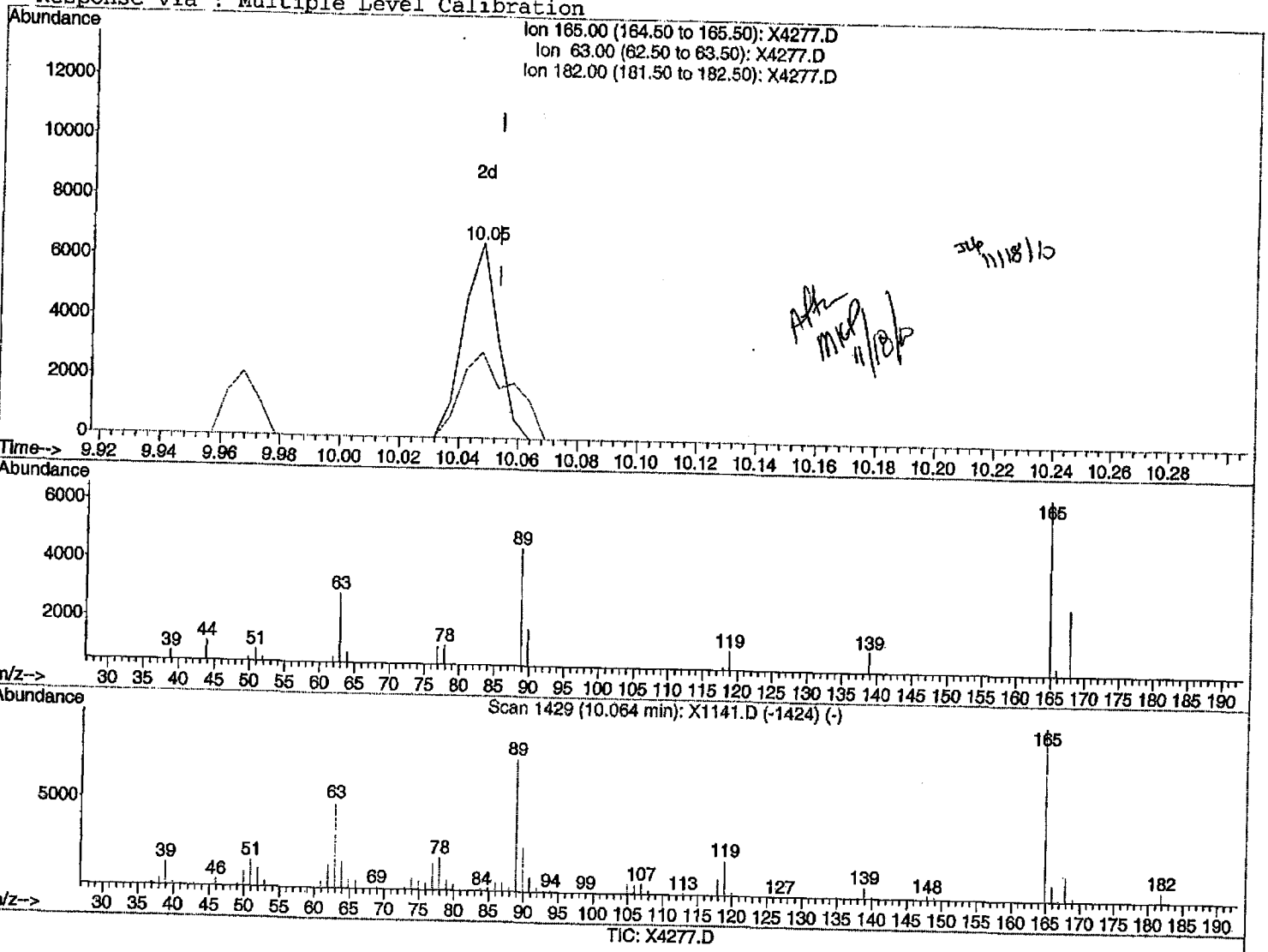
Ion	Exp%	Act%
165.00	100	100
63.00	34.40	0.00#
182.00	6.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4277.D
Acq On : 18 Nov 2010 3:11
Sample : T005247-CAL1
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:42 2010

Vial: 7
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration



TIC: X4277.D

(51) C570 2,4-Dinitrotoluene (MC)

10.05min (-0.005) 4.01ng m

response 5199

Ion	Exp%	Act%
165.00	100	100
63.00	34.40	44.14
182.00	6.10	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4276.D
Acq On : 18 Nov 2010 2:48
Sample : T005247-CAL2
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:07:54 2010

Vial: 6
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4275.D (18 Nov 2010 2:25)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.27	152	69365	40.00	ng	0.00
21) CI40 Naphthalene-d8	7.77	136	256075	40.00	ng	92.11% 0.00
37) CI50 Acenaphthene-d10	9.83	164	144413	40.00	ng	94.53% 0.00
58) CI60 Phenanthrene-d10	11.41	188	257935	40.00	ng	93.31% 0.00
70) CI70 Chrysene-d12	13.82	240	358912	40.00	ng	91.28% 0.00
80) CI75 Perylene-d12	15.10	264	414443	40.00	ng	98.62% 0.00
						92.74%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.71	112	55887	20.80	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 13.87%			
6) CS45 Phenol-d5	5.83	99	68727	21.22	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 14.15%			
7) CS70 2-chlorophenol-d4	6.00	132	51652	21.11	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 14.07%			
13) CS75 1,2-dichlorobenzene-d	6.46	152	34909	21.59	ng	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 21.59%			
22) CS20 Nitrobenzene-d5	6.92	82	52583	20.50	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 20.50%			
41) CS25 2-Fluorobiphenyl	9.04	172	100243	21.89	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 21.89%			
61) CS55 2,4,6-Tribromophenol	10.70	330	13911	20.46	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 13.64%			
73) CS30 Terphenyl-d14	12.89	244	137961	21.33	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 21.33%			

Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	3.02	74	44898	20.99	ng	78
3) E100 Pyridine	3.09	79	75539	21.14	ng #	71
5) C325 bis(2-Chloroethyl)eth	5.95	93	59394	21.39	ng #	64
8) C315 Phenol	5.84	94	75722m	21.09	ng	81
9) C330 2-Chlorophenol	6.02	128	53677	21.09	ng	91
10) C320 aniline	5.88	93	84840	21.40	ng	83
11) C335 1,3-Dichlorobenzene	6.21	146	60580	21.43	ng	100
12) C340 1,4-Dichlorobenzene	6.29	146	61518	21.44	ng	98
14) C350 1,2-Dichlorobenzene	6.47	146	57755	21.67	ng	96
15) C345 Benzyl alcohol	6.43	108	33840	20.36	ng #	81
16) C360 bis(2-chloroisopropyl	6.60	45	57527	21.34	ng	70
17) C355 2-Methylphenol	6.57	108	48420	21.11	ng	100
18) C375 Hexachloroethane	6.87	117	21065	21.12	ng	84
19) C370 N-Nitroso-di-n-propyl	6.75	70	38872	21.90	ng #	56
20) C365 4-Methylphenol	6.75	108	51182	22.01	ng	95
23) C410 Nitrobenzene	6.94	77	57352	21.20	ng	89
24) C415 Isophorone	7.23	82	101653	21.00	ng	92
25) C011 Tetraethyl Lead	7.45	237	20321	23.58	ng #	78
26) C430 benzoic acid	7.53	122	165374	114.55	ng #	66
27) C420 2-Nitrophenol	7.32	139	24842	20.01	ng	83
28) C425 2,4-Dimethylphenol	7.38	107	49907	20.64	ng	99
29) C435 bis(2-Chloroethoxy)me	7.49	93	62278	21.76	ng	96
30) C440 2,4-Dichlorophenol	7.61	162	41902	21.53	ng	94

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4276.D
Acq On : 18 Nov 2010 2:48
Sample : T005247-CAL2
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:07:54 2010

Vial: 6
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4275.D (18 Nov 2010 2:25)

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
31) C445 1,2,4-Trichlorobenzen	7.71	180	49366	21.82 ng		98
32) C450 Naphthalene	7.79	128	143325	22.04 ng		99
33) C455 4-Chloroaniline	7.86	127	57942	20.87 ng		99
34) C460 Hexachlorobutadiene	7.96	225	29398	21.88 ng		94
35) C465 4-Chloro-3-methylphen	8.43	107	41550	20.60 ng		99
36) C470 2-Methylnaphthalene	8.61	142	91362	21.92 ng		98
38) C510 Hexachlorocyclopentad	8.81	237	29659	20.24 ng		95
39) C515 2,4,6-Trichlorophenol	8.94	196	28655	20.95 ng		99
40) C520 2,4,5-Trichlorophenol	8.98	196	31220	20.70 ng		93
42) C525 2-Chloronaphthalene	9.18	162	88051	21.73 ng		96
43) C530 2-Nitroaniline	9.29	65	22812	19.88 ng	#	66
44) C540 Acenaphthylene	9.66	152	129174	21.79 ng		95
45) C535 Dimethylphthalate	9.52	163	100520	21.09 ng		99
46) C542 2,6-Dinitrotoluene	9.58	165	21100	20.14 ng		91
47) C550 Acenaphthene	9.87	153	82945	21.95 ng		99
48) C545 3-Nitroaniline	9.78	138	23004	20.20 ng		90
49) C555 2,4-Dinitrophenol	9.90	184	7231	13.71 ng		95
50) C565 Dibenzofuran	10.06	168	125676	22.40 ng		96
51) C570 2,4-Dinitrotoluene	10.05	165	28458	20.63 ng		93
52) C560 4-Nitrophenol	9.97	109	12050	18.76 ng	#	81
53) C590 Fluorene	10.44	166	96237	23.13 ng		95
54) C585 4-Chlorophenyl-phenyl	10.44	204	53035	23.15 ng		97
55) C580 Diethylphthalate	10.33	149	90904	21.42 ng		94
56) C620 1,2-diphenylhydrazine	10.61	77	100118	22.11 ng		78
57) C595 4-Nitroaniline	10.46	138	24441	20.63 ng		96
59) C610 4,6-Dinitro-2-methylp	10.50	198	14755	17.43 ng	#	57
60) C615 n-Nitrosodiphenylamin	10.57	169	67486	21.95 ng		96
62) C625 4-Bromophenyl-phenyle	10.96	248	31751	21.78 ng		95
63) C630 Hexachlorobenzene	11.04	284	33871	21.59 ng		93
64) C635 Pentachlorophenol	11.23	266	19368	19.23 ng		96
65) C640 Phenanthrene	11.43	178	150730	22.51 ng		99
66) C645 Anthracene	11.48	178	150768	22.78 ng		99
67) C647 carbazole	11.64	167	138123	22.60 ng		94
68) C650 Di-n-butylphthalate	11.98	149	150349	22.25 ng		99
69) C655 Fluoranthene	12.55	202	179173	22.99 ng		87
71) C715 Pyrene	12.76	202	188303	21.43 ng		85
72) C710 benzidine	12.67	184	65474	18.36 ng		100
74) C720 Butylbenzylphthalate	13.31	149	73211	20.83 ng		89
75) C725 3,3'-Dichlorobenzidin	13.78	252	72238	19.69 ng		95
76) C730 Benzo[a]anthracene	13.80	228	202662	22.93 ng		99
77) C735 Chrysene	13.84	228	195887	20.99 ng		99
78) C740 bis(2-Ethylhexyl)phth	13.81	149	100829	21.68 ng		96
79) C760 Di-n-octylphthalate	14.35	149	162351	18.55 ng		100
81) C765 Benzo[b]fluoranthene	14.74	252	222277	21.41 ng		97
82) C770 Benzo[k]fluoranthene	14.77	252	246416	23.60 ng		97
83) C775 Benzo[a]pyrene	15.04	252	188393	21.32 ng		98
84) C780 Indeno[1,2,3-cd]pyren	16.21	276	248027	21.28 ng		99
85) C785 Dibenz[a,h]anthracene	16.21	278	211474	21.77 ng		96
86) C790 Benzo[g,h,i]perylene	16.53	276	206313	20.67 ng		98

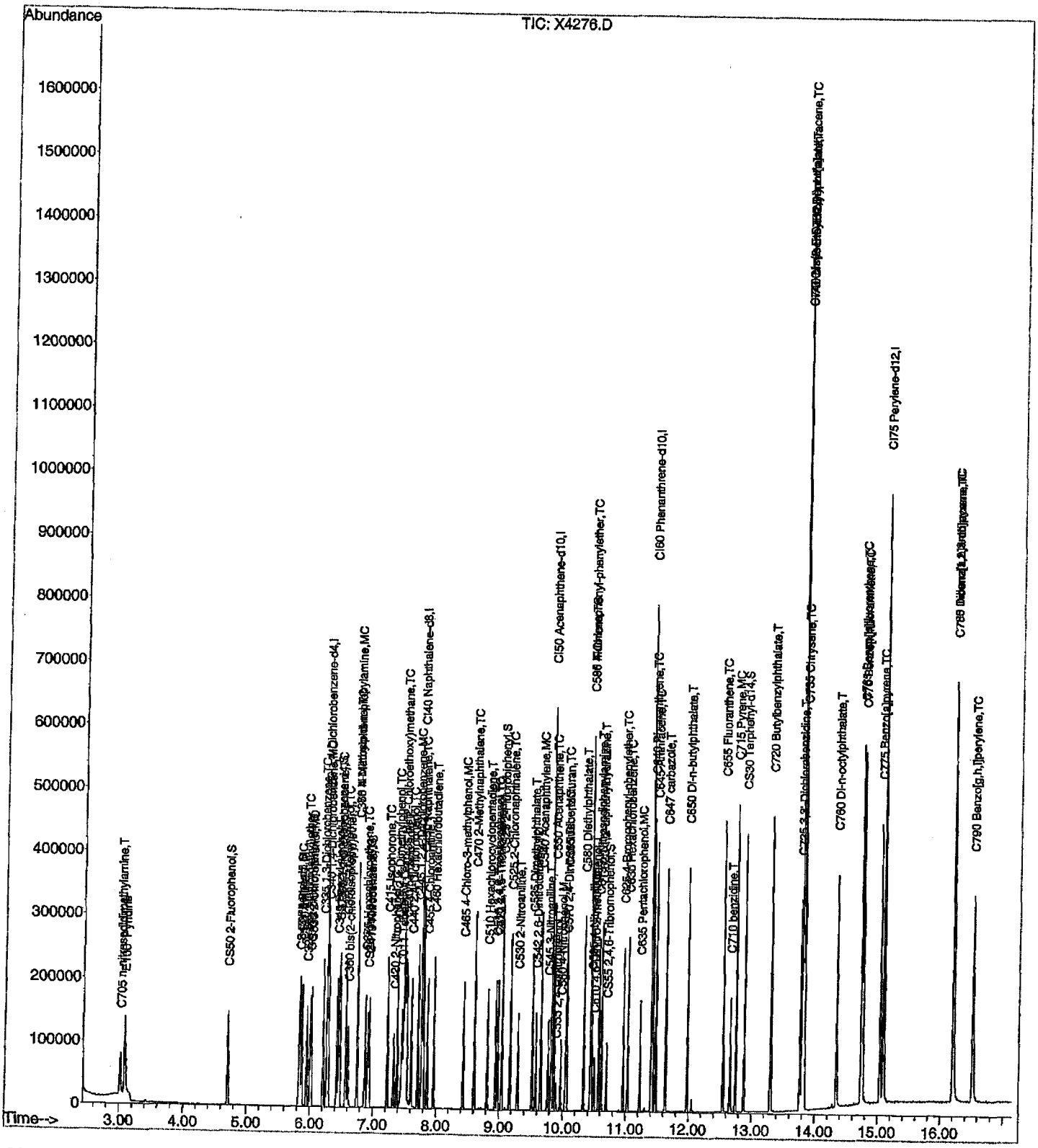
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4276.D
Acq On : 18 Nov 2010 2:48
Sample : T005247-CAL2
Misc :
MS Integration Params: rteint.p

Vial: 6
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Nov 18 09:07:54 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

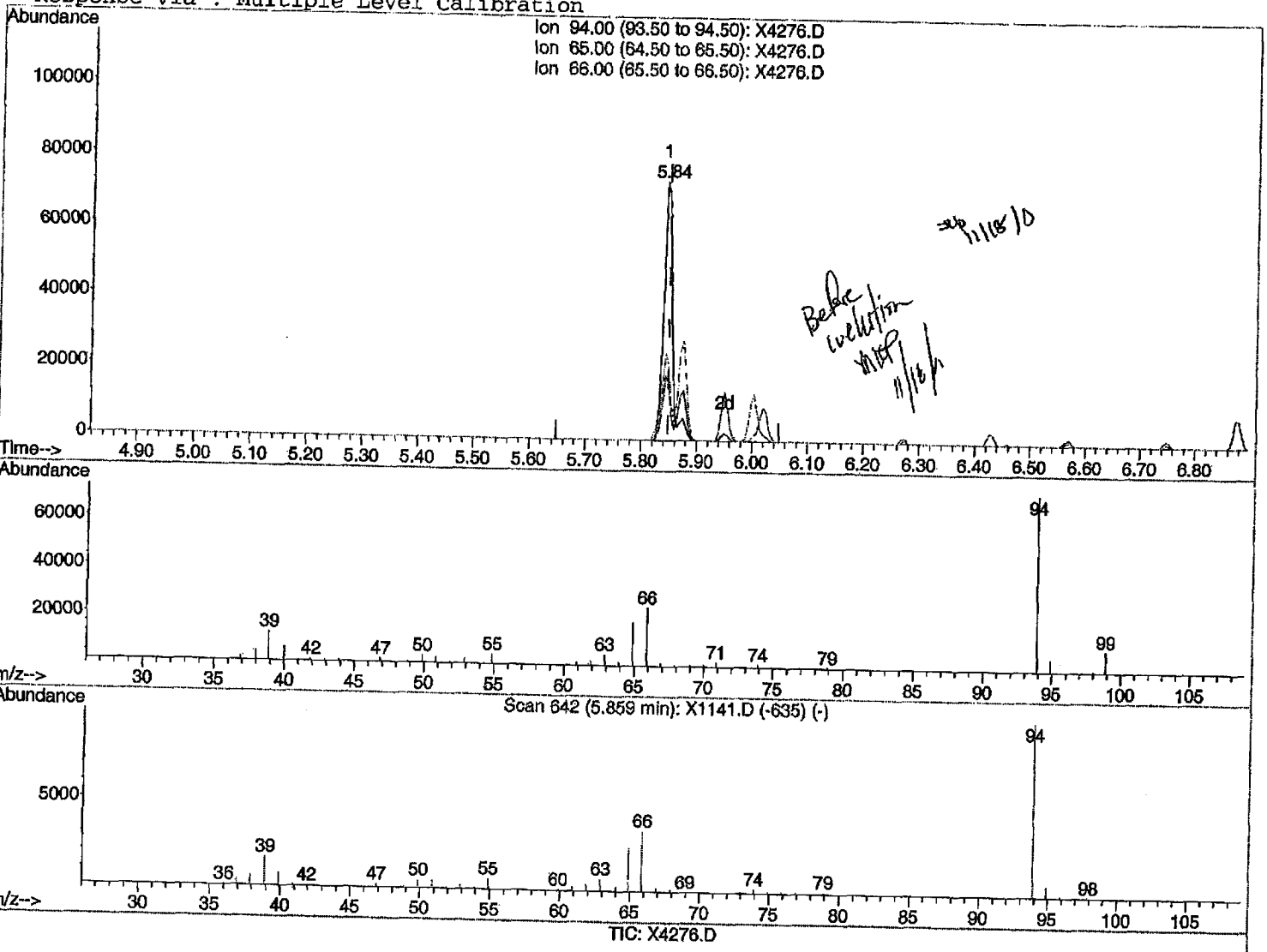


Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4276.D
Acq On : 18 Nov 2010 2:48
Sample : T005247-CAL2
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:44 2010

Vial: 6
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration



TIC: X4276.D

(8) C315 Phenol (MC)

5.84min (-0.005) 22.57ng

response 81017

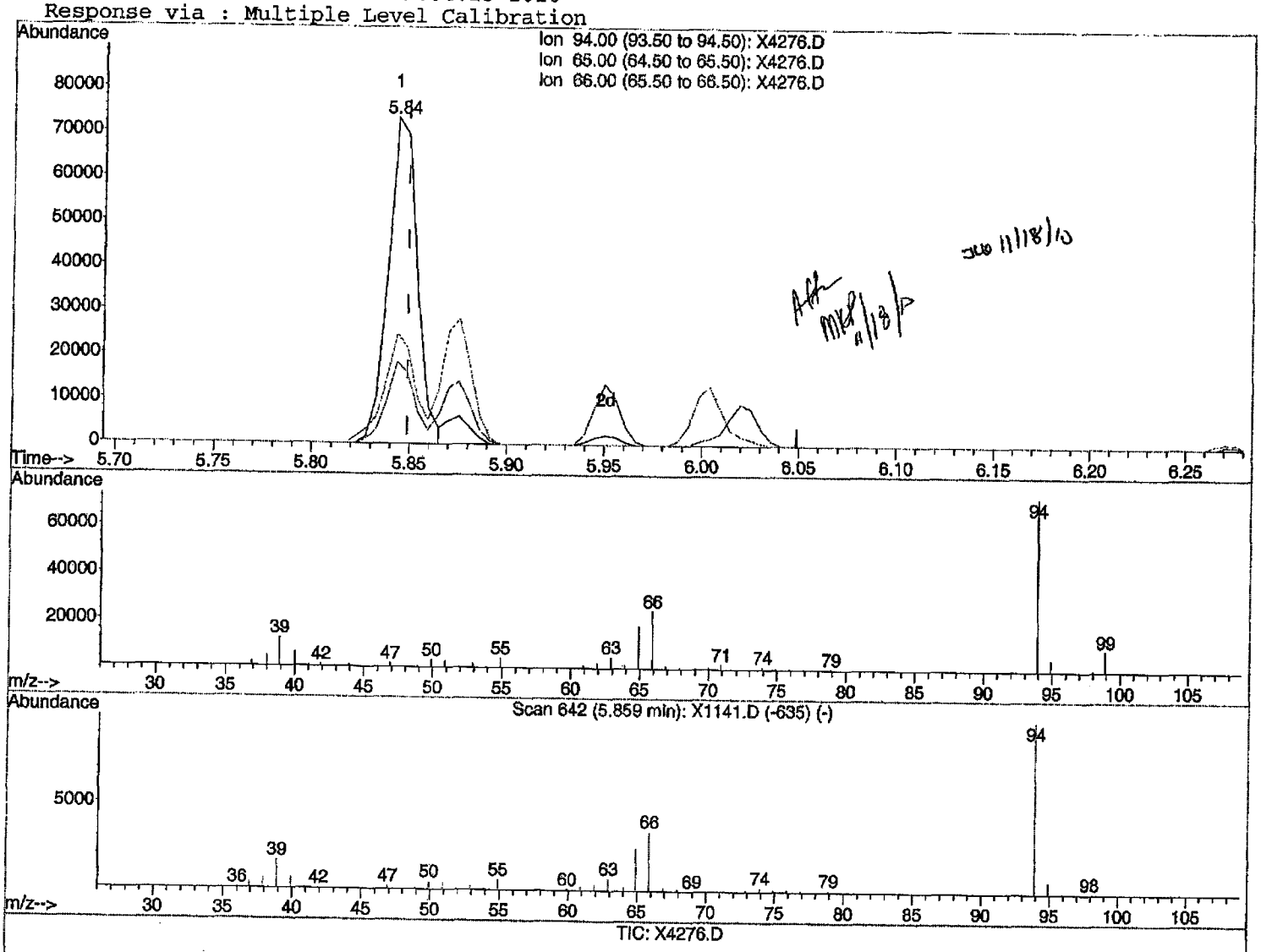
Ion	Exp%	Act%
94.00	100	100
65.00	32.70	24.98
66.00	49.10	33.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4276.D
Acq On : 18 Nov 2010 2:48
Sample : T005247-CAL2
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:44 2010

Vial: 6
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration



TIC: X4276.D

(8) C315 Phenol (MC)

5.84min (-0.005) 21.09ng m

response 75722

Ion	Exp%	Act%
94.00	100	100
65.00	32.70	24.98
66.00	49.10	33.57
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4275.D
Acq On : 18 Nov 2010 2:25
Sample : T005247-CAL3
Misc : T005253-CCV1
MS Integration Params: rteint.p
Quant Time: Nov 18 09:03:49 2010

Vial: 5
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:03:30 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4275.D (18 Nov 2010 2:25)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.27	152	75308	40.00	ng	0.00
21) CI40 Naphthalene-d8	7.77	136	270890	40.00	ng	100.00% 0.00
37) CI50 Acenaphthene-d10	9.83	164	154760	40.00	ng	100.00% 0.00
58) CI60 Phenanthrene-d10	11.41	188	282572	40.00	ng	100.00% 0.00
70) CI70 Chrysene-d12	13.82	240	363929	40.00	ng	100.00% 0.00
80) CI75 Perylene-d12	15.10	264	446908	40.00	ng	100.00% 0.00 100.00%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.70	112	147275	50.49	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 33.66%			
6) CS45 Phenol-d5	5.83	99	176049	50.06	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 33.37%			
7) CS70 2-chlorophenol-d4	6.00	132	133929	50.41	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 33.61%			
13) CS75 1,2-dichlorobenzene-d	6.46	152	88718	50.54	ng	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 50.54%			
22) CS20 Nitrobenzene-d5	6.92	82	139506	51.41	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 51.41%			
41) CS25 2-Fluorobiphenyl	9.04	172	251809	51.31	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 51.31%			
61) CS55 2,4,6-Tribromophenol	10.70	330	39394	52.89	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 35.26%			
73) CS30 Terphenyl-d14	12.89	244	339603	51.77	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 51.77%			

Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	3.00	74	116944	50.37	ng	79
3) E100 Pyridine	3.07	79	195290	50.33	ng #	71
5) C325 bis(2-Chloroethyl)eth	5.95	93	149281	49.53	ng #	65
8) C315 Phenol	5.85	94	193392m	49.62	ng	80
9) C330 2-Chlorophenol	6.02	128	137926	49.92	ng	92
10) C320 aniline	5.88	93	205332	47.72	ng	83
11) C335 1,3-Dichlorobenzene	6.21	146	155314	50.60	ng	98
12) C340 1,4-Dichlorobenzene	6.29	146	157471	50.56	ng	98
14) C350 1,2-Dichlorobenzene	6.47	146	146979	50.79	ng	98
15) C345 Benzyl alcohol	6.43	108	92572	51.31	ng #	81
16) C360 bis(2-chloroisopropyl	6.60	45	145338	49.66	ng	71
17) C355 2-Methylphenol	6.57	108	124769	50.11	ng	99
18) C375 Hexachloroethane	6.87	117	54841	50.63	ng #	77
19) C370 N-Nitroso-di-n-propyl	6.75	70	99391	51.58	ng #	59
20) C365 4-Methylphenol	6.75	108	130558	51.71	ng	96
23) C410 Nitrobenzene	6.94	77	147017	51.38	ng	85
24) C415 Isophorone	7.23	82	266456	52.04	ng	91
25) C011 Tetraethyl Lead	7.45	237	40740	44.68	ng #	78
26) C430 benzoic acid	7.55	122	230442	150.89	ng #	69
27) C420 2-Nitrophenol	7.32	139	69036	52.56	ng	82
28) C425 2,4-Dimethylphenol	7.38	107	131805	51.53	ng	99
29) C435 bis(2-Chloroethoxy)me	7.49	93	154764	51.11	ng	96
30) C440 2,4-Dichlorophenol	7.61	162	109366	53.13	ng	95

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4275.D
Acq On : 18 Nov 2010 2:25
Sample : T005247-CAL3
Misc : T005253-CCV1
MS Integration Params: rteint.p
Quant Time: Nov 18 09:03:49 2010

Vial: 5
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:03:30 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4275.D (18 Nov 2010 2:25)

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
31) C445 1,2,4-Trichlorobenzen	7.71	180	122260	51.09 ng		95
32) C450 Naphthalene	7.79	128	353630	51.42 ng		99
33) C455 4-Chloroaniline	7.86	127	149801	51.01 ng		100
34) C460 Hexachlorobutadiene	7.96	225	72207	50.80 ng		96
35) C465 4-Chloro-3-methylphen	8.43	107	113182	53.05 ng		95
36) C470 2-Methylnaphthalene	8.61	142	229322	52.00 ng		98
38) C510 Hexachlorocyclopentad	8.81	237	81572	51.93 ng		95
39) C515 2,4,6-Trichlorophenol	8.95	196	76286	52.05 ng		96
40) C520 2,4,5-Trichlorophenol	8.98	196	84731	52.43 ng		95
42) C525 2-Chloronaphthalene	9.18	162	223298	51.41 ng		98
43) C530 2-Nitroaniline	9.29	65	65282	53.09 ng	#	74
44) C540 Acenaphthylene	9.66	152	335609	52.82 ng		95
45) C535 Dimethylphthalate	9.52	163	261339	51.16 ng		99
46) C542 2,6-Dinitrotoluene	9.58	165	60667	54.05 ng		90
47) C550 Acenaphthene	9.87	153	207764	51.31 ng		96
48) C545 3-Nitroaniline	9.78	138	65093	53.35 ng		95
49) C555 2,4-Dinitrophenol	9.90	184	30242	53.52 ng		92
50) C565 Dibenzofuran	10.06	168	312813	52.02 ng		98
51) C570 2,4-Dinitrotoluene	10.05	165	81287	54.98 ng		91
52) C560 4-Nitrophenol	9.97	109	36261	52.68 ng	#	82
53) C590 Fluorene	10.44	166	233024	52.26 ng		95
54) C585 4-Chlorophenyl-phenyl	10.45	204	126708	51.60 ng		96
55) C580 Diethylphthalate	10.34	149	237615	52.25 ng		93
56) C620 1,2-diphenylhydrazine	10.61	77	253423	52.22 ng		77
57) C595 4-Nitroaniline	10.46	138	67021	52.79 ng		98
59) C610 4,6-Dinitro-2-methylp	10.50	198	50283	54.22 ng	#	65
60) C615 n-Nitrosodiphenylamin	10.57	169	175300	52.04 ng		95
62) C625 4-Bromophenyl-phenyle	10.96	248	83140	52.06 ng		94
63) C630 Hexachlorobenzene	11.04	284	88426	51.45 ng		90
64) C635 Pentachlorophenol	11.23	266	60351	54.70 ng		97
65) C640 Phenanthrene	11.44	178	381286	51.98 ng		99
66) C645 Anthracene	11.48	178	382220	52.70 ng		99
67) C647 carbazole	11.64	167	351419	52.50 ng		94
68) C650 Di-n-butylphthalate	11.98	149	405966	54.85 ng		99
69) C655 Fluoranthene	12.55	202	457645	53.59 ng		90
71) C715 Pyrene	12.76	202	464450	52.13 ng		88
72) C710 benzidine	12.67	184	161601	44.69 ng		100
74) C720 Butylbenzylphthalate	13.31	149	198110	55.60 ng		94
75) C725 3,3'-Dichlorobenzidin	13.78	252	203296	54.66 ng		99
76) C730 Benzo[a]anthracene	13.81	228	472042	52.67 ng		98
77) C735 Chrysene	13.84	228	487470	51.50 ng		99
78) C740 bis(2-Ethylhexyl)phth	13.81	149	264520	56.10 ng		96
79) C760 Di-n-octylphthalate	14.35	149	500405	56.38 ng		100
81) C765 Benzo[b]fluoranthene	14.74	252	603955	53.94 ng		97
82) C770 Benzo[k]fluoranthene	14.77	252	588972	52.31 ng		97
83) C775 Benzo[a]pyrene	15.05	252	511234	53.65 ng		99
84) C780 Indeno[1,2,3-cd]pyren	16.21	276	649120	51.66 ng		99
85) C785 Dibenz[a,h]anthracene	16.22	278	555411	53.02 ng		96
86) C790 Benzo[g,h,i]perylene	16.53	276	551076	51.21 ng		98

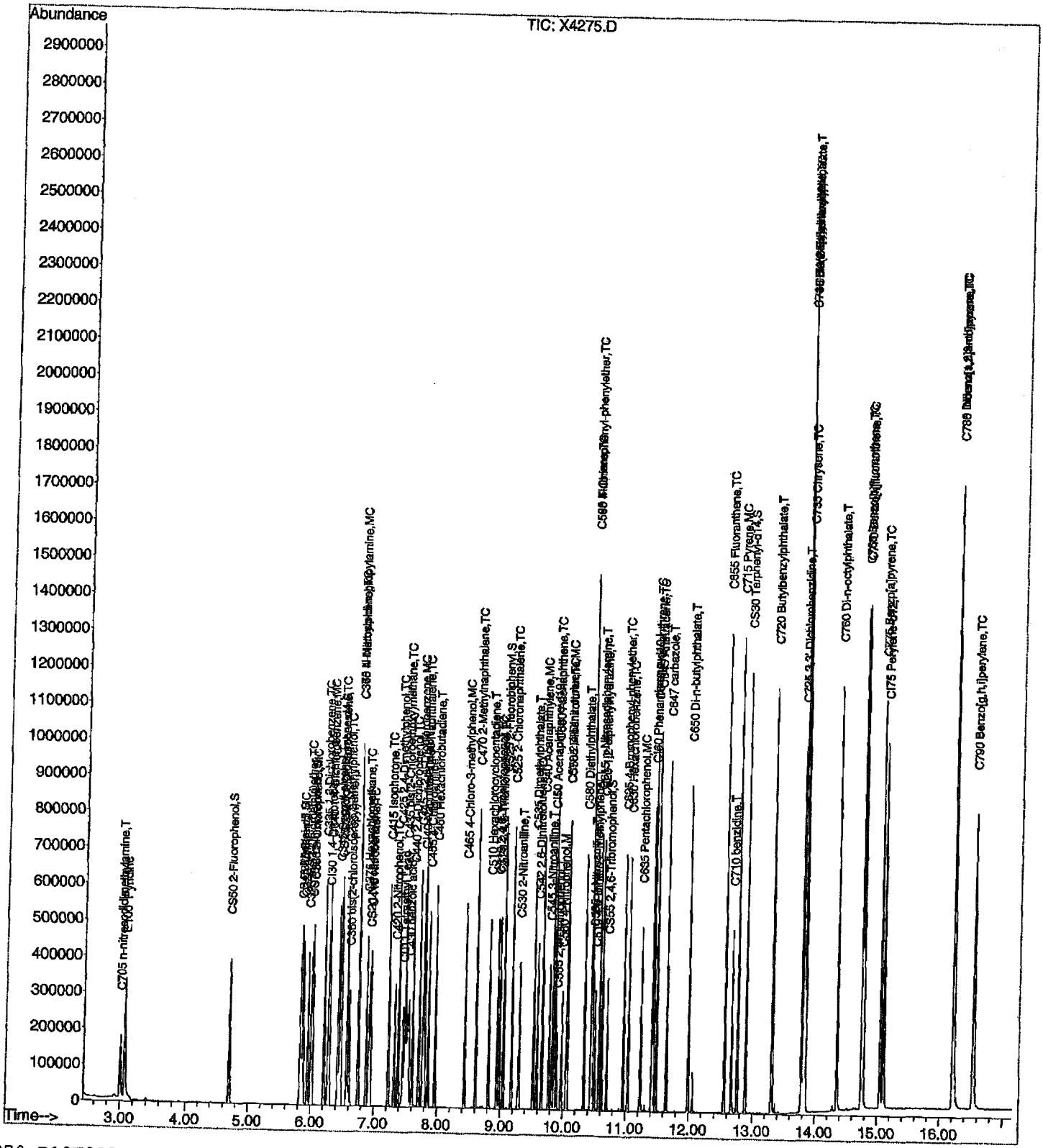
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4275.D
Acq On : 18 Nov 2010 2:25
Sample : T005247-CAL3
Misc : T005253-CCV1
MS Integration Params: rteint.p

Vial: 5
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Nov 18 09:03:49 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:03:30 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

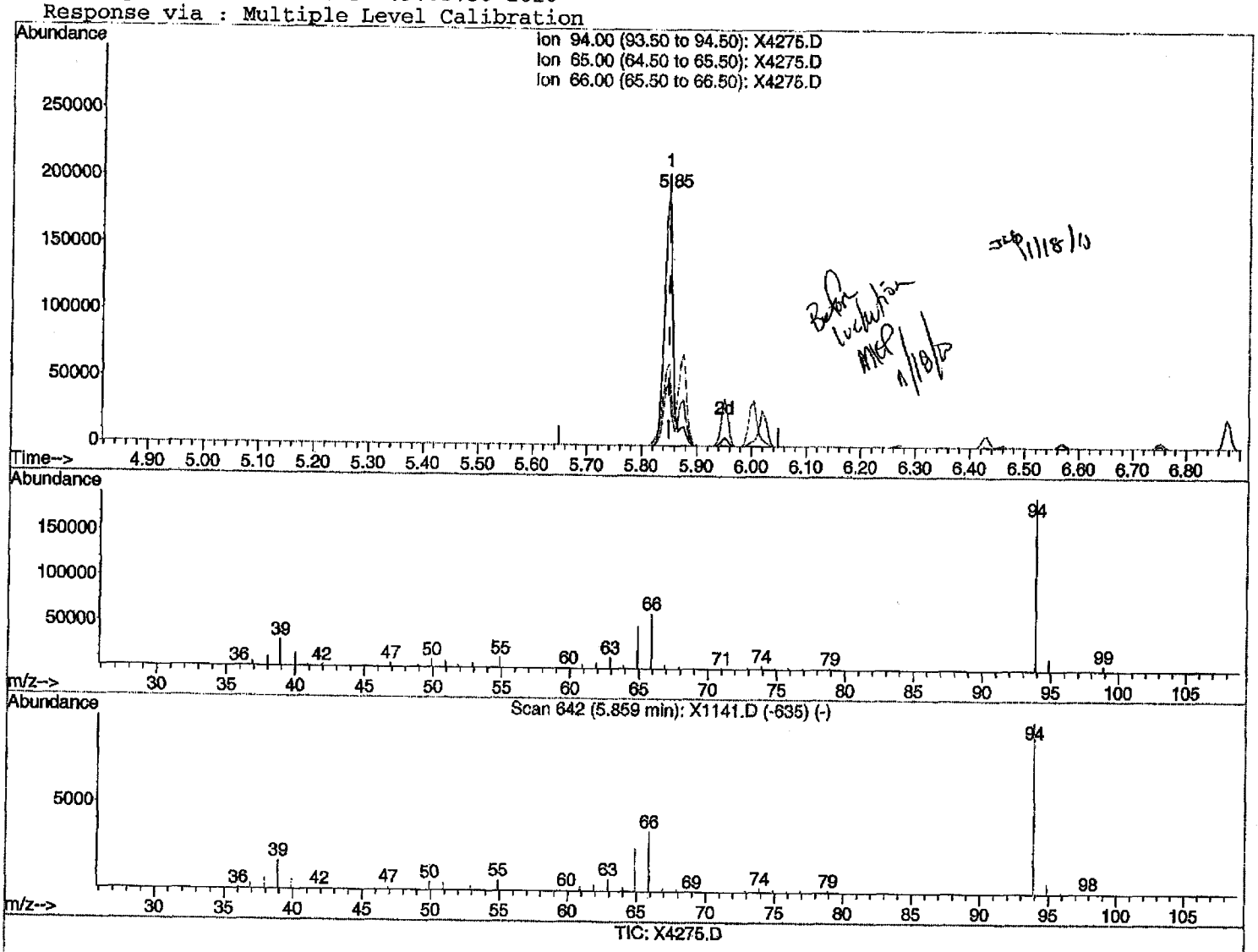


Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4275.D
Acq On : 18 Nov 2010 2:25
Sample : T005247-CAL3
Misc : T005253-CCV1
MS Integration Params: rteint.p
Quant Time: Nov 18 09:03:40 2010

Vial: 5
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:03:30 2010
Response via : Multiple Level Calibration



TIC: X4275.D

(8) C315 Phenol (MC)

5.85min (0.000) 52.79ng

response 205750

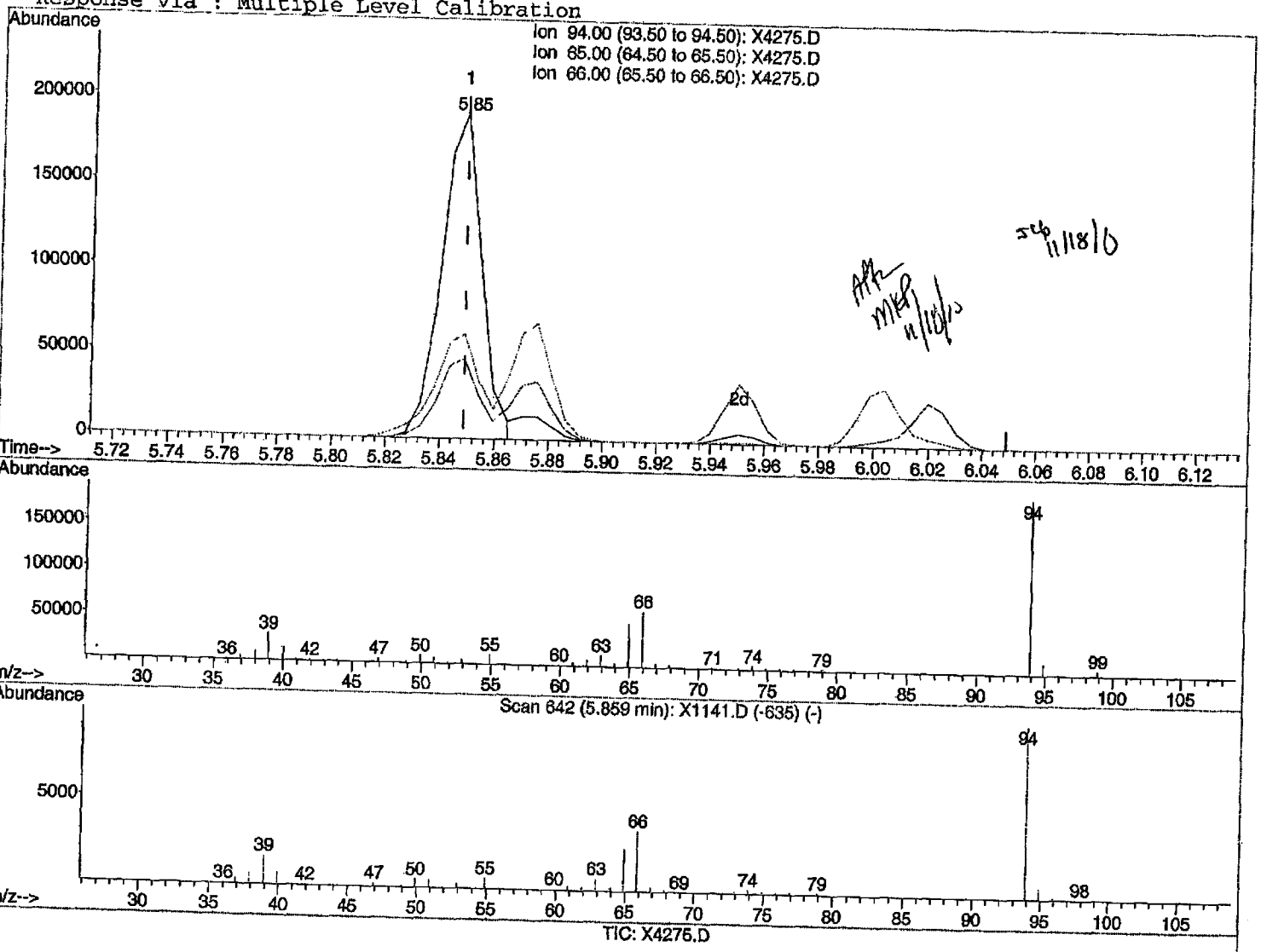
Ion	Exp%	Act%
94.00	100	100
65.00	32.70	24.79
66.00	49.10	32.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4275.D
Acq On : 18 Nov 2010 2:25
Sample : T005247-CAL3
Misc : T005253-CCV1
MS Integration Params: rteint.p
Quant Time: Nov 18 09:03:40 2010

Vial: 5
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:03:30 2010
Response via : Multiple Level Calibration



TIC: X4275.D

(8) C315 Phenol (MC)

5.85min (0.000) 49.62ng m

response 193392

Ion	Exp%	Act%
94.00	100	100
65.00	32.70	24.79
66.00	49.10	32.23
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4274.D
Acq On : 18 Nov 2010 2:02
Sample : T005247-CAL4
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:07:03 2010

Vial: 4
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4275.D (18 Nov 2010 2:25)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.27	152	89054	40.00	ng	0.00
21) CI40 Naphthalene-d8	7.77	136	323542	40.00	ng	118.25% 0.00
37) CI50 Acenaphthene-d10	9.83	164	181502	40.00	ng	119.44% 0.00
58) CI60 Phenanthrene-d10	11.41	188	335299	40.00	ng	117.28% 0.00
70) CI70 Chrysene-d12	13.82	240	407723	40.00	ng	118.66% 0.00
80) CI75 Perylene-d12	15.10	264	543877	40.00	ng	112.03% 0.00
						121.70%
System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.70	112	277907	80.57	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 53.71%			
6) CS45 Phenol-d5	5.84	99	332130	79.87	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 53.25%			
7) CS70 2-chlorophenol-d4	6.00	132	252776	80.45	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 53.63%			
13) CS75 1,2-dichlorobenzene-d	6.46	152	162009	78.05	ng	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 78.05%			
22) CS20 Nitrobenzene-d5	6.92	82	267495	82.54	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 82.54%			
41) CS25 2-Fluorobiphenyl	9.05	172	454486	78.96	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 78.96%			
61) CS55 2,4,6-Tribromophenol	10.70	330	76703	86.79	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 57.86%			
73) CS30 Terphenyl-d14	12.89	244	590546	80.35	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 80.35%			
Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	3.01	74	214181	78.01	ng	78
3) E100 Pyridine	3.07	79	354876	77.34	ng #	72
5) C325 bis(2-Chloroethyl)eth	5.96	93	279277	78.35	ng #	64
8) C315 Phenol	5.85	94	361575m	78.45	ng	80
9) C330 2-Chlorophenol	6.02	128	260307	79.68	ng	95
10) C320 aniline	5.88	93	402010	79.00	ng	78
11) C335 1,3-Dichlorobenzene	6.21	146	284269	78.31	ng	100
12) C340 1,4-Dichlorobenzene	6.29	146	285634	77.55	ng	97
14) C350 1,2-Dichlorobenzene	6.47	146	264024	77.15	ng	98
15) C345 Benzyl alcohol	6.43	108	174910	81.98	ng #	84
16) C360 bis(2-chloroisopropyl	6.60	45	271694	78.51	ng	72
17) C355 2-Methylphenol	6.57	108	236273	80.25	ng	97
18) C375 Hexachloroethane	6.88	117	102292	79.87	ng #	68
19) C370 N-Nitroso-di-n-propyl	6.76	70	181694	79.74	ng #	58
20) C365 4-Methylphenol	6.76	108	236721	79.28	ng	93
23) C410 Nitrobenzene	6.94	77	274682	80.38	ng	87
24) C415 Isophorone	7.23	82	497111	81.30	ng	90
25) C011 Tetraethyl Lead	7.45	237	82220	75.50	ng #	78
26) C430 benzoic acid	7.59	122	459922	252.14	ng #	67
27) C420 2-Nitrophenol	7.32	139	136133	86.77	ng	83
28) C425 2,4-Dimethylphenol	7.38	107	249809	81.78	ng	99
29) C435 bis(2-Chloroethoxy)me	7.49	93	282120	78.01	ng	96
30) C440 2,4-Dichlorophenol	7.61	162	201155	81.82	ng	97

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4274.D
Acq On : 18 Nov 2010 2:02
Sample : T005247-CAL4
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:07:03 2010

Vial: 4
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4275.D (18 Nov 2010 2:25)

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
31) C445 1,2,4-Trichlorobenzen	7.71	180	224945	78.70 ng		94
32) C450 Naphthalene	7.80	128	632710	77.02 ng		98
33) C455 4-Chloroaniline	7.86	127	281685	80.31 ng		100
34) C460 Hexachlorobutadiene	7.96	225	133911	78.88 ng		97
35) C465 4-Chloro-3-methylphen	8.43	107	209428	82.18 ng		100
36) C470 2-Methylnaphthalene	8.61	142	412865	78.38 ng		100
38) C510 Hexachlorocyclopentad	8.81	237	156145	84.77 ng		94
39) C515 2,4,6-Trichlorophenol	8.95	196	145556	84.68 ng		99
40) C520 2,4,5-Trichlorophenol	8.98	196	158990	83.89 ng		93
42) C525 2-Chloronaphthalene	9.18	162	402500	79.02 ng		97
43) C530 2-Nitroaniline	9.30	65	124149	86.08 ng	#	67
44) C540 Acenaphthylene	9.66	152	599215	80.41 ng		94
45) C535 Dimethylphthalate	9.53	163	477957	79.77 ng		99
46) C542 2,6-Dinitrotoluene	9.59	165	114962	87.33 ng		88
47) C550 Acenaphthene	9.87	153	368356	77.56 ng		97
48) C545 3-Nitroaniline	9.78	138	124200	86.80 ng		92
49) C555 2,4-Dinitrophenol	9.90	184	67730	102.20 ng		89
50) C565 Dibenzofuran	10.06	168	541915	76.84 ng		93
51) C570 2,4-Dinitrotoluene	10.05	165	148050	85.38 ng		87
52) C560 4-Nitrophenol	9.98	109	70732	87.62 ng	#	76
53) C590 Fluorene	10.44	166	396452	75.82 ng		97
54) C585 4-Chlorophenyl-phenyl	10.45	204	216012	75.01 ng		99
55) C580 Diethylphthalate	10.34	149	429778	80.58 ng		95
56) C620 1,2-diphenylhydrazine	10.62	77	453061	79.59 ng		77
57) C595 4-Nitroaniline	10.48	138	127397	85.56 ng		94
59) C610 4,6-Dinitro-2-methylp	10.51	198	102066	92.75 ng	#	67
60) C615 n-Nitrosodiphenylamin	10.58	169	314809	78.75 ng		94
62) C625 4-Bromophenyl-phenyle	10.97	248	150317	79.32 ng		96
63) C630 Hexachlorobenzene	11.04	284	159450	78.18 ng		92
64) C635 Pentachlorophenol	11.23	266	116619	89.07 ng		97
65) C640 Phenanthrene	11.44	178	657422	75.54 ng		98
66) C645 Anthracene	11.48	178	671847	78.07 ng		98
67) C647 carbazole	11.64	167	614848	77.41 ng		93
68) C650 Di-n-butylphthalate	11.99	149	724353	82.48 ng		99
69) C655 Fluoranthene	12.56	202	783137	77.29 ng		87
71) C715 Pyrene	12.76	202	798662	80.02 ng		90
72) C710 benzidine	12.67	184	378847	93.51 ng		100
74) C720 Butylbenzylphthalate	13.31	149	348652	87.33 ng		96
75) C725 3,3'-Dichlorobenzidin	13.78	252	376148	90.27 ng		98
76) C730 Benzo[a]anthracene	13.81	228	781214	77.80 ng		98
77) C735 Chrysene	13.85	228	854928	80.63 ng		99
78) C740 bis(2-Ethylhexyl)phth	13.81	149	450079	85.21 ng		99
79) C760 Di-n-octylphthalate	14.35	149	951159	95.65 ng		99
81) C765 Benzo[b]fluoranthene	14.75	252	1107122	81.25 ng		96
82) C770 Benzo[k]fluoranthene	14.78	252	1034443	75.49 ng		96
83) C775 Benzo[a]pyrene	15.05	252	958755	82.67 ng		98
84) C780 Indeno[1,2,3-cd]pyren	16.22	276	1196186	78.22 ng		98
85) C785 Dibenz[a,h]anthracene	16.23	278	999302	78.39 ng		97
86) C790 Benzo[g,h,i]perylene	16.55	276	1048909	80.09 ng		98

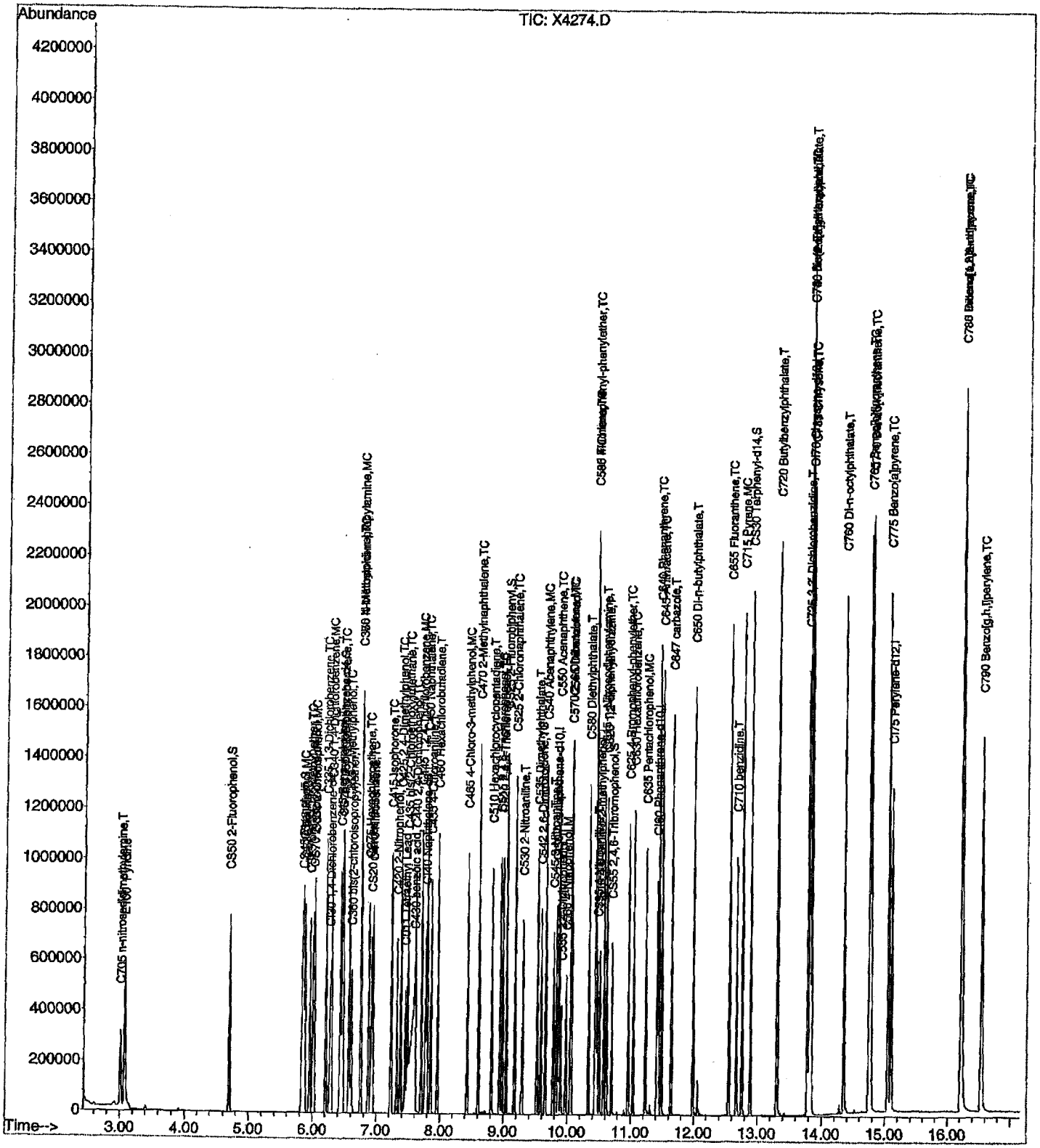
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4274.D
Acq On : 18 Nov 2010 2:02
Sample : T005247-CAL4
Misc :
MS Integration Params: rteint.p

Vial: 4
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Nov 18 09:07:03 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

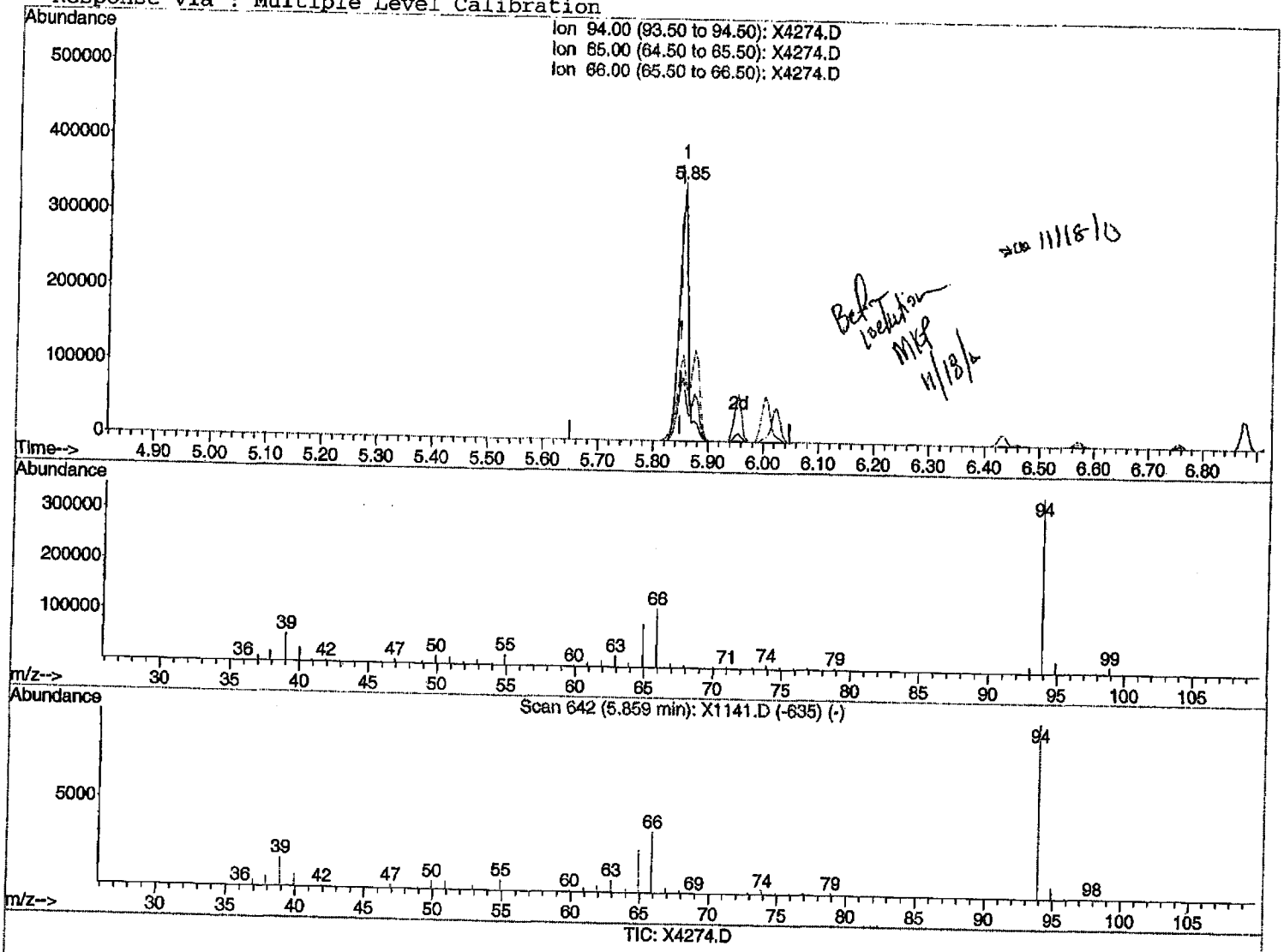


Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4274.D
Acq On : 18 Nov 2010 2:02
Sample : T005247-CAL4
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:47 2010

Vial: 4
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration



TIC: X4274.D

(8) C315 Phenol (MC)

5.85min (+0.005) 82.91ng

response 382136

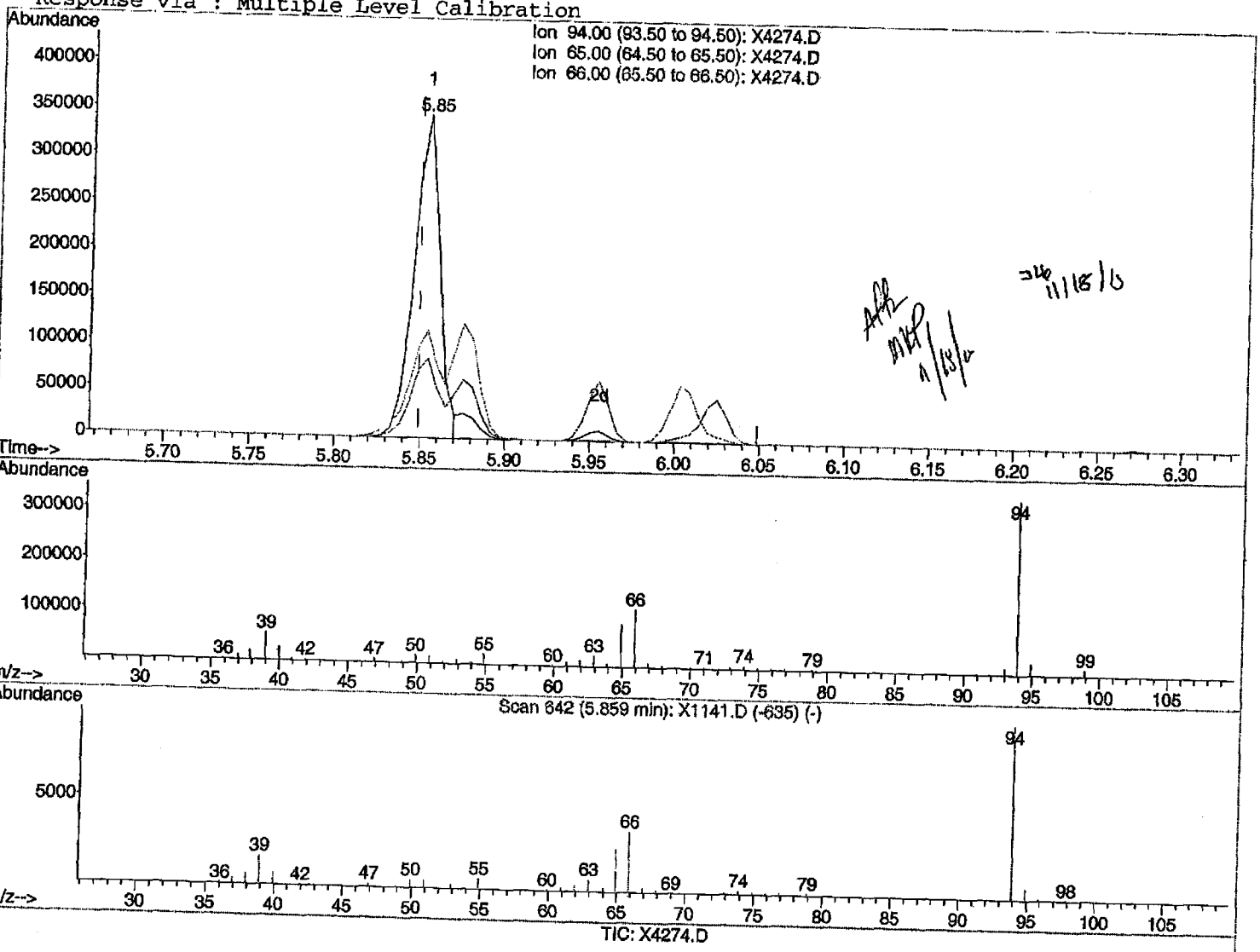
Ion	Exp%	Act%
94.00	100	100
65.00	32.70	24.59
66.00	49.10	33.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4274.D
Acq On : 18 Nov 2010 2:02
Sample : T005247-CAL4
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:47 2010

Vial: 4
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration



TIC: X4274.D

(8) C315 Phenol (MC)

5.85min (+0.005) 78.45ng m

response 361575

Ion	Exp%	Act%
94.00	100	100
65.00	32.70	24.59
66.00	49.10	33.40
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4273.D
Acq On : 18 Nov 2010 1:40
Sample : T005247-CAL5
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:06:08 2010

Vial: 3
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4275.D (18 Nov 2010 2:25)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.28	152	74336	40.00	ng	0.00
21) CI40 Naphthalene-d8	7.77	136	272328	40.00	ng	98.71% 0.00
37) CI50 Acenaphthene-d10	9.83	164	152944	40.00	ng	100.53% 0.00
58) CI60 Phenanthrene-d10	11.42	188	288728	40.00	ng	98.83% 0.00
70) CI70 Chrysene-d12	13.82	240	343650	40.00	ng	102.18% 0.00
80) CI75 Perylene-d12	15.10	264	464875	40.00	ng	94.43% 0.00 104.02%

System Monitoring Compounds

4) CS50 2-Fluorophenol	4.71	112	340005	118.09	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 78.73%			
6) CS45 Phenol-d5	5.84	99	404110	116.42	ng	0.01
Spiked Amount 150.000	Range 0 - 110		Recovery = 77.61%			
7) CS70 2-chlorophenol-d4	6.01	132	307135	117.11	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 78.07%			
13) CS75 1,2-dichlorobenzene-d	6.46	152	195338	112.74	ng	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 112.74%#			
22) CS20 Nitrobenzene-d5	6.92	82	324303	118.89	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 118.89%#			
41) CS25 2-Fluorobiphenyl	9.05	172	536790	110.68	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 110.68%			
61) CS55 2,4,6-Tribromophenol	10.70	330	93001	122.21	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 81.47%			
73) CS30 Terphenyl-d14	12.89	244	705949	113.97	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 113.97%			

Target Compounds

						Qvalue
2) C705 n-nitrosodidimethylam	3.02	74	273374	119.28	ng	77
3) E100 Pyridine	3.09	79	447913	116.95	ng	# 71
5) C325 bis(2-Chloroethyl)eth	5.96	93	340967	114.60	ng	# 64
8) C315 Phenol	5.86	94	442634m	115.05	ng	81
9) C330 2-Chlorophenol	6.03	128	315776	115.79	ng	95
10) C320 aniline	5.88	93	494433	116.40	ng	74
11) C335 1,3-Dichlorobenzene	6.21	146	345747	114.10	ng	98
12) C340 1,4-Dichlorobenzene	6.29	146	349563	113.70	ng	97
14) C350 1,2-Dichlorobenzene	6.48	146	320921	112.34	ng	100
15) C345 Benzyl alcohol	6.44	108	211722	118.88	ng	# 84
16) C360 bis(2-chloroisopropyl	6.61	45	330605	114.45	ng	71
17) C355 2-Methylphenol	6.58	108	286750	116.68	ng	97
18) C375 Hexachloroethane	6.88	117	126144	117.99	ng	# 74
19) C370 N-Nitroso-di-n-propyl	6.76	70	216330	113.74	ng	# 58
20) C365 4-Methylphenol	6.76	108	281100	112.79	ng	96
23) C410 Nitrobenzene	6.95	77	335115	116.50	ng	85
24) C415 Isophorone	7.24	82	602401	117.04	ng	89
25) C011 Tetraethyl Lead	7.46	237	101064	110.26	ng	# 79
26) C430 benzoic acid	7.60	122	568115	370.02	ng	# 68
27) C420 2-Nitrophenol	7.32	139	165911	125.64	ng	85
28) C425 2,4-Dimethylphenol	7.39	107	307743	119.69	ng	99
29) C435 bis(2-Chloroethoxy)me	7.49	93	336289	110.47	ng	95
30) C440 2,4-Dichlorophenol	7.61	162	230104	111.19	ng	95

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4273.D
Acq On : 18 Nov 2010 1:40
Sample : T005247-CAL5
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:06:08 2010

Vial: 3
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4275.D (18 Nov 2010 2:25)

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
31) C445 1,2,4-Trichlorobenzen	7.71	180	269577	112.05	ng		94
32) C450 Naphthalene	7.80	128	759015	109.77	ng		98
33) C455 4-Chloroaniline	7.86	127	340470	115.33	ng		99
34) C460 Hexachlorobutadiene	7.96	225	159925	111.91	ng		97
35) C465 4-Chloro-3-methylphen	8.43	107	255928	119.32	ng		100
36) C470 2-Methylnaphthalene	8.61	142	489250	110.35	ng		98
38) C510 Hexachlorocyclopentad	8.81	237	190265	122.58	ng		94
39) C515 2,4,6-Trichlorophenol	8.95	196	176876	122.11	ng		98
40) C520 2,4,5-Trichlorophenol	8.98	196	190065	119.01	ng		95
42) C525 2-Chloronaphthalene	9.18	162	485304	113.07	ng		98
43) C530 2-Nitroaniline	9.30	65	152141	125.19	ng	#	70
44) C540 Acenaphthylene	9.66	152	719691	114.61	ng		94
45) C535 Dimethylphthalate	9.53	163	585929	116.06	ng		99
46) C542 2,6-Dinitrotoluene	9.59	165	141378	127.45	ng		93
47) C550 Acenaphthene	9.87	153	442830	110.65	ng		96
48) C545 3-Nitroaniline	9.79	138	152847	126.76	ng		89
49) C555 2,4-Dinitrophenol	9.90	184	88499	158.47	ng		93
50) C565 Dibenzofuran	10.06	168	641071	107.87	ng		91
51) C570 2,4-Dinitrotoluene	10.06	165	179801	123.05	ng		82
52) C560 4-Nitrophenol	9.98	109	89200	131.13	ng	#	80
53) C590 Fluorene	10.44	166	471843	107.09	ng		96
54) C585 4-Chlorophenyl-phenyl	10.45	204	255291	105.20	ng		97
55) C580 Diethylphthalate	10.34	149	526432	117.14	ng		94
56) C620 1,2-diphenylhydrazine	10.62	77	541110	112.81	ng		75
57) C595 4-Nitroaniline	10.48	138	158579	126.39	ng		96
59) C610 4,6-Dinitro-2-methylp	10.51	198	131896	139.19	ng	#	61
60) C615 n-Nitrosodiphenylamin	10.58	169	382793	111.20	ng		94
62) C625 4-Bromophenyl-phenyle	10.97	248	183693	112.57	ng		96
63) C630 Hexachlorobenzene	11.04	284	192082	109.37	ng		91
64) C635 Pentachlorophenol	11.23	266	145241	128.83	ng		97
65) C640 Phenanthrene	11.44	178	795023	106.08	ng		98
66) C645 Anthracene	11.49	178	812881	109.70	ng		98
67) C647 carbazole	11.65	167	749164	109.53	ng		92
68) C650 Di-n-butylphthalate	11.99	149	874705	115.66	ng		98
69) C655 Fluoranthene	12.56	202	944508	108.25	ng		88
71) C715 Pyrene	12.76	202	959758	114.08	ng		87
72) C710 benzidine	12.67	184	482005	141.15	ng		100
74) C720 Butylbenzylphthalate	13.32	149	415469	123.47	ng		89
75) C725 3,3'-Dichlorobenzidin	13.78	252	455519	129.70	ng		98
76) C730 Benzo[a]anthracene	13.81	228	935071	110.49	ng		98
77) C735 Chrysene	13.85	228	1007884	112.77	ng		97
78) C740 bis(2-Ethylhexyl)phth	13.81	149	531720	119.43	ng		99
79) C760 Di-n-octylphthalate	14.35	149	1143977	136.49	ng		99
81) C765 Benzo[b]fluoranthene	14.75	252	1297204	111.38	ng		97
82) C770 Benzo[k]fluoranthene	14.78	252	1272032	108.60	ng		96
83) C775 Benzo[a]pyrene	15.05	252	1165942	117.62	ng		97
84) C780 Indeno[1,2,3-cd]pyren	16.23	276	1508096	115.37	ng		100
85) C785 Dibenz[a,h]anthracene	16.23	278	1236070	113.44	ng		97
86) C790 Benzo[g,h,i]perylene	16.55	276	1315998	117.56	ng		98

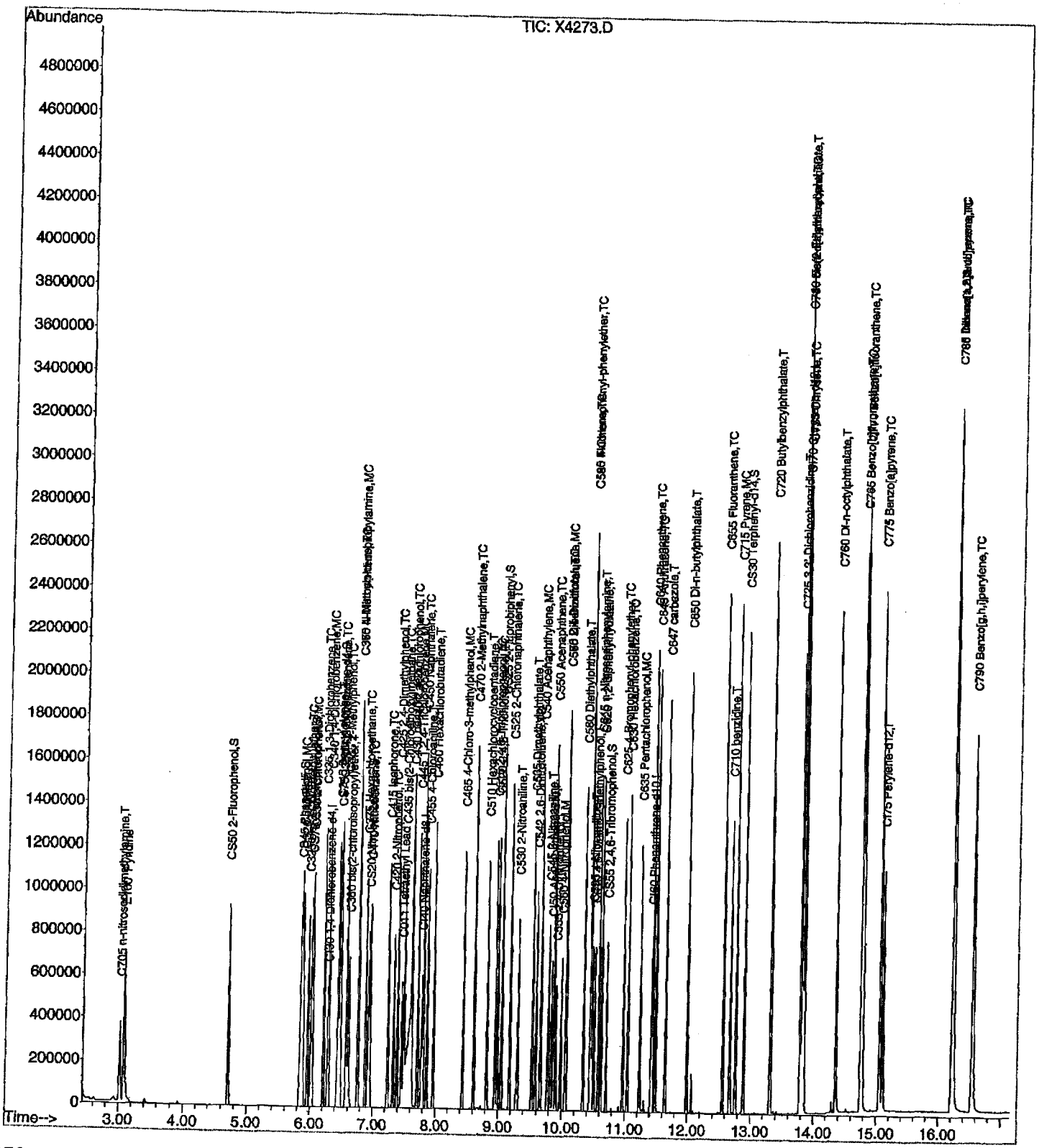
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4273.D
Acq On : 18 Nov 2010 1:40
Sample : T005247-CAL5
Misc :
MS Integration Params: rteint.p

Vial: 3
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Nov 18 09:06:08 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

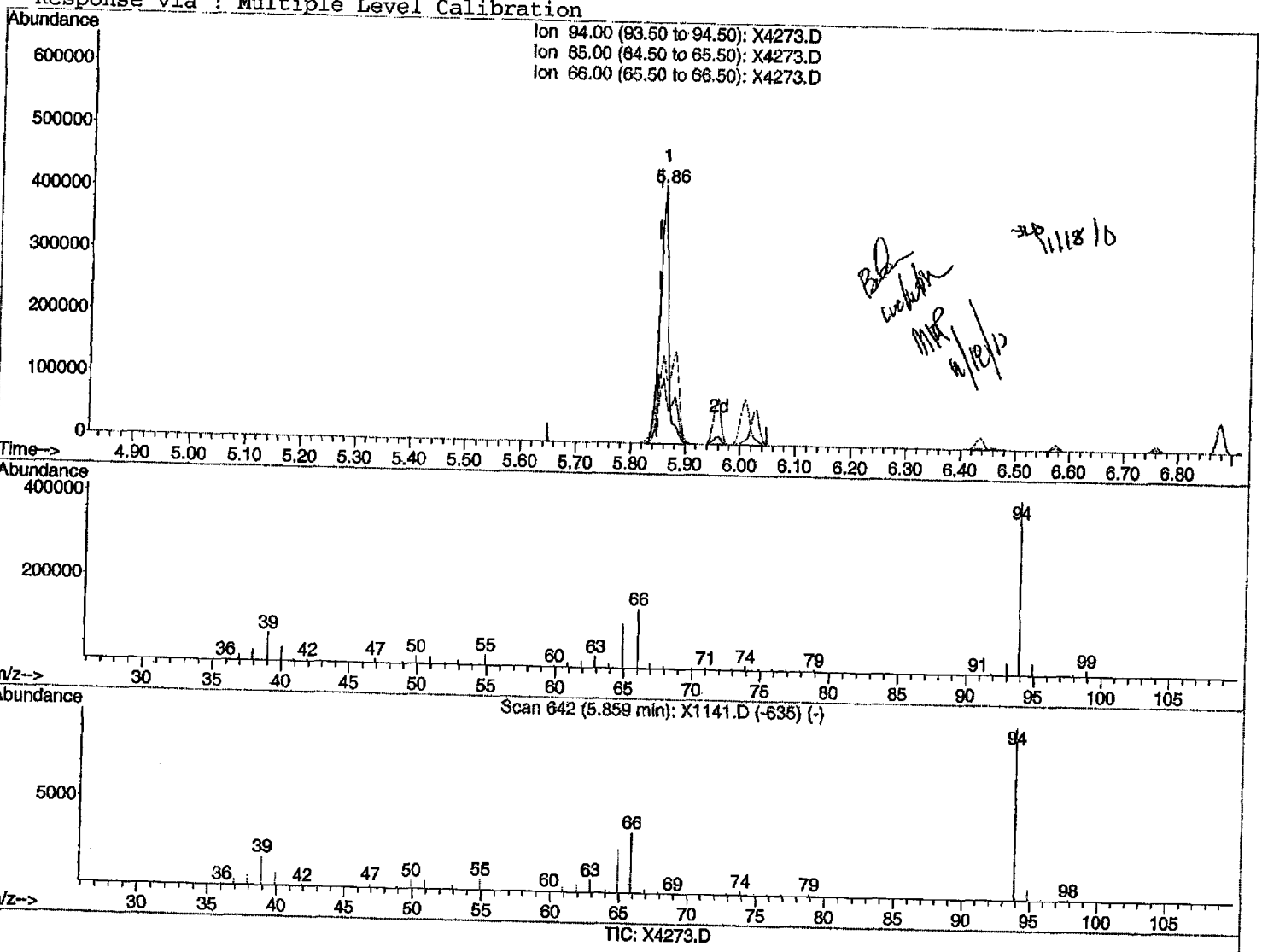


Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4273.D
Acq On : 18 Nov 2010 1:40
Sample : T005247-CAL5
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:49 2010

Vial: 3
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration



TIC: X4273.D

(8) C315 Phenol (MC)

5.86min (+0.011) 120.55ng

response 463804

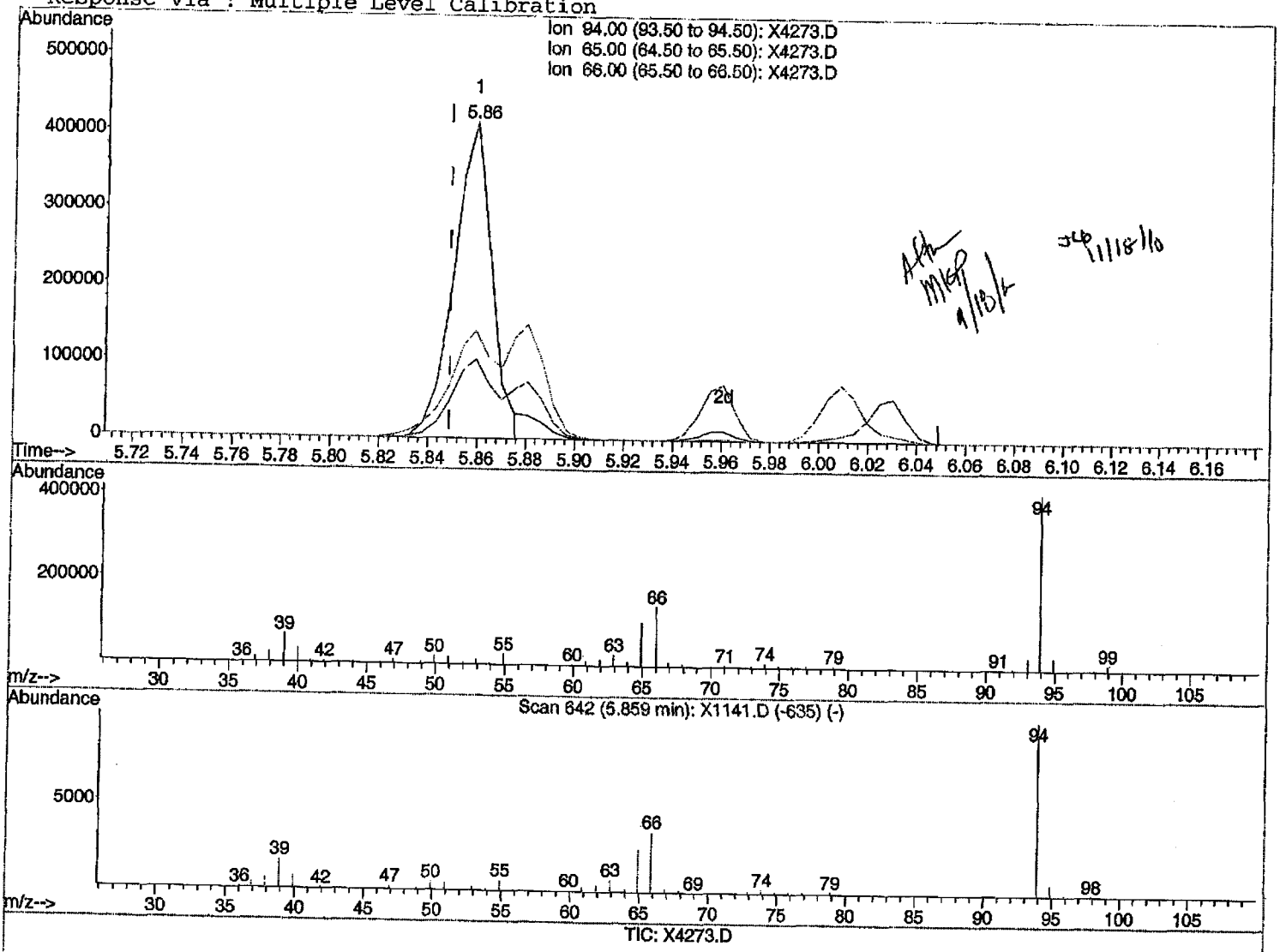
Ion	Exp%	Act%
94.00	100	100
65.00	32.70	24.89
66.00	49.10	33.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4273.D
Acq On : 18 Nov 2010 1:40
Sample : T005247-CAL5
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:49 2010

Vial: 3
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration



TIC: X4273.D

(8) C315 Phenol (MC)

5.86min (+0.011) 115.05ng m

response 442634

Ion	Exp%	Act%
94.00	100	100
65.00	32.70	24.89
66.00	49.10	33.89
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4272.D
Acq On : 18 Nov 2010 1:17
Sample : T005247-CAL6
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:05:26 2010

Vial: 2
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4275.D (18 Nov 2010 2:25)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.27	152	69973	40.00	ng	0.00
21) CI40 Naphthalene-d8	7.77	136	266093	40.00	ng	92.92% 0.00
37) CI50 Acenaphthene-d10	9.83	164	154363	40.00	ng	98.23% 0.00
58) CI60 Phenanthrene-d10	11.42	188	285497	40.00	ng	99.74% 0.00
70) CI70 Chrysene-d12	13.82	240	333141	40.00	ng	101.04% 0.00
80) CI75 Perylene-d12	15.11	264	463025	40.00	ng	91.54% 0.01
						103.61%
System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.70	112	437404	161.39	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 107.59%			
6) CS45 Phenol-d5	5.84	99	524393	160.49	ng	0.01
Spiked Amount 150.000	Range 0 - 110		Recovery = 106.99%			
7) CS70 2-chlorophenol-d4	6.01	132	395346	160.14	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 106.76%			
13) CS75 1,2-dichlorobenzene-d	6.46	152	246206	150.96	ng	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 150.96%#			
22) CS20 Nitrobenzene-d5	6.92	82	427227	160.29	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 160.29%#			
41) CS25 2-Fluorobiphenyl	9.05	172	684629	139.86	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 139.86%#			
61) CS55 2,4,6-Tribromophenol	10.70	330	123092	163.58	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 109.05%			
73) CS30 Terphenyl-d14	12.90	244	890131	148.23	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 148.23%#			
Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	3.01	74	352364	163.33	ng	78
3) E100 Pyridine	3.07	79	576455	159.89	ng #	72
5) C325 bis(2-Chloroethyl)eth	5.96	93	434979	155.31	ng #	65
8) C315 Phenol	5.86	94	566028m	156.29	ng	85
9) C330 2-Chlorophenol	6.03	128	404702	157.65	ng	94
10) C320 aniline	5.88	93	639513	159.94	ng #	66
11) C335 1,3-Dichlorobenzene	6.21	146	431858	151.41	ng	99
12) C340 1,4-Dichlorobenzene	6.29	146	433334	149.74	ng	98
14) C350 1,2-Dichlorobenzene	6.48	146	398185	148.08	ng	100
15) C345 Benzyl alcohol	6.44	108	278611	166.20	ng #	83
16) C360 bis(2-chloroisopropyl	6.61	45	427149	157.09	ng	72
17) C355 2-Methylphenol	6.58	108	372538	161.04	ng	98
18) C375 Hexachloroethane	6.88	117	156147	155.16	ng #	68
19) C370 N-Nitroso-di-n-propyl	6.77	70	280008	156.39	ng #	58
20) C365 4-Methylphenol	6.76	108	357682	152.46	ng	96
23) C410 Nitrobenzene	6.95	77	434264	154.51	ng	86
24) C415 Isophorone	7.24	82	792654	157.61	ng	90
25) C011 Tetraethyl Lead	7.45	237	126239	140.96	ng #	79
26) C430 benzoic acid	7.64	122	771793m	514.46	ng #	1
27) C420 2-Nitrophenol	7.32	139	216159	167.52	ng	86
28) C425 2,4-Dimethylphenol	7.39	107	400033	159.23	ng	99
29) C435 bis(2-Chloroethoxy)me	7.49	93	440211	148.00	ng	96
30) C440 2,4-Dichlorophenol	7.61	162	296593	146.68	ng	97

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4272.D
Acq On : 18 Nov 2010 1:17
Sample : T005247-CAL6
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:05:26 2010

Vial: 2
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4275.D (18 Nov 2010 2:25)

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
31) C445 1,2,4-Trichlorobenzen	7.71	180	341322	145.19 ng		95
32) C450 Naphthalene	7.80	128	955127	141.38 ng		98
33) C455 4-Chloroaniline	7.86	127	439882	152.49 ng		99
34) C460 Hexachlorobutadiene	7.96	225	201222	144.11 ng		97
35) C465 4-Chloro-3-methylphen	8.44	107	332117	158.47 ng		98
36) C470 2-Methylnaphthalene	8.62	142	620386	143.21 ng		98
38) C510 Hexachlorocyclopentad	8.81	237	245964	157.00 ng		93
39) C515 2,4,6-Trichlorophenol	8.95	196	230436	157.63 ng		97
40) C520 2,4,5-Trichlorophenol	8.99	196	248967	154.46 ng		93
42) C525 2-Chloronaphthalene	9.18	162	617940	142.65 ng		99
43) C530 2-Nitroaniline	9.31	65	202289	164.92 ng	#	66
44) C540 Acenaphthylene	9.66	152	907362	143.17 ng		93
45) C535 Dimethylphthalate	9.53	163	761265	149.40 ng		98
46) C542 2,6-Dinitrotoluene	9.59	165	187359	167.35 ng		90
47) C550 Acenaphthene	9.87	153	568234	140.68 ng		96
48) C545 3-Nitroaniline	9.79	138	203033	166.83 ng		89
49) C555 2,4-Dinitrophenol	9.91	184	122009	216.46 ng		92
50) C565 Dibenzofuran	10.07	168	796409	132.78 ng		90
51) C570 2,4-Dinitrotoluene	10.06	165	230050	155.99 ng		80
52) C560 4-Nitrophenol	9.99	109	121088	176.37 ng	#	81
53) C590 Fluorene	10.45	166	582292	130.94 ng		95
54) C585 4-Chlorophenyl-phenyl	10.45	204	317739	129.73 ng		96
55) C580 Diethylphthalate	10.34	149	670681	147.86 ng		94
56) C620 1,2-diphenylhydrazine	10.62	77	686115	141.73 ng		75
57) C595 4-Nitroaniline	10.49	138	210855	166.51 ng		96
59) C610 4,6-Dinitro-2-methylp	10.52	198	177681	189.63 ng	#	60
60) C615 n-Nitrosodiphenylamin	10.58	169	494506	145.28 ng		93
62) C625 4-Bromophenyl-phenyle	10.97	248	235977	146.24 ng		93
63) C630 Hexachlorobenzene	11.05	284	248118	142.88 ng		94
64) C635 Pentachlorophenol	11.24	266	189981	170.42 ng		97
65) C640 Phenanthrene	11.44	178	998890	134.79 ng		98
66) C645 Anthracene	11.49	178	1019542	139.14 ng		97
67) C647 carbazole	11.65	167	958382	141.70 ng		92
68) C650 Di-n-butylphthalate	11.99	149	1105604	147.85 ng		98
69) C655 Fluoranthene	12.56	202	1186800	137.56 ng		89
71) C715 Pyrene	12.76	202	1206393	147.92 ng		88
72) C710 benzidine	12.67	184	630345	190.41 ng		99
74) C720 Butylbenzylphthalate	13.32	149	511158	156.70 ng		92
75) C725 3,3'-Dichlorobenzidin	13.79	252	569669	167.32 ng		98
76) C730 Benzo[a]anthracene	13.81	228	1133724	138.19 ng		97
77) C735 Chrysene	13.85	228	1263396	145.82 ng		97
78) C740 bis(2-Ethylhexyl)phth	13.81	149	645405	149.54 ng		99
79) C760 Di-n-octylphthalate	14.35	149	1428797	175.85 ng		98
81) C765 Benzo[b]fluoranthene	14.75	252	1668351	143.82 ng		97
82) C770 Benzo[k]fluoranthene	14.78	252	1581375	135.56 ng		96
83) C775 Benzo[a]pyrene	15.06	252	1482570	150.16 ng		97
84) C780 Indeno[1,2,3-cd]pyren	16.24	276	2005056	154.01 ng		98
85) C785 Dibenz[a,h]anthracene	16.24	278	1609893	148.34 ng		96
86) C790 Benzo[g,h,i]perylene	16.57	276	1742154	156.25 ng		97

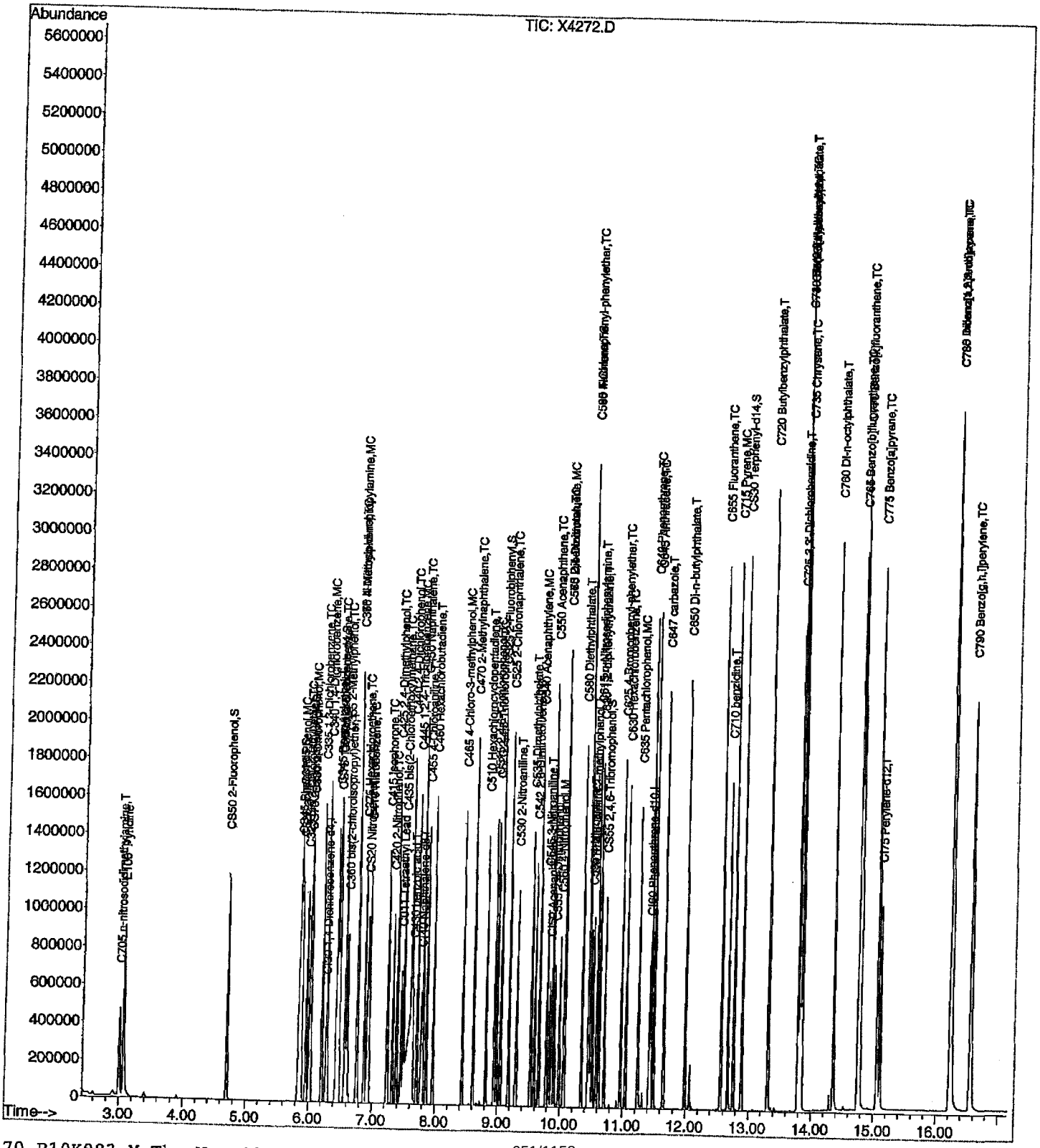
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4272.D
Acq On : 18 Nov 2010 1:17
Sample : T005247-CAL6
Misc :
MS Integration Params: rteint.p

Vial: 2
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Nov 18 09:05:26 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

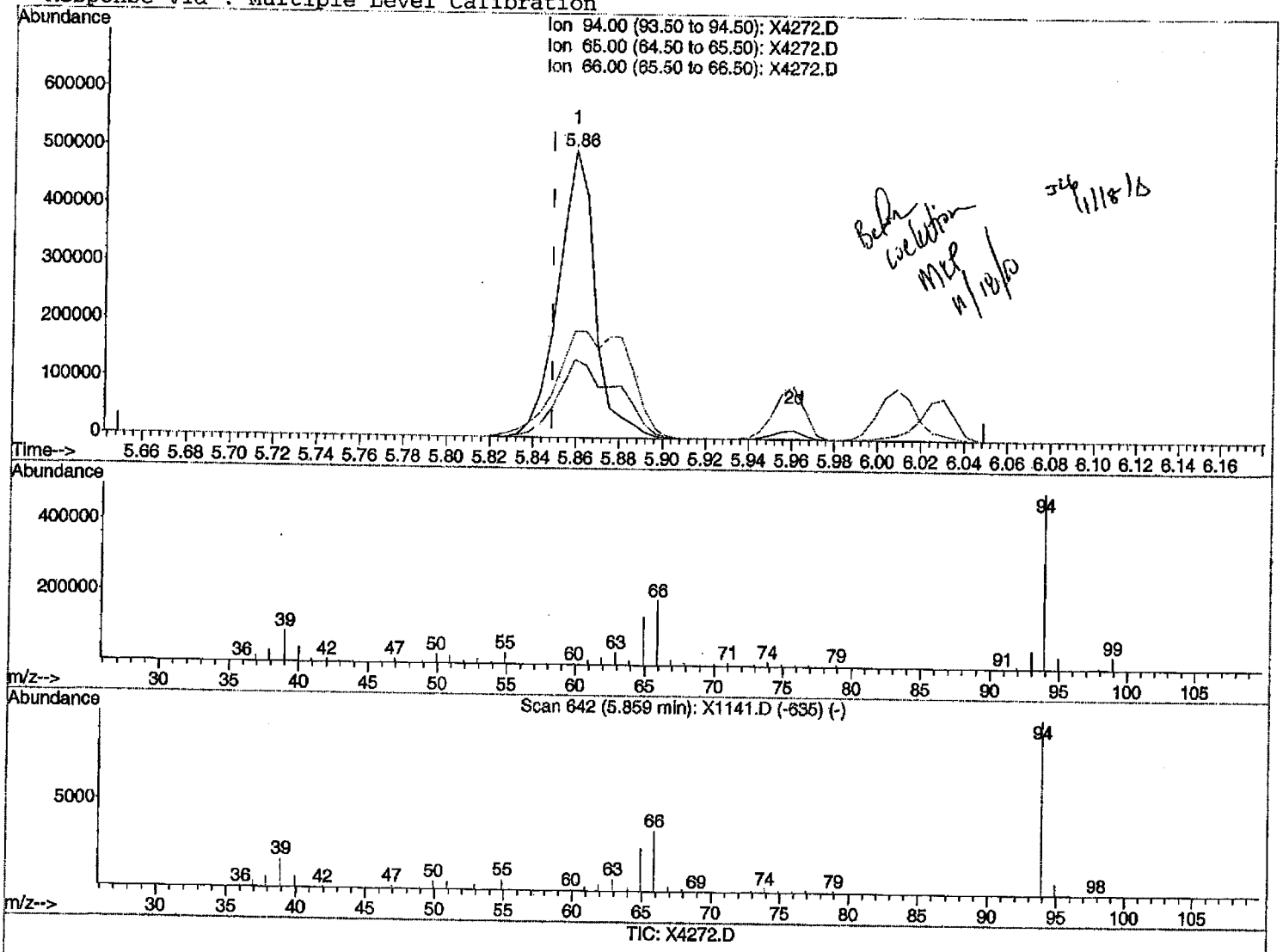


Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4272.D
Acq On : 18 Nov 2010 1:17
Sample : T005247-CAL6
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:51 2010

Vial: 2
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration



TIC: X4272.D

(8) C315 Phenol (MC)

5.86min (+0.011) 163.29ng

response 591385

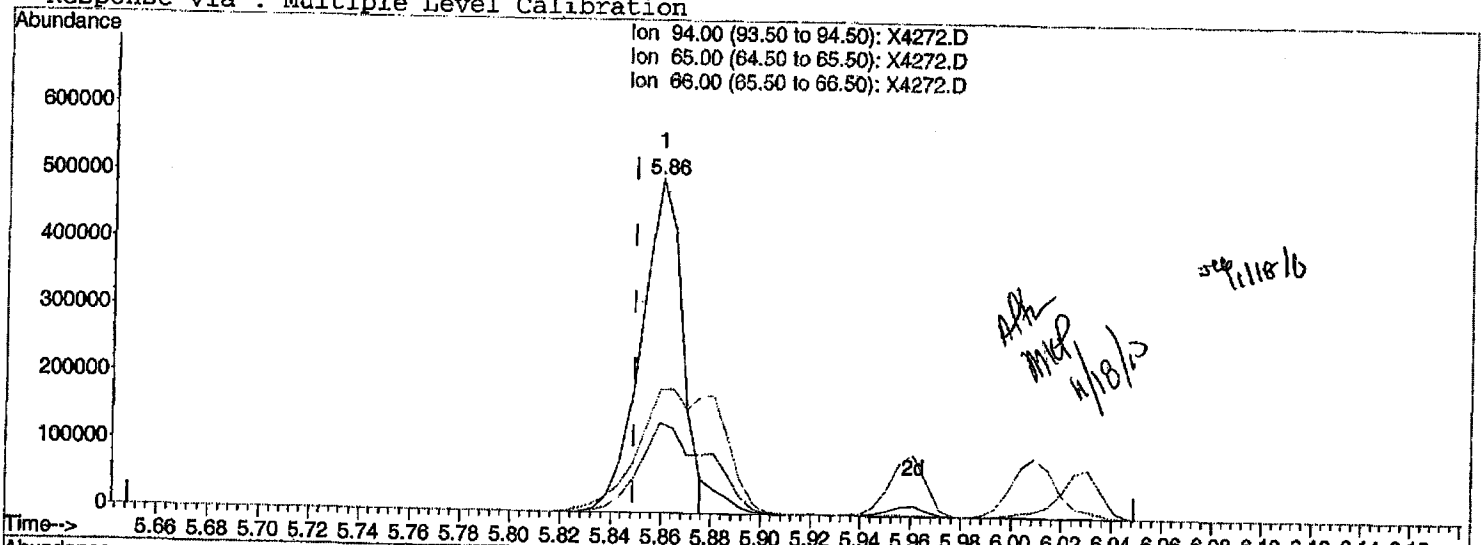
Ion	Exp%	Act%
94.00	100	100
65.00	32.70	27.01
66.00	49.10	36.91
0.00	0.00	0.00

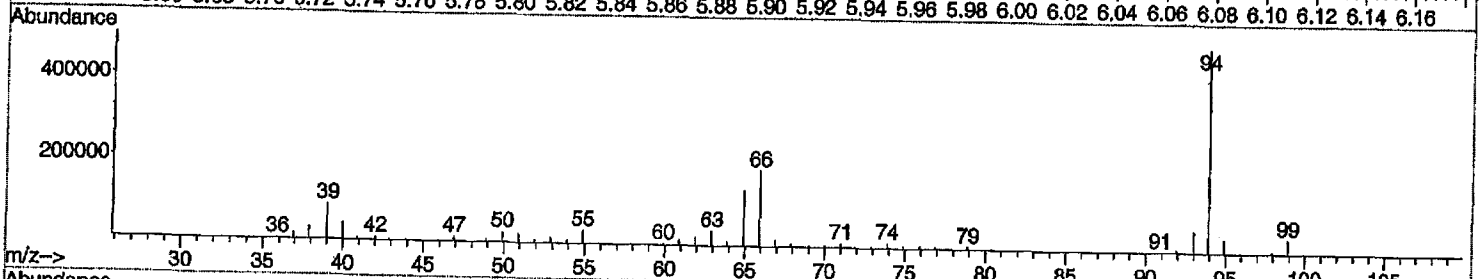
Quantitation Report (Qedit)

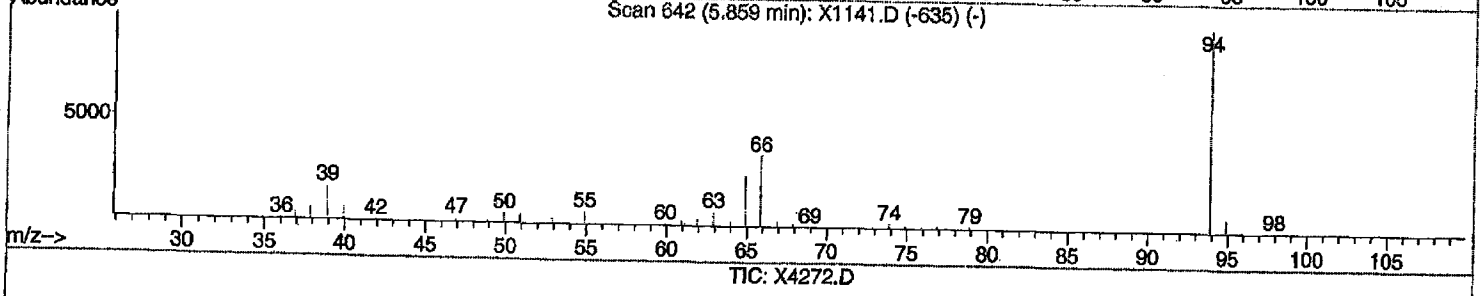
Data File : D:\DATA\111810\X4272.D
Acq On : 18 Nov 2010 1:17
Sample : T005247-CAL6
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:51 2010

Vial: 2
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration







TIC: X4272.D

(8) C315 Phenol (MC)

5.86min (+0.011) 156.29ng m

response 566028

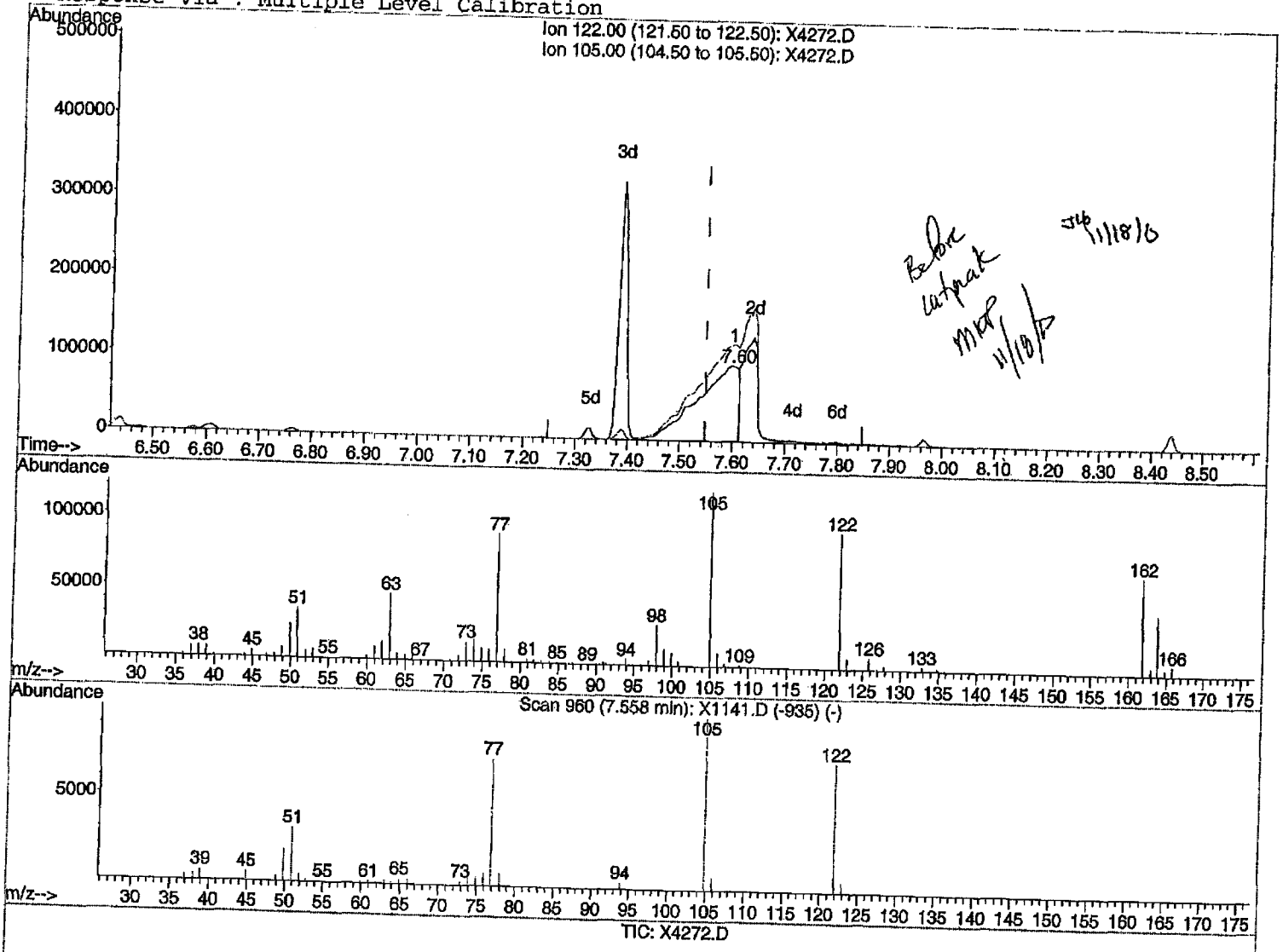
Ion	Exp%	Act%
94.00	100	100
65.00	32.70	27.01
66.00	49.10	36.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4272.D
Acq On : 18 Nov 2010 1:17
Sample : T005247-CAL6
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:51 2010

Vial: 2
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration



TIC: X4272.D

(26) C430 benzoic acid (T)

7.60min (+0.053) 346.94ng

response 520481

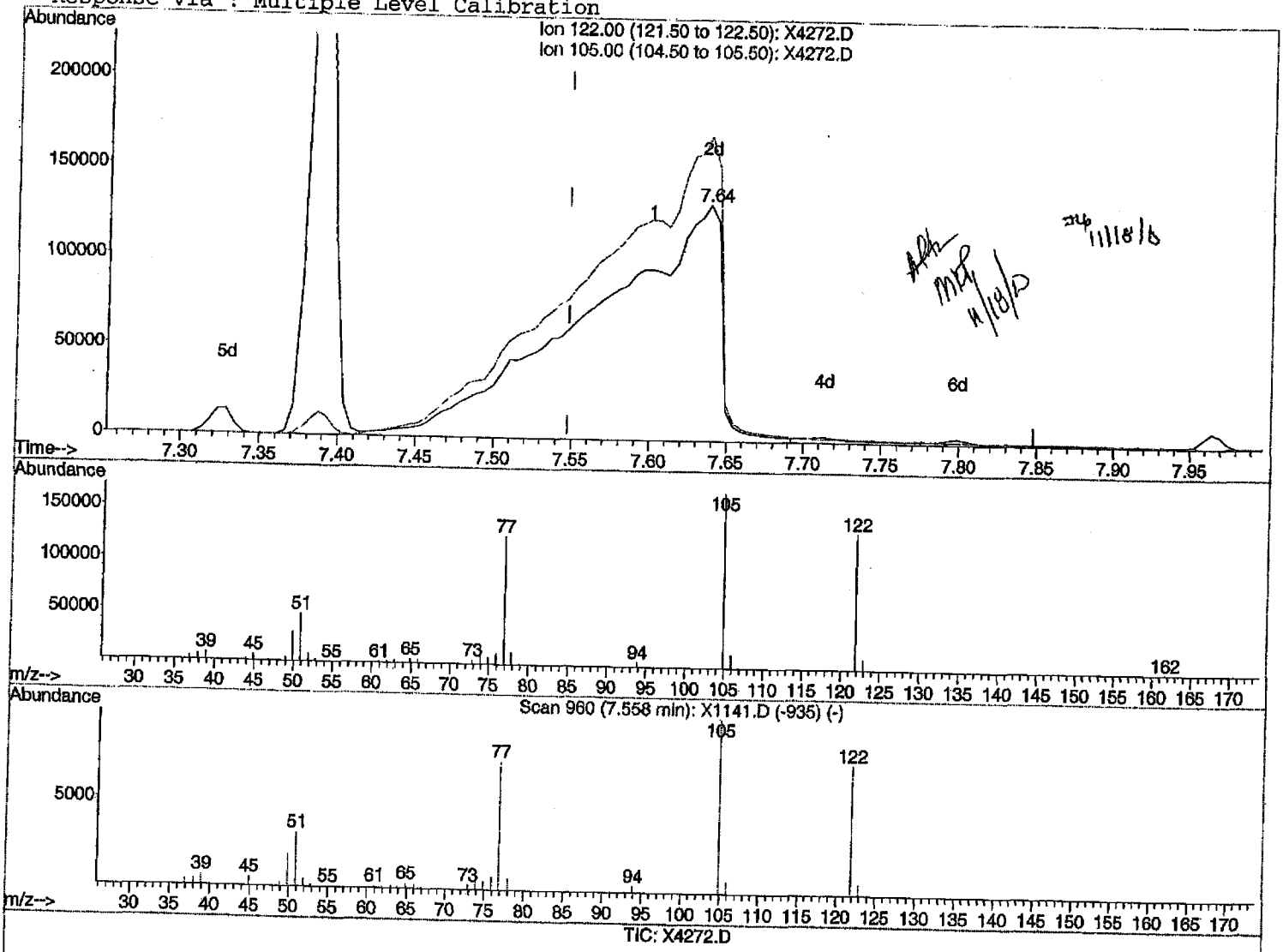
Ion	Exp%	Act%
122.00	100	100
105.00	175.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4272.D
Acq On : 18 Nov 2010 1:17
Sample : T005247-CAL6
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:04:51 2010

Vial: 2
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Nov 18 09:04:25 2010
Response via : Multiple Level Calibration



TIC: X4272.D

(26) C430 benzoic acid (T)

7.64min (+0.091) 514.46ng m

response 771793

Ion	Exp%	Act%
122.00	100	100
105.00	175.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Response Factor Report HP5973X

Method Path : C:\MSDCHEM\1\METHODS\TCLADDS\
Method File : TCLADD_R10K083.M
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 10:01:07 2010
Response Via : Initial Calibration

Calibration Files
5 =X4283.D 20 =X4282.D 50 =X4281.D
80 =X4280.D 120 =X4279.D 160 =X4278.D

		Compound	5	20	50	80	120	160	Avg	%RSD
1)	I	CI30 1,4-Dichlorobenz	----------ISTD----------							
2)	TC	E600 Benzaldehyde	1.056	1.149	1.139	1.139	1.088	1.089	1.110	3.39#
3)		E145 Acetophenone	1.745	1.966	1.901	1.906	1.829	1.812	1.860	4.26
4)	I	CI40 Naphthalene-d8	----------ISTD----------							
5)		E655 Caprolactam	0.031	0.081	0.101	0.110	0.113	0.115	-----	
								L	M= 0.119 R=1.000	
									B= -0.017	
6)		E195 1,2,4,5-Tetrac	0.361	0.357	0.331	0.323	0.300	0.290	0.327	8.88
7)	I	CI50 Acenaphthene-d8	----------ISTD----------							
8)		C811 1,1'-Biphenyl	1.600	1.599	1.484	1.431	1.305	1.242	1.444	10.28
9)		E230 2,3,4,6-Tetrac	0.130	0.253	0.293	0.304	0.301	0.301	-----	
								L	M= 0.307 R=1.000	
									B= -0.020	
10)	I	CI60 Phenanthrene-d10	----------ISTD----------							
11)		E510 Atrazine	0.132	0.173	0.196	0.201	0.195	0.196	0.182	14.41
12)	I	CI70 Chrysene-d12	----------ISTD----------							
13)	I	CI75 Perylene-d12	----------ISTD----------							
									Total Average %RSD	8.24

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

TCLADD_R10K083.M Thu Nov 18 10:01:27 2010

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4283.D
Acq On : 18 Nov 2010 5:27
Sample : T005247-CAL7
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:58:52 2010

Vial: 13
Operator: JLG
Inst : HP5973X
Multiplr: 1.00
Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4281.D (18 Nov 2010 4:42)

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.27	152	61831	40.00	ng		0.00 92.37%
4) CI40 Naphthalene-d8	7.77	136	223370	40.00	ng		0.00 92.42%
7) CI50 Acenaphthene-d8	9.83	164	119181	40.00	ng		0.00 91.57%
10) CI60 Phenanthrene-d10	11.41	188	219754	40.00	ng		0.00 93.26%
12) CI70 Chrysene-d12	13.81	240	300768	40.00	ng		0.00 95.36%
13) CI75 Perylene-d12	15.10	264	340123	40.00	ng		0.00 94.22%
Target Compounds							Qvalue
2) E600 Benzaldehyde	5.74	77	8162	4.76	ng		95
3) E145 Acetophenone	6.74	105	13490	4.69	ng		95
5) E655 Caprolactam	8.21	113	874m	1.71	ng		0
6) E195 1,2,4,5-Tetrachlorobe	8.81	216	10088	5.53	ng		100
8) C811 1,1'-Biphenyl	9.16	154	23843	5.54	ng		96
9) E230 2,3,4,6-Tetrachloroph	10.21	232	1942m	2.47	ng	#	0
11) E510 Atrazine	11.13	200	3635	3.63	ng		85

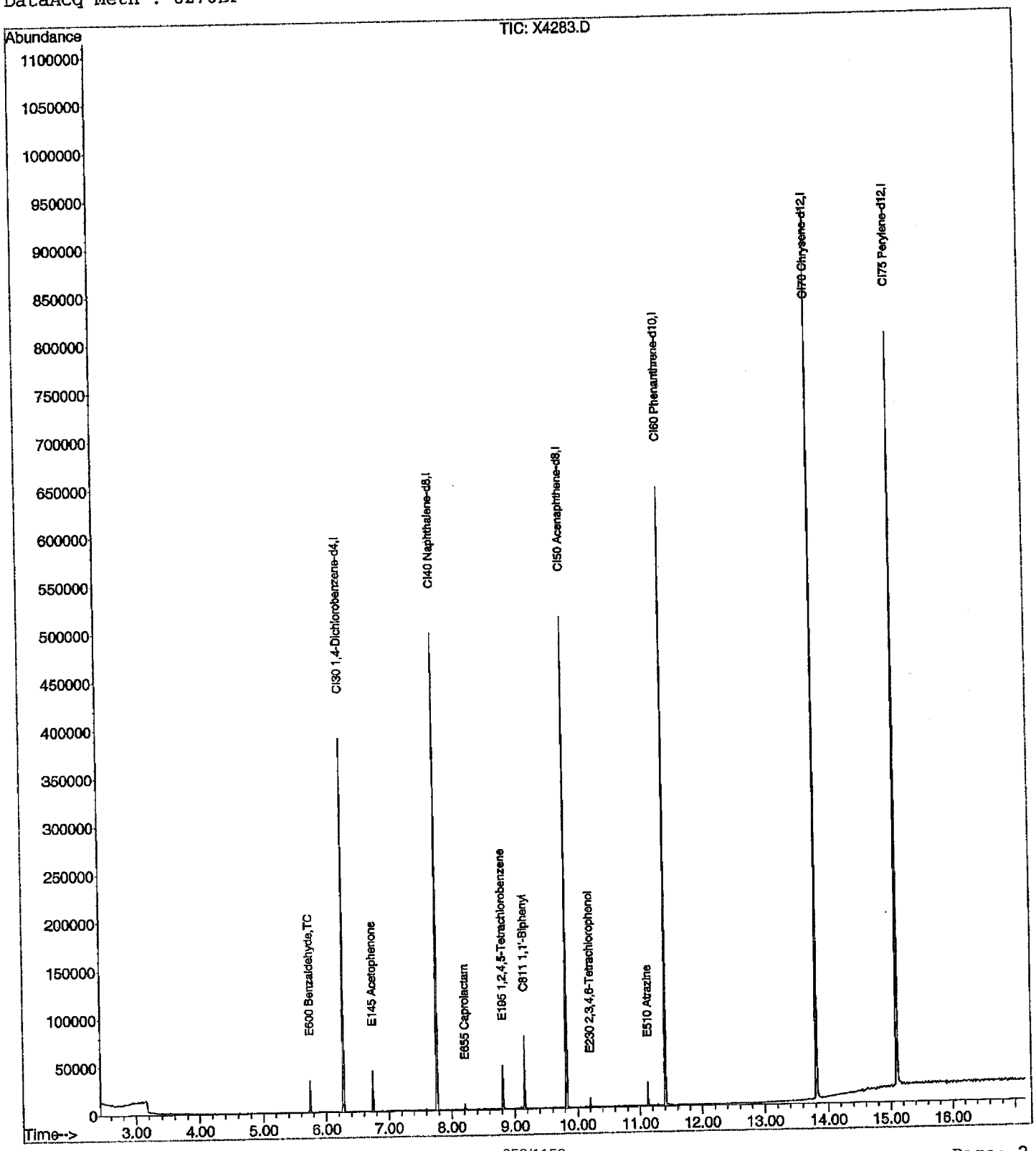
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4283.D
Acq On : 18 Nov 2010 5:27
Sample : T005247-CAL7
Misc :
MS Integration Params: rteint.p

Vial: 13
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Nov 18 09:58:52 2010 Results File: TCLADD_...K083.RES
Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

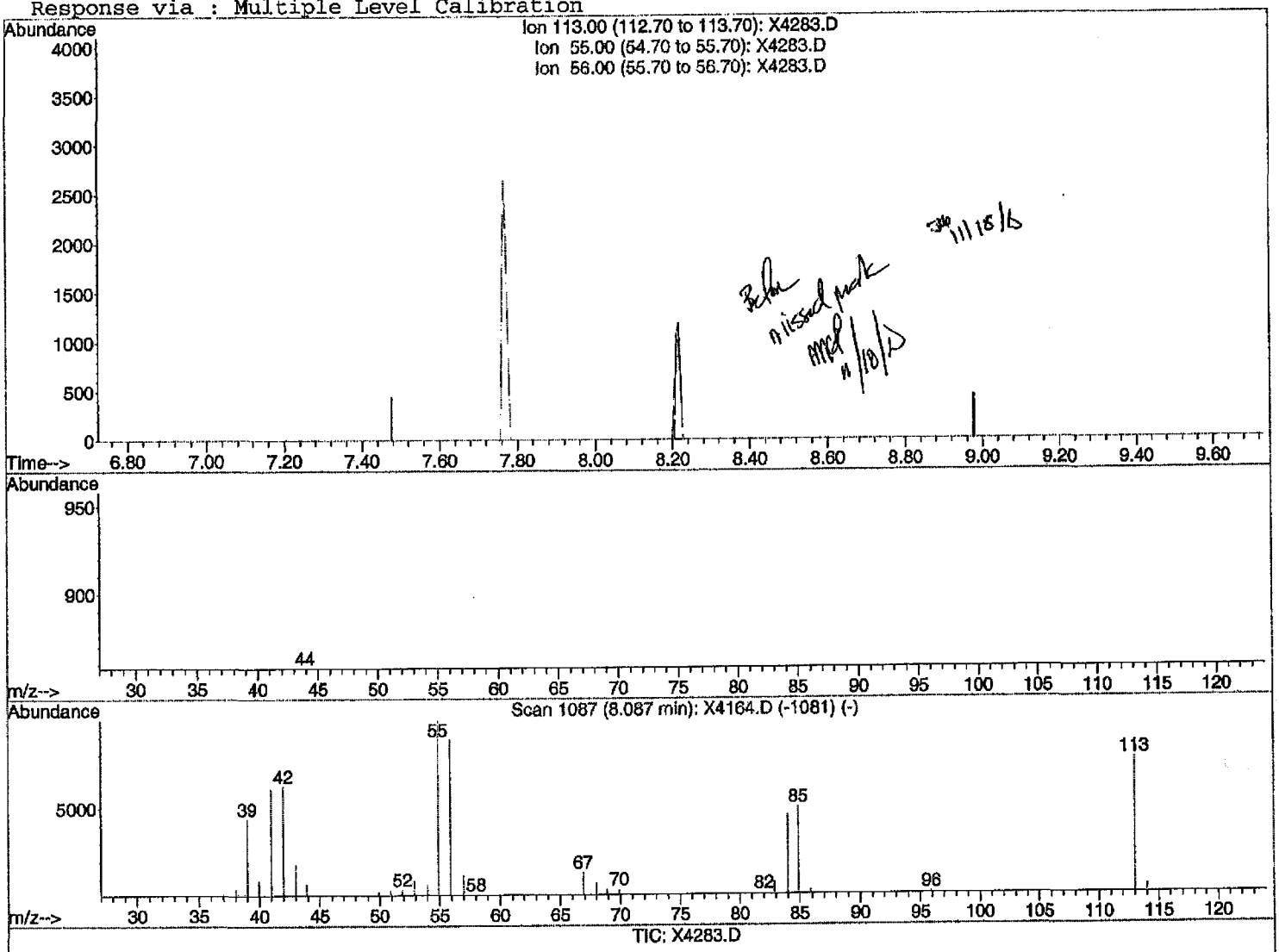


Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4283.D
Acq On : 18 Nov 2010 5:27
Sample : T005247-CAL7
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:57:53 2010

Vial: 13
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Multiple Level Calibration



TIC: X4283.D

(5) E655 Caprolactam

8.23min (-8.226) 0.00ng

response 0

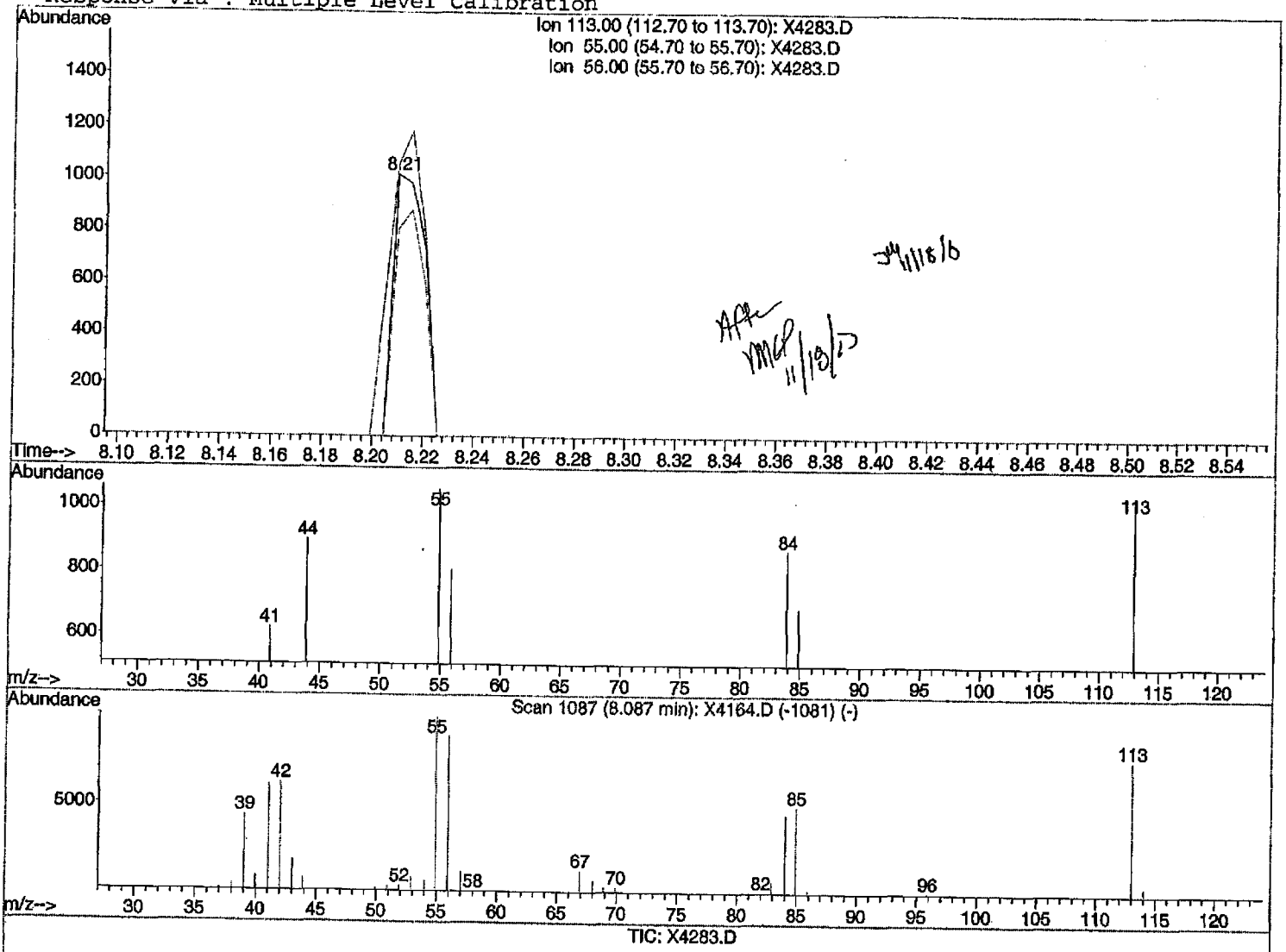
Ion	Exp%	Act%
113.00	100	0.00
55.00	90.90	0.00#
56.00	94.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4283.D
Acq On : 18 Nov 2010 5:27
Sample : T005247-CAL7
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:57:53 2010

Vial: 13
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Multiple Level Calibration



TIC: X4283.D

(5) E655 Caprolactam

8.21min (-0.016) 1.71ng m

response 874

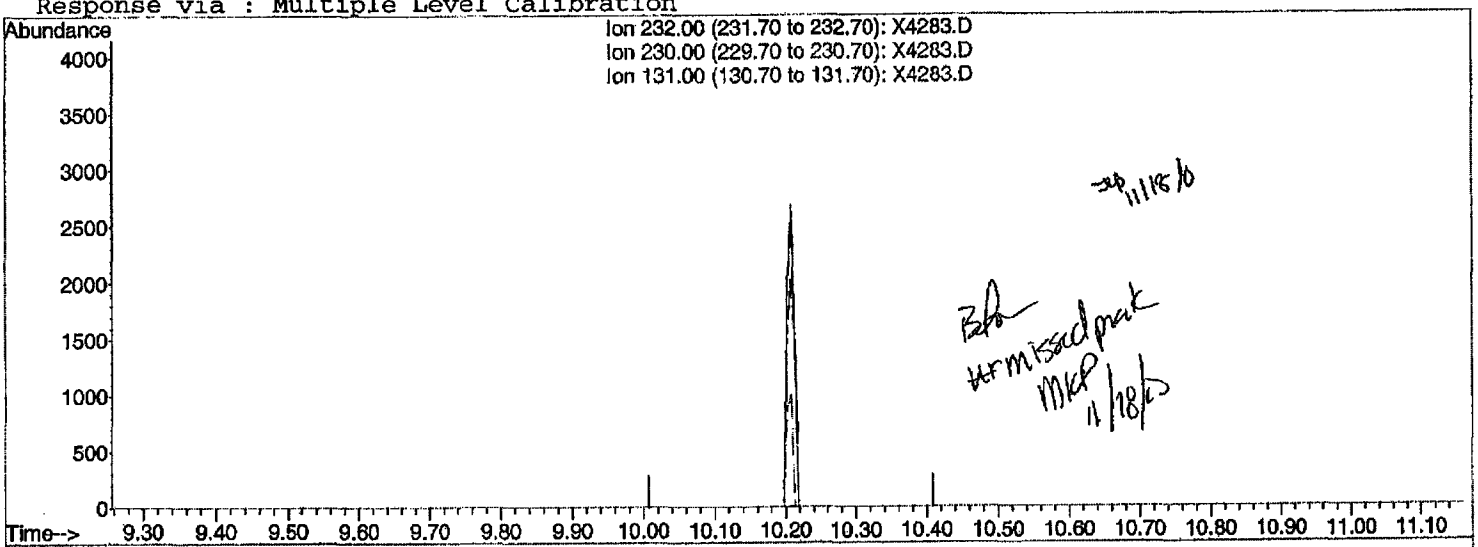
Ion	Exp%	Act%
113.00	100	100
55.00	90.90	104.04
56.00	94.00	79.21
0.00	0.00	0.00

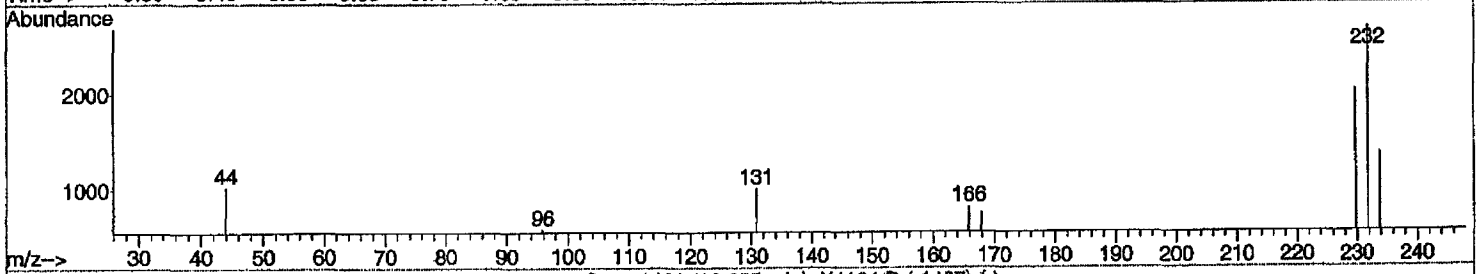
Quantitation Report (Qedit)

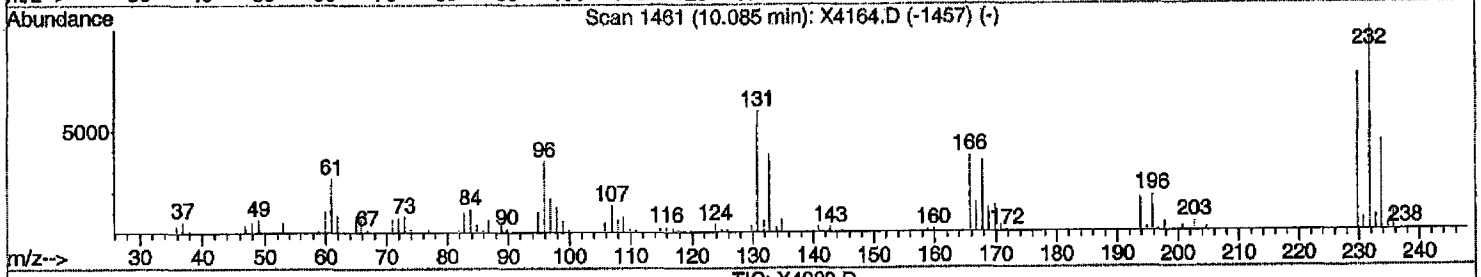
Data File : D:\DATA\111810\X4283.D
Acq On : 18 Nov 2010 5:27
Sample : T005247-CAL7
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:57:53 2010

Vial: 13
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Multiple Level Calibration







TIC: X4283.D

(9) E230 2,3,4,6-Tetrachlorophenol

10.21min (-10.208) 0.00ng

response 0

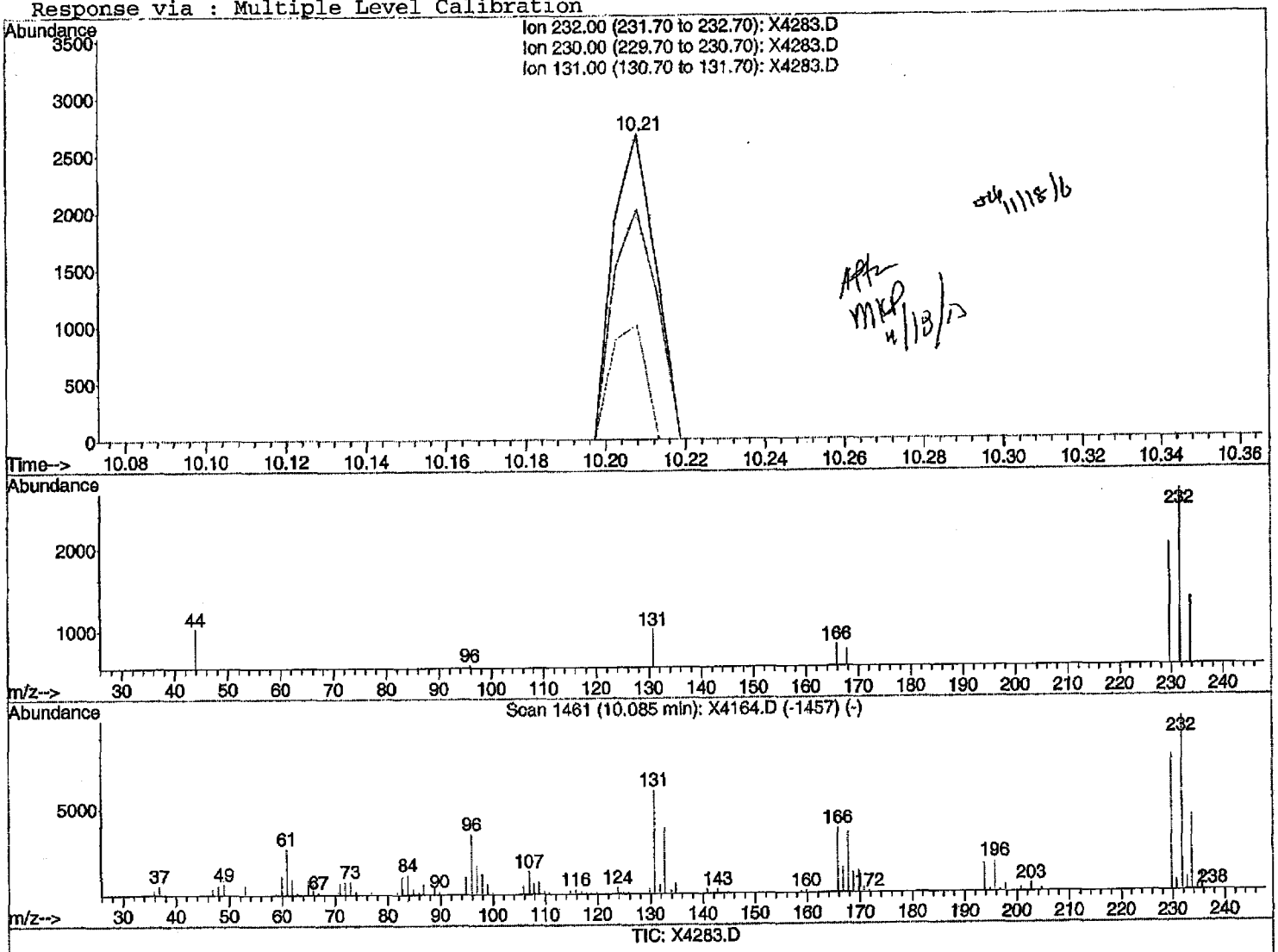
Ion	Exp%	Act%
232.00	100	0.00
230.00	0.00	0.00
131.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\DATA\111810\X4283.D
Acq On : 18 Nov 2010 5:27
Sample : T005247-CAL7
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:57:53 2010

Vial: 13
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\MET...TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Multiple Level Calibration



TIC: X4283.D

(9) E230 2,3,4,6-Tetrachlorophenol

10.21min (+0.000) 2.47ng m

response 1942

Ion	Exp%	Act%
232.00	100	100
230.00	0.00	75.46#
131.00	0.00	37.45#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4282.D Vial: 12
Acq On : 18 Nov 2010 5:05 Operator: JLG
Sample : T005247-CAL8 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 18 09:57:54 2010 Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4281.D (18 Nov 2010 4:42)

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.27	152	63324	40.00 ng		0.00 94.60%
4) CI40 Naphthalene-d8	7.77	136	230651	40.00 ng		0.00 95.43%
7) CI50 Acenaphthene-d8	9.83	164	123199	40.00 ng		0.00 94.66%
10) CI60 Phenanthrene-d10	11.41	188	226660	40.00 ng		0.00 96.20%
12) CI70 Chrysene-d12	13.81	240	304274	40.00 ng		0.00 96.47%
13) CI75 Perylene-d12	15.10	264	341962	40.00 ng		0.00 94.73%
Target Compounds						Qvalue
2) E600 Benzaldehyde	5.74	77	36390	20.71 ng		95
3) E145 Acetophenone	6.74	105	62243	21.14 ng		95
5) E655 Caprolactam	8.22	113	9364	17.69 ng	#	85
6) E195 1,2,4,5-Tetrachlorobe	8.81	216	41124	21.82 ng		98
8) C811 1,1'-Biphenyl	9.16	154	98470	22.15 ng		94
9) E230 2,3,4,6-Tetrachloroph	10.21	232	15592	19.21 ng	#	100
11) E510 Atrazine	11.13	200	19604	19.01 ng		88

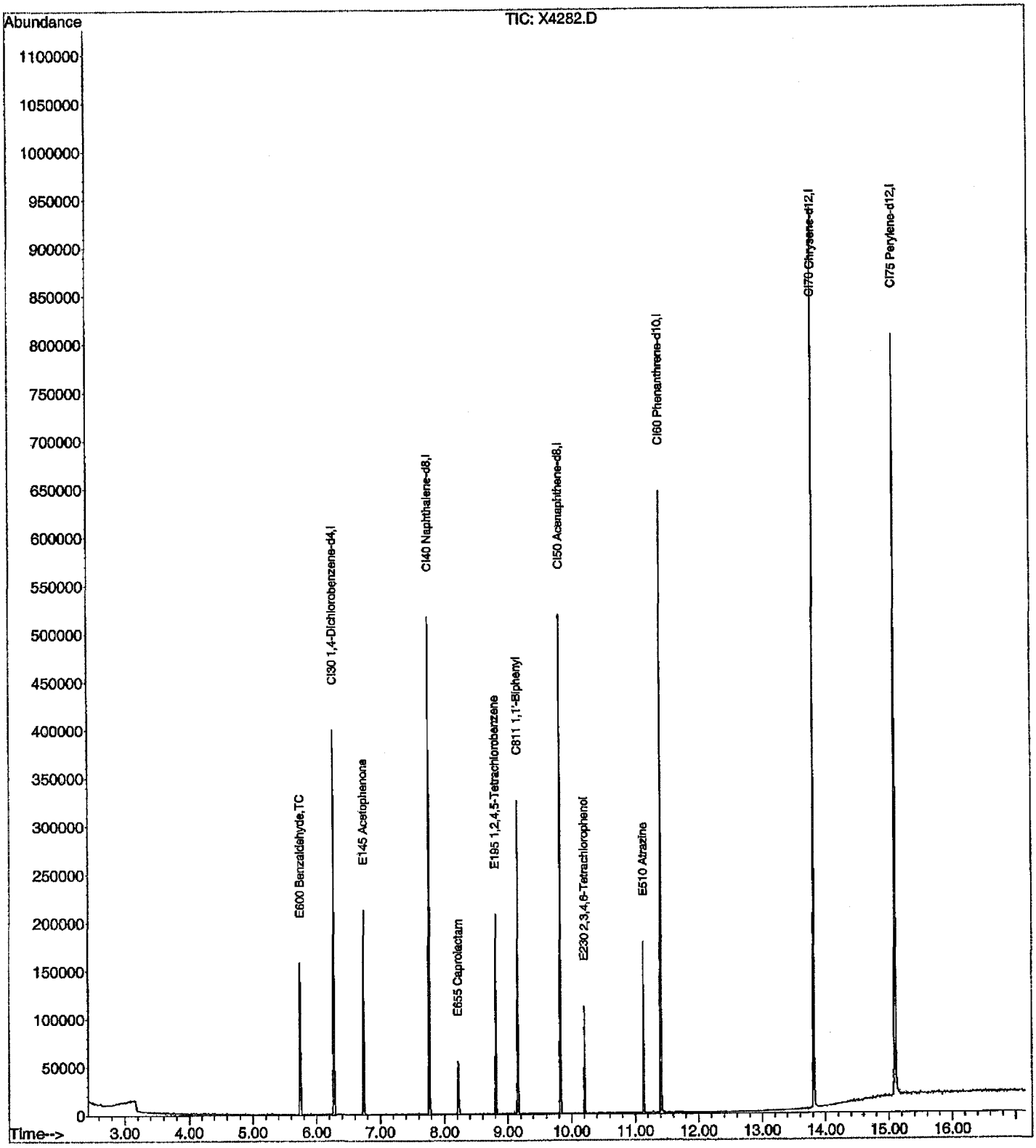
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4282.D
Acq On : 18 Nov 2010 5:05
Sample : T005247-CAL8
Misc :
MS Integration Params: rteint.p

Vial: 12
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Nov 18 09:57:54 2010 Results File: TCLADD_...K083.RES
Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4281.D
Acq On : 18 Nov 2010 4:42
Sample : T005247-CAL9
Misc : T005253-CCV2
MS Integration Params: rteint.p
Quant Time: Nov 18 09:57:22 2010

Vial: 11
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:12 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4281.D (18 Nov 2010 4:42)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.27	152	66937	40.00 ng	0.00 100.00%
4) CI40 Naphthalene-d8	7.77	136	241693	40.00 ng	0.00 100.00%
7) CI50 Acenaphthene-d8	9.83	164	130149	40.00 ng	0.00 100.00%
10) CI60 Phenanthrene-d10	11.41	188	235625	40.00 ng	0.00 100.00%
12) CI70 Chrysene-d12	13.81	240	315417	40.00 ng	0.00 100.00%
13) CI75 Perylene-d12	15.10	264	360993	40.00 ng	0.00 100.00%
Target Compounds					Qvalue
2) E600 Benzaldehyde	5.74	77	95266	51.28 ng	94
3) E145 Acetophenone	6.74	105	159048	51.11 ng	95
5) E655 Caprolactam	8.23	113	30416	54.84 ng	86
6) E195 1,2,4,5-Tetrachlorobe	8.81	216	99958	50.61 ng	97
8) C811 1,1'-Biphenyl	9.16	154	241428	51.40 ng	94
9) E230 2,3,4,6-Tetrachloroph	10.21	232	47601	55.52 ng	# 100
11) E510 Atrazine	11.14	200	57590	53.71 ng	90

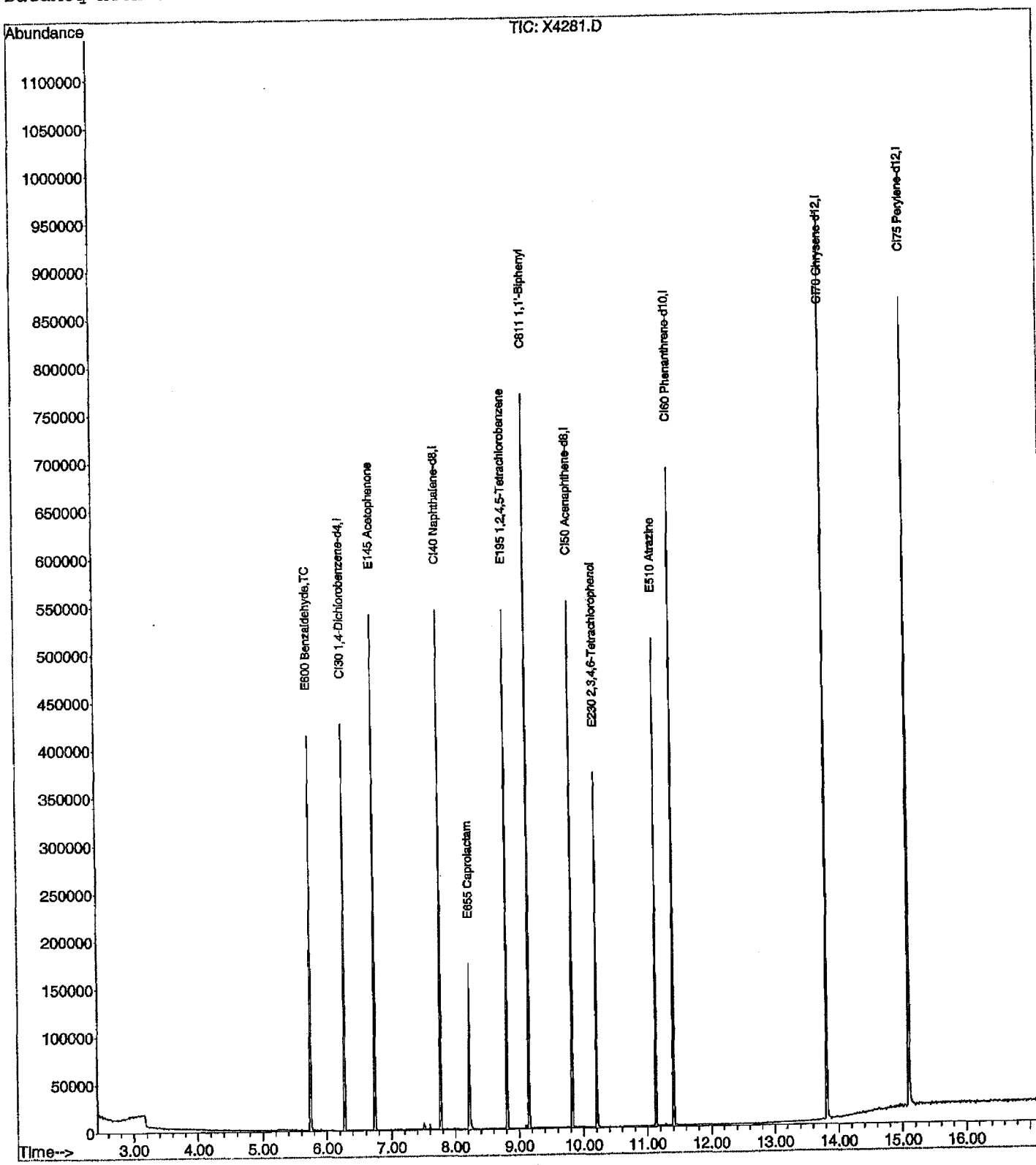
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4281.D
Acq On : 18 Nov 2010 4:42
Sample : T005247-CAL9
Misc : T005253-CCV2
MS Integration Params: rteint.p

Vial: 11
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Nov 18 09:57:22 2010 Results File: TCLADD_...K083.RES
Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:12 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4280.D
Acq On : 18 Nov 2010 4:19
Sample : T005247-CALA
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:57:55 2010

Vial: 10
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4281.D (18 Nov 2010 4:42)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.27	152	64608	40.00 ng	0.00 96.52%
4) CI40 Naphthalene-d8	7.77	136	234629	40.00 ng	0.00 97.08%
7) CI50 Acenaphthene-d8	9.83	164	127432	40.00 ng	0.00 97.91%
10) CI60 Phenanthrene-d10	11.41	188	233040	40.00 ng	0.00 98.90%
12) CI70 Chrysene-d12	13.81	240	310592	40.00 ng	0.00 98.47%
13) CI75 Perylene-d12	15.10	264	351625	40.00 ng	0.00 97.40%
Target Compounds					Qvalue
2) E600 Benzaldehyde	5.74	77	147224	82.11 ng	96
3) E145 Acetophenone	6.74	105	246260	81.98 ng	95
5) E655 Caprolactam	8.23	113	51426	95.51 ng	88
6) E195 1,2,4,5-Tetrachlorobe	8.81	216	151597	79.06 ng	98
8) C811 1,1'-Biphenyl	9.16	154	364642	79.29 ng	94
9) E230 2,3,4,6-Tetrachloroph	10.21	232	77402	92.20 ng	# 100
11) E510 Atrazine	11.14	200	93651	88.31 ng	89

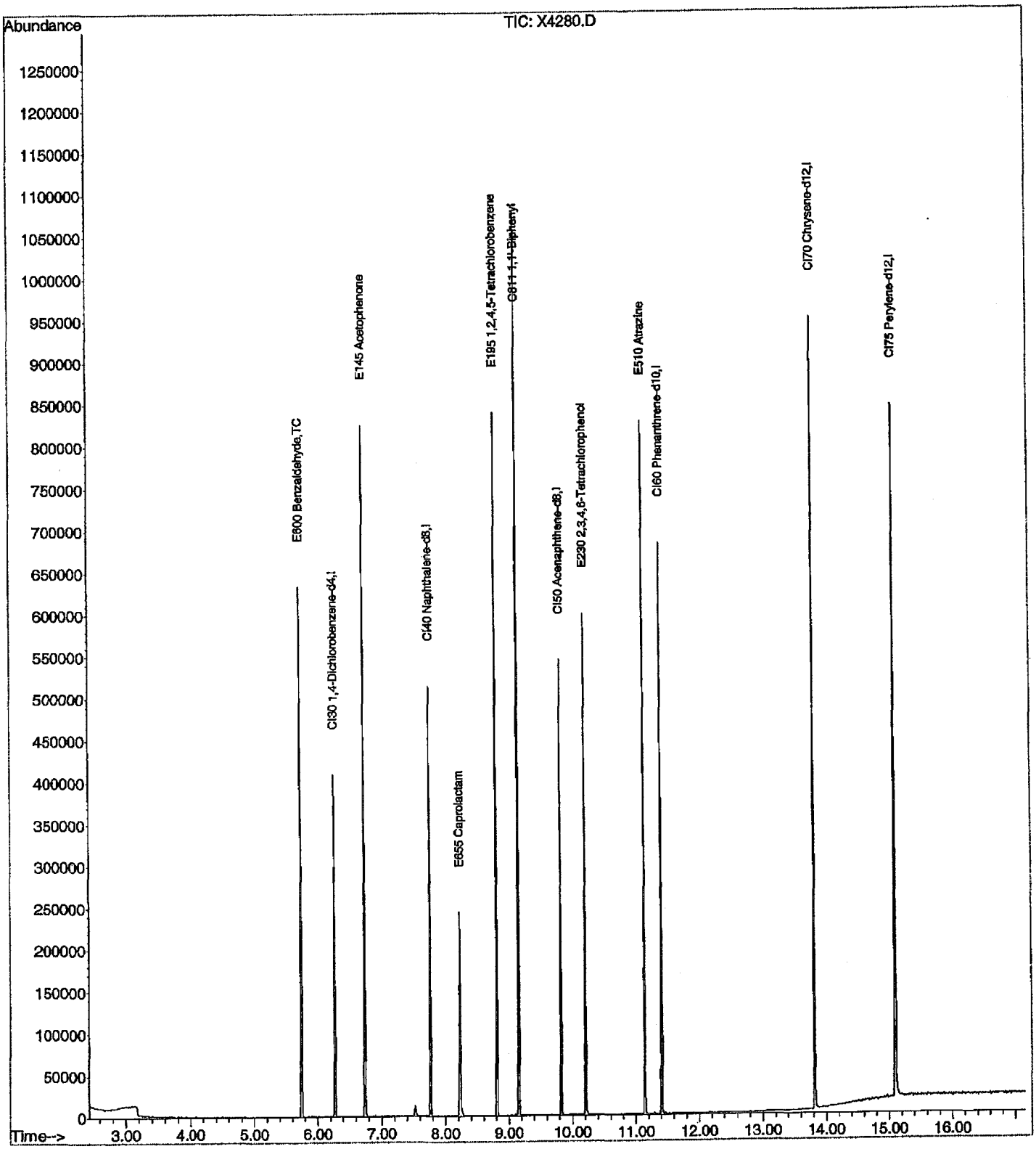
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4280.D
Acq On : 18 Nov 2010 4:19
Sample : T005247-CALA
Misc :
MS Integration Params: rteint.p

Vial: 10
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Nov 18 09:57:55 2010 Results File: TCLADD_...K083.RES
Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4279.D
Acq On : 18 Nov 2010 3:57
Sample : T005247-CALB
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:57:56 2010

Vial: 9
Operator: JLG
Inst : HP5973X
Multiplr: 1.00
Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4281.D (18 Nov 2010 4:42)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.27	152	68051	40.00 ng	0.00 101.66%
4) CI40 Naphthalene-d8	7.77	136	250667	40.00 ng	0.00 103.71%
7) CI50 Acenaphthene-d8	9.83	164	136959	40.00 ng	0.00 105.23%
10) CI60 Phenanthrene-d10	11.41	188	249038	40.00 ng	0.00 105.69%
12) CI70 Chrysene-d12	13.81	240	330866	40.00 ng	0.00 104.90%
13) CI75 Perylene-d12	15.10	264	374227	40.00 ng	0.00 103.67%
Target Compounds					Qvalue
2) E600 Benzaldehyde	5.74	77	222130	117.62 ng	92
3) E145 Acetophenone	6.74	105	373335	118.00 ng	96
5) E655 Caprolactam	8.24	113	84917	147.62 ng	88
6) E195 1,2,4,5-Tetrachlorobe	8.81	216	225543	110.10 ng	98
8) C811 1,1'-Biphenyl	9.16	154	536392	108.52 ng	94
9) E230 2,3,4,6-Tetrachloroph	10.21	232	123577	136.96 ng	# 100
11) E510 Atrazine	11.14	200	145420	128.32 ng	89

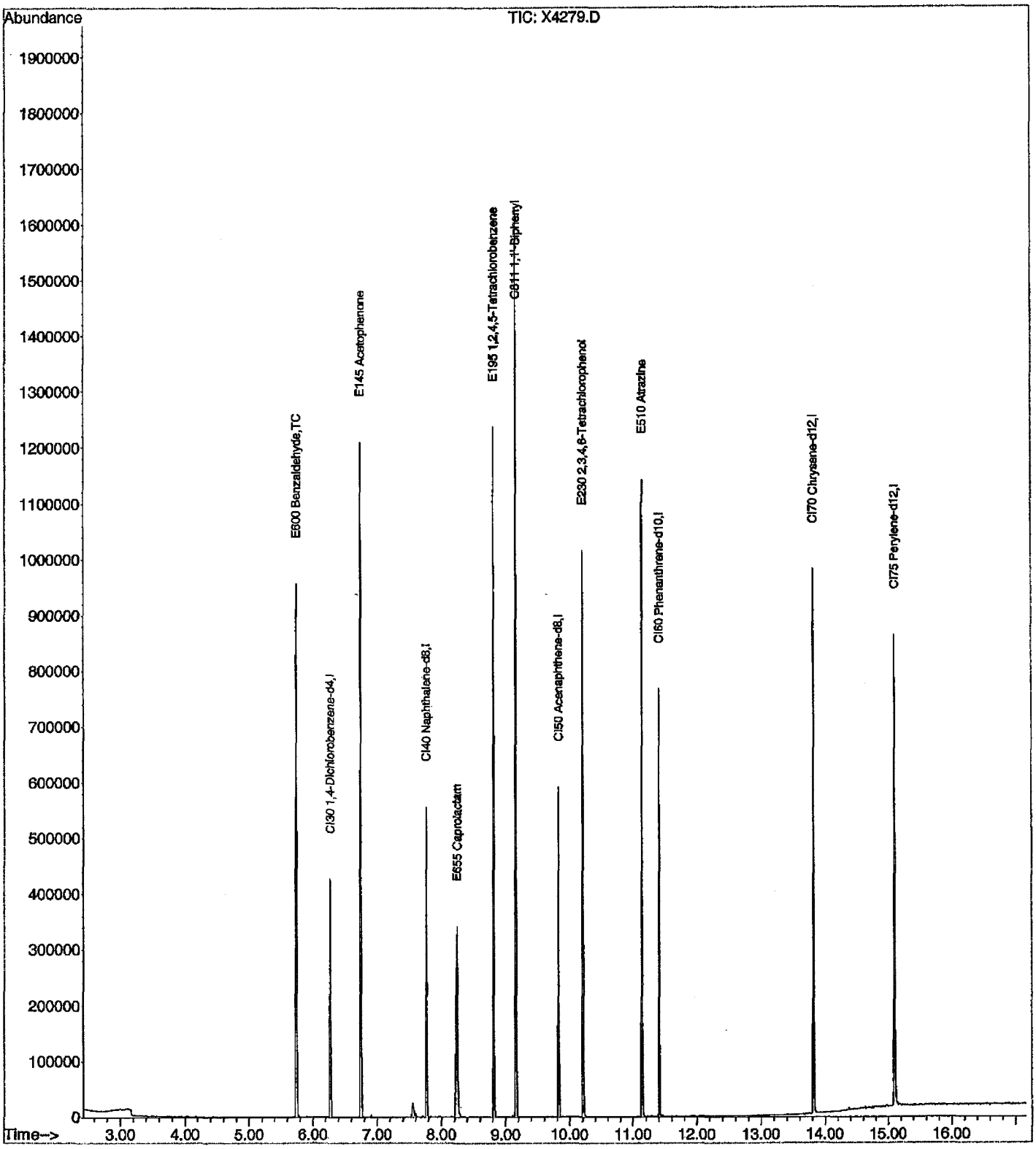
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4279.D
Acq On : 18 Nov 2010 3:57
Sample : T005247-CALB
Misc :
MS Integration Params: rteint.p

Vial: 9
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Nov 18 09:57:56 2010 Results File: TCLADD_...K083.RES
Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4278.D
Acq On : 18 Nov 2010 3:34
Sample : T005247-CALC
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 18 09:57:57 2010

Vial: 8
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\111810\X4281.D (18 Nov 2010 4:42)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.27	152	67255	40.00	ng	0.00 100.48%
4) CI40 Naphthalene-d8	7.77	136	251327	40.00	ng	0.00 103.99%
7) CI50 Acenaphthene-d8	9.83	164	138864	40.00	ng	0.00 106.70%
10) CI60 Phenanthrene-d10	11.41	188	254984	40.00	ng	0.00 108.22%
12) CI70 Chrysene-d12	13.81	240	339637	40.00	ng	0.00 107.68%
13) CI75 Perylene-d12	15.10	264	381832	40.00	ng	0.00 105.77%
Target Compounds						Qvalue
2) E600 Benzaldehyde	5.75	77	292957	156.96	ng	91
3) E145 Acetophenone	6.75	105	487398	155.87	ng	95
5) E655 Caprolactam	8.25	113	115682	200.58	ng	88
6) E195 1,2,4,5-Tetrachlorobe	8.81	216	291138	141.75	ng	98
8) C811 1,1'-Biphenyl	9.16	154	689857	137.66	ng	93
9) E230 2,3,4,6-Tetrachloroph	10.21	232	166977	182.52	ng	# 100
11) E510 Atrazine	11.14	200	199631	172.05	ng	87

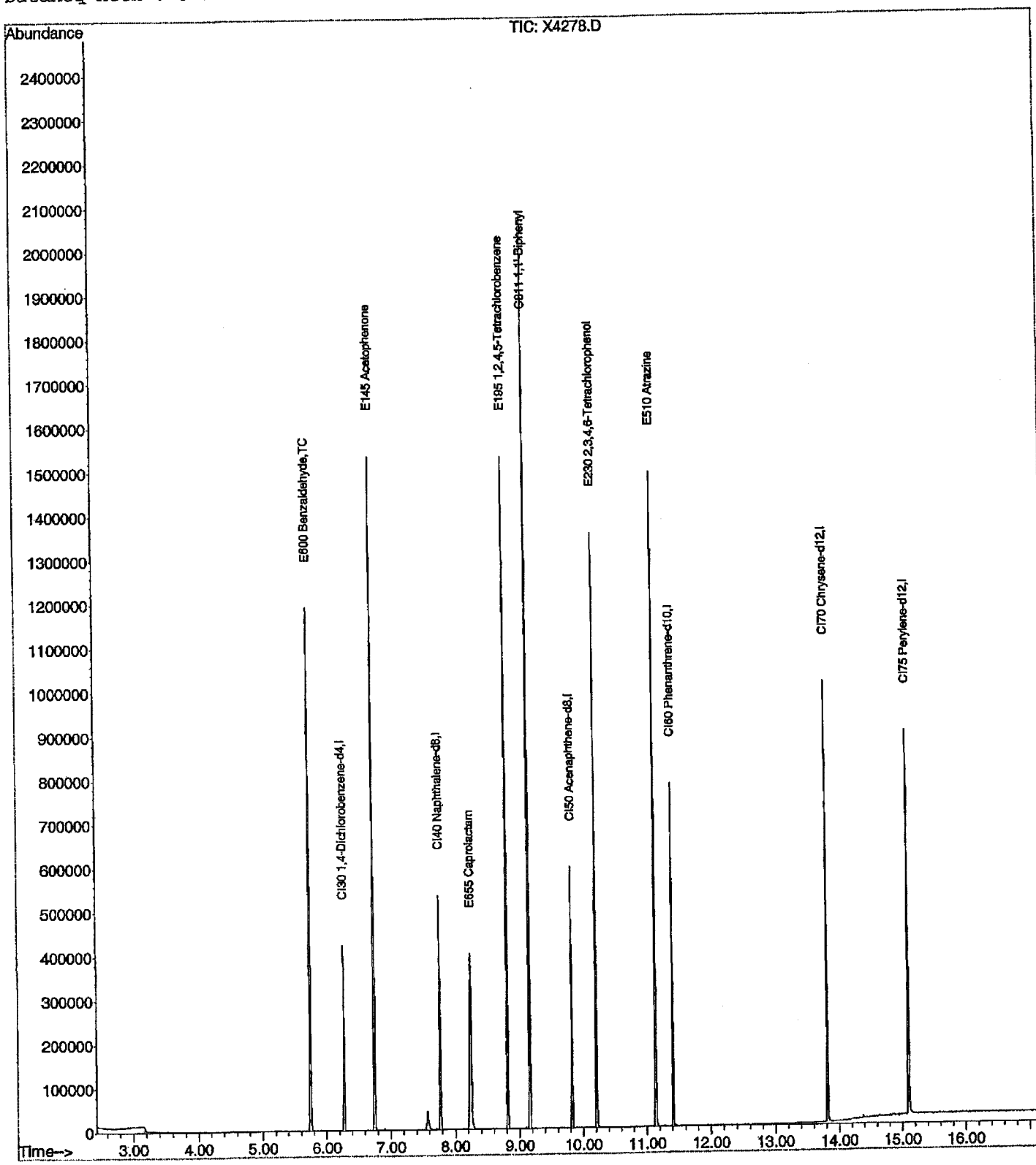
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\111810\X4278.D
Acq On : 18 Nov 2010 3:34
Sample : T005247-CALC
Misc :
MS Integration Params: rteint.p

Vial: 8
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Nov 18 09:57:57 2010 Results File: TCLADD_...K083.RES
Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Nov 18 09:57:34 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5973X	Calibration:	R10K083
Lab File ID:	X5298.D	Calibration Date:	11/18/10 01:17
Sequence:	T005571	Injection Date:	12/07/10
Lab Sample ID:	T005571-CCV1	Injection Time:	20:12

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2,4-Trichlorobenzene	A	50.0	46.6	0.3533787	0.3291624		-6.9	25
1,2-Dichlorobenzene	A	50.0	49.2	1.537192	1.510981		-1.7	25
1,2-Diphenylhydrazine	A	50.0	52.8	1.254443	1.3245		5.6	100
1,3-Dichlorobenzene	A	50.0	49.1	1.630497	1.602344		-1.7	25
1,4-Dichlorobenzene	A	50.0	48.2	1.654308	1.595864		-3.5	20
2,2'-Oxybis(1-Chloropropane)	A	50.0	59.4	1.554416	1.845379		18.7	25
2,4,5-Trichlorophenol	A	50.0	48.6	0.417668	0.4058513		-2.8	25
2,4,6-Tribromophenol	A	50.0	55.2	0.105428	0.1162945		10.3	25
2,4,6-Trichlorophenol	A	50.0	49.5	0.3788159	0.3750571		-1.0	20
2,4-Dichlorophenol	A	50.0	50.0	0.3039638	0.3036844		-0.09	20
2,4-Dimethylphenol	A	50.0	51.1	0.3776596	0.386297		2.3	25
2,4-Dinitrophenol	L	50.0	39.6	0.1460636	0.1244731	0.05	-20.8	25
2,4-Dinitrotoluene	A	50.0	50.6	0.3821701	0.3869205		1.2	25
2,6-Dinitrotoluene	A	50.0	48.7	0.2901193	0.2823188		-2.7	25
2-Chloronaphthalene	A	50.0	49.3	1.122551	1.106587		-1.4	25
2-Chlorophenol	A	50.0	49.7	1.467431	1.457903		-0.6	25
2-Fluorobiphenyl	A	50.0	50.2	1.268459	1.27457		0.5	25
2-Fluorophenol	A	50.0	50.3	1.549253	1.558831		0.6	25
2-Methylnaphthalene	A	50.0	51.0	0.6512025	0.6635675		1.9	25
2-Methylphenol	A	50.0	50.1	1.322409	1.325436		0.2	25
2-Nitroaniline	A	50.0	54.4	0.3178369	0.3456082		8.7	25
2-Nitrophenol	A	50.0	46.7	0.1939644	0.181179		-6.6	20
3 & 4 Methylphenol	A	50.0	53.4	1.341091	1.43138		6.7	25
3,3'-Dichlorobenzidine	L	50.0	44.8	0.4087868	0.391601		-10.5	25
3,3'-Dimethylbenzidine	A	50.0	0.00	0.7374322				100
3-Nitroaniline	A	50.0	49.5	0.3153564	0.3122893		-1.0	25
4,6-Dinitro-2-methylphenol	L	50.0	44.9	0.1312792	0.1267058		-10.2	25
4-Bromophenyl phenyl ether	A	50.0	50.5	0.2260751	0.2284183		1.0	25
4-Chloro-3-methylphenol	A	50.0	53.5	0.3150455	0.337345		7.1	20

Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5973X	Calibration:	R10K083
Lab File ID:	X5298.D	Calibration Date:	11/18/10 01:17
Sequence:	T005571	Injection Date:	12/07/10
Lab Sample ID:	T005571-CCV1	Injection Time:	20:12

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	A	50.0	50.1	0.4336201	0.4348008		0.3	25
4-Chlorophenyl phenyl ether	L	50.0	53.0	0.6346443	0.6302276		6.1	25
4-Methylphenol	A	50.0	53.4	1.341091	1.43138		6.7	25
4-Nitroaniline	A	50.0	49.7	0.3281468	0.3261852		-0.6	25
4-Nitrophenol	L	50.0	46.5	0.1779114	0.1734962	0.05	-6.9	25
Acenaphthene	A	50.0	48.3	1.046662	1.011816		-3.3	20
Acenaphthylene	A	50.0	50.8	1.642259	1.668392		1.6	25
Aniline	A	50.0	50.5	2.290256	2.312116		1.0	100
Anthracene	A	50.0	52.4	1.026589	1.076735		4.9	25
Benzidine	L	50.0	46.5	0.3974837	0.3971213		-6.9	100
Benzo(a)anthracene	A	50.0	53.4	0.985063	1.051062		6.7	25
Benzo(a)pyrene	A	50.0	50.7	0.8530547	0.8648097		1.4	20
Benzo(b)fluoranthene	A	50.0	52.6	1.002098	1.054989		5.3	25
Benzo(ghi)perylene	A	50.0	53.6	0.9632369	1.032008		7.1	25
Benzo(k)fluoranthene	A	50.0	50.9	1.0078	1.025342		1.7	25
Benzoic acid	A	150	130	0.2255147	0.1953964		-13.4	25
Benzyl alcohol	A	50.0	49.9	0.9583049	0.9569436		-0.1	100
Bis(2-chloroethoxy)methane	A	50.0	50.9	0.4471237	0.4548839		1.7	25
Bis(2-chloroethyl)ether	A	50.0	49.8	1.600985	1.596246		-0.3	25
Bis(2-ethylhexyl) phthalate	A	50.0	59.5	0.5182179	0.616287		18.9	25
Butyl benzyl phthalate	A	50.0	57.2	0.3916568	0.4477173		14.3	25
Carbazole	A	50.0	53.8	0.9475967	1.020479		7.7	25
Chrysene	A	50.0	49.8	1.040269	1.036987		-0.3	25
Dibenzo(a,h)anthracene	A	50.0	53.5	0.9370515	1.002584		7.0	25
Dibenzofuran	A	50.0	50.7	1.554286	1.576288		1.4	25
Diethyl phthalate	A	50.0	50.4	1.175362	1.18558		0.9	25
Dimethyl phthalate	A	50.0	48.4	1.320393	1.276808		-3.3	25
Di-n-butyl phthalate	A	50.0	54.9	1.047706	1.151154		9.9	25
Di-n-octyl phthalate	L	50.0	48.8	0.9755666	1.053611		-2.5	20

Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5973X	Calibration:	R10K083
Lab File ID:	X5298.D	Calibration Date:	11/18/10 01:17
Sequence:	T005571	Injection Date:	12/07/10
Lab Sample ID:	T005571-CCV1	Injection Time:	20:12

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Fluoranthene	A	50.0	50.8	1.20879	1.228374		1.6	20
Fluorene	A	50.0	53.0	1.152369	1.220298		5.9	25
Hexachlorobenzene	A	50.0	50.6	0.2433087	0.2464842		1.3	25
Hexachlorobutadiene	A	50.0	46.4	0.2098934	0.1950046		-7.1	20
Hexachlorocyclopentadiene	A	50.0	45.3	0.4059594	0.3675803	0.05	-9.5	25
Hexachloroethane	A	50.0	50.7	0.5752751	0.5837107		1.5	25
Indeno(1,2,3-cd)pyrene	A	50.0	52.3	1.124031	1.175344		4.6	25
Isophorone	A	50.0	50.7	0.7559897	0.7668834		1.4	25
Naphthalene	A	50.0	49.9	1.015581	1.013735		-0.2	25
Nitrobenzene	A	50.0	51.2	0.4225064	0.4322133		2.3	25
Nitrobenzene-d5	A	50.0	52.7	0.4005283	0.4223282		5.4	25
N-Nitrosodimethylamine	A	50.0	49.4	1.233272	1.217477		-1.3	100
N-Nitrosodi-n-propylamine	A	50.0	56.2	1.023487	1.149902	0.05	12.4	25
N-Nitrosodiphenylamine	A	50.0	54.1	0.476883	0.5155989		8.1	20
Pentachlorophenol	L	50.0	44.4	0.1561879	0.145933		-11.2	20
Phenanthrene	A	50.0	50.9	1.038288	1.057709		1.9	25
Phenol	A	50.0	53.0	2.055221	2.179204		6.0	20
Phenol-d5	A	50.0	52.4	1.867821	1.955904		4.7	25
p-Terphenyl-d14	A	50.0	53.7	0.7210027	0.7745576		7.4	25
Pyrene	A	50.0	52.9	0.9792265	1.036257		5.8	25
Pyridine	A	50.0	49.6	2.060969	2.04347		-0.8	100
Tetraethyl-Lead	A	50.0	47.8	0.4920168	0.4843523		-1.6	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:

A: Average RF
L: Linear through Intercept
Q: Quadratic
L0: Linear forced through Zero
L1: 1/x Weighted Linear through Intercept
L2: 1/x2 Weighted Linear through Intercept
L01: 1/x Weighted Linear forced through Zero
L02: 1/x2 Weighted Linear forced through Zero

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5298.D Vial: 2
Acq On : 7 Dec 2010 20:12 Operator: JLG
Sample : T005571-CCV1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 07 20:33:38 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Tue Dec 07 18:35:38 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5273.D (7 Dec 2010 10:48)

DW 12/07/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	75436	40.00	ng	0.00 78.53%
21) CI40 Naphthalene-d8	7.54	136	283821	40.00	ng	0.00 81.14%
37) CI50 Acenaphthene-d10	9.60	164	164135	40.00	ng	0.00 81.39%
58) CI60 Phenanthrene-d10	11.20	188	278314	40.00	ng	0.00 81.65%
70) CI70 Chrysene-d12	13.60	240	340849	40.00	ng	0.00 82.99%
80) CI75 Perylene-d12	14.81	264	402421	40.00	ng	0.00 80.08%
System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.34	112	146990	50.31	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 33.54%			
6) CS45 Phenol-d5	5.58	99	184432	52.36	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 34.91%			
7) CS70 2-chlorophenol-d4	5.73	132	134428	50.51	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 33.67%			
13) CS75 1,2-dichlorobenzene-d	6.20	152	86952	49.45	ng	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 49.45%			
22) CS20 Nitrobenzene-d5	6.68	82	149832	52.72	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 52.72%			
41) CS25 2-Fluorobiphenyl	8.82	172	261502	50.24	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 50.24%			
61) CS55 2,4,6-Tribromophenol	10.49	330	40458	55.15	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 36.77%			
73) CS30 Terphenyl-d14	12.68	244	330009	53.71	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 53.71%			
Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	2.40	74	114802	49.36	ng	87
3) E100 Pyridine	2.47	79	192689	49.58	ng	# 80
5) C325 bis(2-Chloroethyl)eth	5.68	93	150518	49.85	ng	# 69
8) C315 Phenol	5.59	94	205488	53.02	ng	78
9) C330 2-Chlorophenol	5.75	128	137473	49.68	ng	91
10) C320 aniline	5.60	93	218021	50.48	ng	# 59
11) C335 1,3-Dichlorobenzene	5.94	146	151093	49.14	ng	98
12) C340 1,4-Dichlorobenzene	6.03	146	150482	48.23	ng	98
14) C350 1,2-Dichlorobenzene	6.22	146	142478	49.15	ng	98
15) C345 Benzyl alcohol	6.19	108	90235	49.93	ng	87
16) C360 bis(2-chloroisopropyl	6.36	45	174010	59.36	ng	68
17) C355 2-Methylphenol	6.34	108	124982	50.11	ng	99
18) C375 Hexachloroethane	6.63	117	55041	50.73	ng	81
19) C370 N-Nitroso-di-n-propyl	6.52	70	108430	56.18	ng	# 60
20) C365 4-Methylphenol	6.53	108	134972	53.37	ng	96
23) C410 Nitrobenzene	6.70	77	153339	51.15	ng	90
24) C415 Isophorone	7.00	82	272072	50.72	ng	90
25) C011 Tetraethyl Lead	7.22	237	45672	47.81	ng	# 81
26) C430 benzoic acid	7.35	122	207966	129.97	ng	# 69
27) C420 2-Nitrophenol	7.09	139	64278	46.70	ng	91
28) C425 2,4-Dimethylphenol	7.16	107	137049	51.14	ng	98
29) C435 bis(2-Chloroethoxy)me	7.27	93	161382	50.87	ng	95
30) C440 2,4-Dichlorophenol	7.38	162	107740	49.95	ng	96

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5298.D Vial: 2
Acq On : 7 Dec 2010 20:12 Operator: JLG
Sample : T005571-CCV1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 07 20:33:38 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Tue Dec 07 18:35:38 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5273.D (7 Dec 2010 10:48)

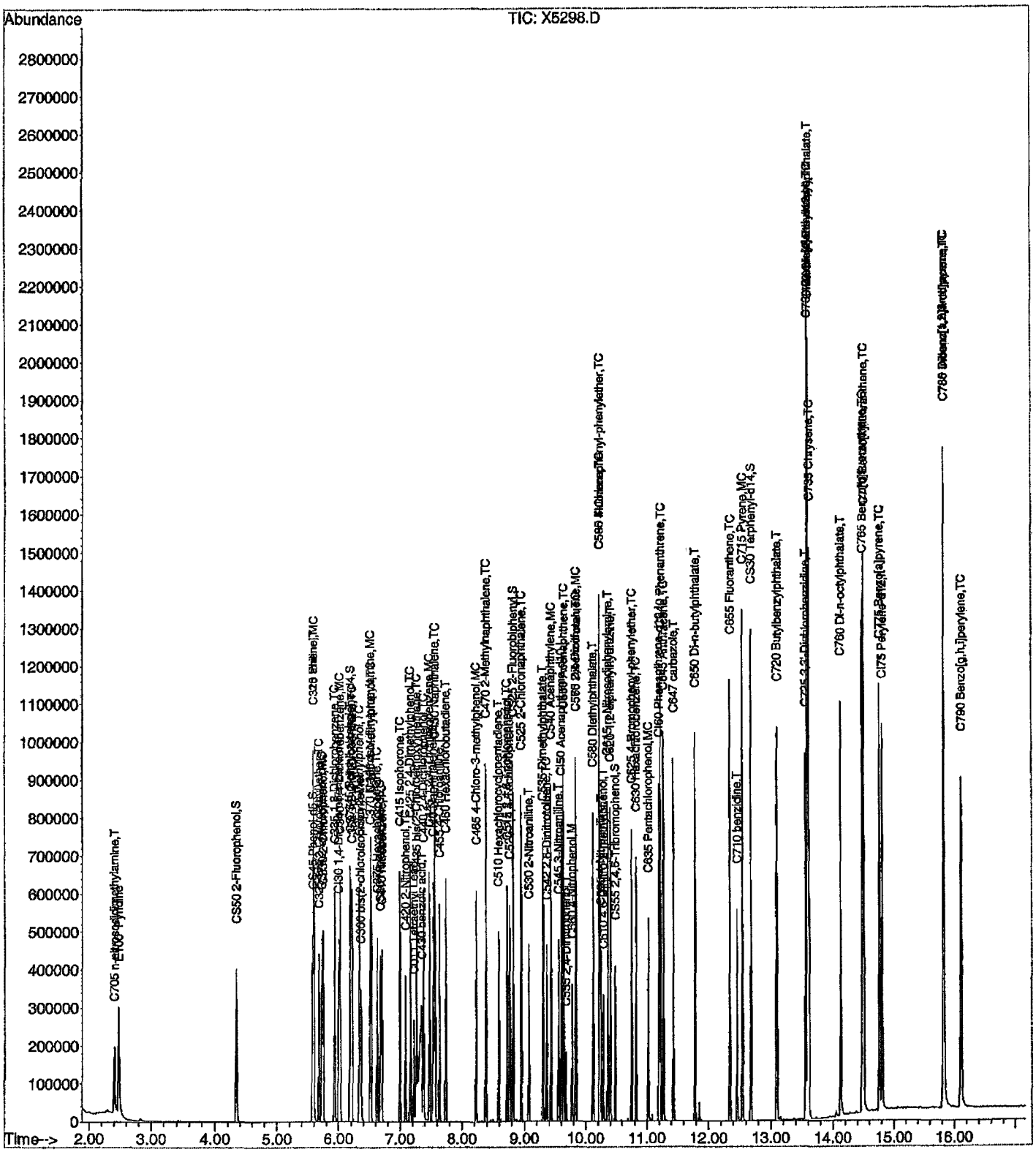
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
31) C445 1,2,4-Trichlorobenzen	7.48	180	116779	46.57	ng		94
32) C450 Naphthalene	7.56	128	359649	49.91	ng		99
33) C455 4-Chloroaniline	7.64	127	154257	50.14	ng		98
34) C460 Hexachlorobutadiene	7.74	225	69183	46.45	ng		97
35) C465 4-Chloro-3-methylphen	8.23	107	119682	53.54	ng		100
36) C470 2-Methylnaphthalene	8.39	142	235418	50.95	ng		98
38) C510 Hexachlorocyclopentad	8.59	237	75416	45.27	ng		93
39) C515 2,4,6-Trichlorophenol	8.73	196	76950	49.50	ng		99
40) C520 2,4,5-Trichlorophenol	8.77	196	83268	48.59	ng		99
42) C525 2-Chloronaphthalene	8.95	162	227037	49.29	ng		98
43) C530 2-Nitroaniline	9.08	65	70908	54.37	ng		83
44) C540 Acenaphthylene	9.43	152	342302	50.80	ng		96
45) C535 Dimethylphthalate	9.31	163	261961	48.35	ng		99
46) C542 2,6-Dinitrotoluene	9.36	165	57923	48.66	ng		90
47) C550 Acenaphthene	9.64	153	207593	48.34	ng		97
48) C545 3-Nitroaniline	9.56	138	64072	49.51	ng		94
49) C555 2,4-Dinitrophenol	9.68	184	25538	39.58	ng		93
50) C565 Dibenzofuran	9.84	168	323405	50.71	ng		93
51) C570 2,4-Dinitrotoluene	9.83	165	79384	50.62	ng		80
52) C560 4-Nitrophenol	9.78	109	35596	46.53	ng	#	89
53) C590 Fluorene	10.22	166	250367	52.95	ng		97
54) C585 4-Chlorophenyl-phenyl	10.24	204	129303	53.05	ng		98
55) C580 Diethylphthalate	10.12	149	243244	50.43	ng		96
56) C620 1,2-diphenylhydrazine	10.41	77	271746	52.79	ng		82
57) C595 4-Nitroaniline	10.25	138	66923	49.70	ng		97
59) C610 4,6-Dinitro-2-methylp	10.29	198	44080	44.92	ng	#	76
60) C615 n-Nitrosodiphenylamin	10.36	169	179373	54.06	ng		95
62) C625 4-Bromophenyl-phenyle	10.75	248	79465	50.52	ng		90
63) C630 Hexachlorobenzene	10.83	284	85750	50.65	ng		94
64) C635 Pentachlorophenol	11.03	266	50769	44.39	ng		99
65) C640 Phenanthrene	11.22	178	367969	50.94	ng		100
66) C645 Anthracene	11.28	178	374588	52.44	ng		99
67) C647 carbazole	11.44	167	355017	53.85	ng		93
68) C650 Di-n-butylphthalate	11.78	149	400478	54.94	ng		100
69) C655 Fluoranthene	12.35	202	427342	50.81	ng		88
71) C715 Pyrene	12.54	202	441509	52.91	ng		92
72) C710 benzidine	12.46	184	169198	46.53	ng		99
74) C720 Butylbenzylphthalate	13.10	149	190755	57.16	ng		93
75) C725 3,3'-Dichlorobenzidin	13.56	252	166846	44.77	ng		98
76) C730 Benzo[a]anthracene	13.58	228	447817	53.35	ng		98
77) C735 Chrysene	13.62	228	441820	49.84	ng		99
78) C740 bis(2-Ethylhexyl)phth	13.60	149	262576	59.46	ng		95
79) C760 Di-n-octylphthalate	14.12	149	448903	48.77	ng		99
81) C765 Benzo[b]fluoranthene	14.48	252	530687	52.64	ng		98
82) C770 Benzo[k]fluoranthene	14.50	252	515774	50.87	ng		98
83) C775 Benzo[a]pyrene	14.76	252	435022	50.69	ng		96
84) C780 Indeno[1,2,3-cd]pyren	15.83	276	591229	52.28	ng		100
85) C785 Dibenz[a,h]anthracene	15.83	278	504326	53.50	ng		96
86) C790 Benzo[g,h,i]perylene	16.12	276	519127	53.57	ng		98

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5298.D Vial: 2
Acq On : 7 Dec 2010 20:12 Operator: JLG
Sample : T005571-CCV1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Dec 07 20:33:38 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Tue Dec 07 18:35:38 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5299.D Vial: 3
Acq On : 7 Dec 2010 20:35 Operator: JLG
Sample : T005571-CCV2 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 07 21:49:57 2010 Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Tue Dec 07 18:38:55 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5274.D (7 Dec 2010 11:11)

(CH) DLB 12/09/10

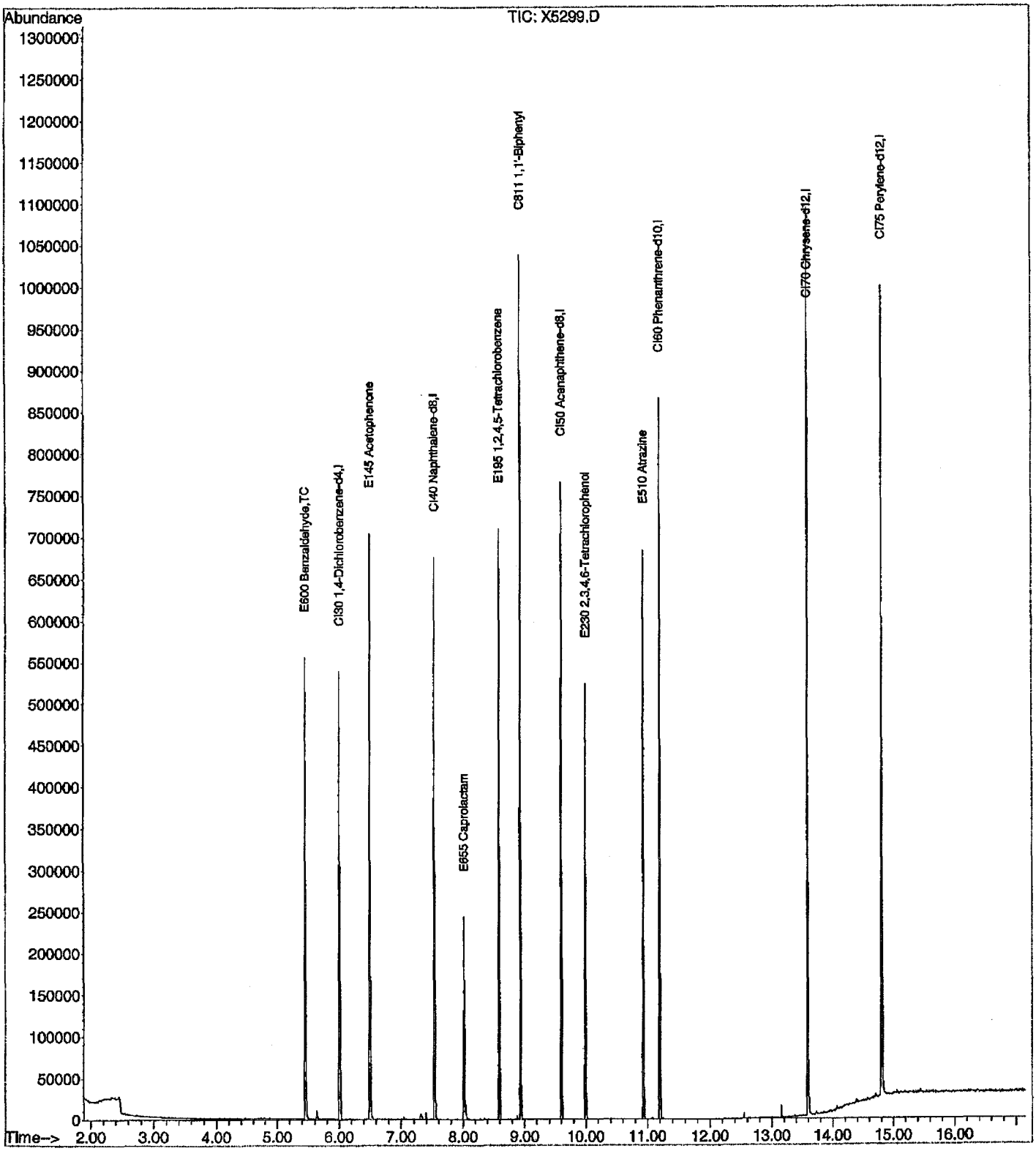
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.01	152	87543	40.00	ng		0.00 84.12%
4) CI40 Naphthalene-d8	7.54	136	304138	40.00	ng		0.00 83.73%
7) CI50 Acenaphthene-d8	9.60	164	163110	40.00	ng		0.00 81.77%
10) CI60 Phenanthrene-d10	11.20	188	276200	40.00	ng		0.00 81.98%
12) CI70 Chrysene-d12	13.59	240	339717	40.00	ng		0.00 78.28%
13) CI75 Perylene-d12	14.81	264	369168	40.00	ng		0.00 75.64%
Target Compounds							Qvalue
2) E600 Benzaldehyde	5.45	77	127596	52.52	ng		97
3) E145 Acetophenone	6.50	105	199881	49.11	ng		97
5) E655 Caprolactam	8.02	113	38437	48.33	ng	#	82
6) E195 1,2,4,5-Tetrachlorobe	8.59	216	116818	47.00	ng		99
8) C811 1,1'-Biphenyl	8.94	154	291171	49.47	ng		93
9) E230 2,3,4,6-Tetrachloroph	9.99	232	58316	49.17	ng	#	100
11) E510 Atrazine	10.93	200	68749	54.70	ng		89

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5299.D Vial: 3
Acq On : 7 Dec 2010 20:35 Operator: JLG
Sample : T005571-CCV2 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Dec 07 21:49:57 2010 Results File: TCLADD_...K083.RES
Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Tue Dec 07 18:38:55 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5973X	Calibration:	R10K083
Lab File ID:	X5326.D	Calibration Date:	11/18/10 01:17
Sequence:	T005575	Injection Date:	12/08/10
Lab Sample ID:	T005575-CCV1	Injection Time:	08:52

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2,4-Trichlorobenzene	A	50.0	47.2	0.3533787	0.3337501		-5.6	25
1,2-Dichlorobenzene	A	50.0	48.7	1.537192	1.496984		-2.6	25
1,2-Diphenylhydrazine	A	50.0	49.7	1.254443	1.246046		-0.7	100
1,3-Dichlorobenzene	A	50.0	48.6	1.630497	1.586553		-2.7	25
1,4-Dichlorobenzene	A	50.0	48.9	1.654308	1.619137		-2.1	20
2,2'-Oxybis(1-Chloropropane)	A	50.0	53.4	1.554416	1.65887		6.7	25
2,4,5-Trichlorophenol	A	50.0	50.1	0.417668	0.4184823		0.2	25
2,4,6-Tribromophenol	A	50.0	60.0	0.105428	0.1266148		20.1	25
2,4,6-Trichlorophenol	A	50.0	50.3	0.3788159	0.3813731		0.7	20
2,4-Dichlorophenol	A	50.0	50.2	0.3039638	0.3052588		0.4	20
2,4-Dimethylphenol	A	50.0	51.8	0.3776596	0.391449		3.7	25
2,4-Dinitrophenol	L	50.0	44.6	0.1460636	0.1458034	0.05	-10.7	25
2,4-Dinitrotoluene	A	50.0	52.3	0.3821701	0.3996522		4.6	25
2,6-Dinitrotoluene	A	50.0	51.2	0.2901193	0.2968389		2.3	25
2-Chloronaphthalene	A	50.0	49.9	1.122551	1.120159		-0.2	25
2-Chlorophenol	A	50.0	49.7	1.467431	1.459648		-0.5	25
2-Fluorobiphenyl	A	50.0	50.0	1.268459	1.26842		-0.003	25
2-Fluorophenol	A	50.0	51.6	1.549253	1.598114		3.2	25
2-Methylnaphthalene	A	50.0	51.0	0.6512025	0.6636463		1.9	25
2-Methylphenol	A	50.0	49.9	1.322409	1.318612		-0.3	25
2-Nitroaniline	A	50.0	53.3	0.3178369	0.3389536		6.6	25
2-Nitrophenol	A	50.0	51.2	0.1939644	0.1986024		2.4	20
3 & 4 Methylphenol	A	50.0	51.6	1.341091	1.383815		3.2	25
3,3'-Dichlorobenzidine	L	50.0	48.6	0.4087868	0.4252727		-2.7	25
3,3'-Dimethylbenzidine	A	50.0	0.00	0.7374322				100
3-Nitroaniline	A	50.0	51.3	0.3153564	0.3238043		2.7	25
4,6-Dinitro-2-methylphenol	L	50.0	50.3	0.1312792	0.1439272		0.5	25
4-Bromophenyl phenyl ether	A	50.0	52.1	0.2260751	0.2355639		4.2	25
4-Chloro-3-methylphenol	A	50.0	54.1	0.3150455	0.3408321		8.2	20

Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5973X	Calibration:	R10K083
Lab File ID:	X5326.D	Calibration Date:	11/18/10 01:17
Sequence:	T005575	Injection Date:	12/08/10
Lab Sample ID:	T005575-CCV1	Injection Time:	08:52

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	A	50.0	50.8	0.4336201	0.4405402		1.6	25
4-Chlorophenyl phenyl ether	L	50.0	52.8	0.6346443	0.6281924		5.7	25
4-Methylphenol	A	50.0	51.6	1.341091	1.383815		3.2	25
4-Nitroaniline	A	50.0	51.9	0.3281468	0.3405517		3.8	25
4-Nitrophenol	L	50.0	47.3	0.1779114	0.1766685	0.05	-5.4	25
Acenaphthene	A	50.0	48.8	1.046662	1.022398		-2.3	20
Acenaphthylene	A	50.0	51.8	1.642259	1.702016		3.6	25
Aniline	A	50.0	49.0	2.290256	2.24205		-2.1	100
Anthracene	A	50.0	52.4	1.026589	1.07505		4.7	25
Benzidine	L	50.0	50.5	0.3974837	0.4356413		0.9	100
Benzo(a)anthracene	A	50.0	53.7	0.985063	1.05778		7.4	25
Benzo(a)pyrene	A	50.0	52.7	0.8530547	0.8986575		5.3	20
Benzo(b)fluoranthene	A	50.0	51.6	1.002098	1.033531		3.1	25
Benzo(ghi)perylene	A	50.0	53.6	0.9632369	1.033142		7.3	25
Benzo(k)fluoranthene	A	50.0	51.2	1.0078	1.031302		2.3	25
Benzoic acid	A	150	144	0.2255147	0.2157483		-4.3	25
Benzyl alcohol	A	50.0	50.9	0.9583049	0.9763953		1.9	100
Bis(2-chloroethoxy)methane	A	50.0	49.2	0.4471237	0.4394929		-1.7	25
Bis(2-chloroethyl)ether	A	50.0	49.4	1.600985	1.580797		-1.3	25
Bis(2-ethylhexyl) phthalate	A	50.0	62.2	0.5182179	0.6442185		24.3	25
Butyl benzyl phthalate	A	50.0	59.7	0.3916568	0.4674347		19.3	25
Carbazole	A	50.0	54.1	0.9475967	1.024882		8.2	25
Chrysene	A	50.0	49.6	1.040269	1.032172		-0.8	25
Dibenzo(a,h)anthracene	A	50.0	53.2	0.9370515	0.9971312		6.4	25
Dibenzofuran	A	50.0	50.3	1.554286	1.562785		0.5	25
Diethyl phthalate	A	50.0	50.7	1.175362	1.191001		1.3	25
Dimethyl phthalate	A	50.0	48.7	1.320393	1.285292		-2.7	25
Di-n-butyl phthalate	A	50.0	57.4	1.047706	1.20278		14.8	25
Di-n-octyl phthalate	L	50.0	55.4	0.9755666	1.201056		10.9	20

Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5973X	Calibration:	R10K083
Lab File ID:	X5326.D	Calibration Date:	11/18/10 01:17
Sequence:	T005575	Injection Date:	12/08/10
Lab Sample ID:	T005575-CCV1	Injection Time:	08:52

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Fluoranthene	A	50.0	51.4	1.20879	1.242117		2.8	20
Fluorene	A	50.0	52.6	1.152369	1.211183		5.1	25
Hexachlorobenzene	A	50.0	51.1	0.2433087	0.2485988		2.2	25
Hexachlorobutadiene	A	50.0	48.1	0.2098934	0.2018895		-3.8	20
Hexachlorocyclopentadiene	A	50.0	48.3	0.4059594	0.3923296	0.05	-3.4	25
Hexachloroethane	A	50.0	50.8	0.5752751	0.5839465		1.5	25
Indeno(1,2,3-cd)pyrene	A	50.0	52.6	1.124031	1.183061		5.3	25
Isophorone	A	50.0	51.0	0.7559897	0.7704773		1.9	25
Naphthalene	A	50.0	49.8	1.015581	1.010951		-0.5	25
Nitrobenzene	A	50.0	50.6	0.4225064	0.4273329		1.1	25
Nitrobenzene-d5	A	50.0	53.6	0.4005283	0.4297336		7.3	25
N-Nitrosodimethylamine	A	50.0	48.0	1.233272	1.183028		-4.1	100
N-Nitrosodi-n-propylamine	A	50.0	54.2	1.023487	1.109723	0.05	8.4	25
N-Nitrosodiphenylamine	A	50.0	53.9	0.476883	0.5138845		7.8	20
Pentachlorophenol	L	50.0	50.4	0.1561879	0.1662819		0.8	20
Phenanthrene	A	50.0	50.4	1.038288	1.047364		0.9	25
Phenol	A	50.0	51.4	2.055221	2.111778		2.8	20
Phenol-d5	A	50.0	51.8	1.867821	1.933875		3.5	25
p-Terphenyl-d14	A	50.0	54.7	0.7210027	0.7887807		9.4	25
Pyrene	A	50.0	53.2	0.9792265	1.042871		6.5	25
Pyridine	A	50.0	48.4	2.060969	1.993371		-3.3	100
Tetraethyl-Lead	A	50.0	49.4	0.4920168	0.4833186		-1.8	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:

A: Average RF
L: Linear through Intercept
Q: Quadratic
L0: Linear forced through Zero
L1: 1/x Weighted Linear through Intercept
L2: 1/x2 Weighted Linear through Intercept
L01: 1/x Weighted Linear forced through Zero
L02: 1/x2 Weighted Linear forced through Zero

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5326.D Vial: 2
Acq On : 8 Dec 2010 8:52 Operator: MKP
Sample : T005575-CCV1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:45:53 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	97150	40.00	ng	0.02 129.24%
21) CI40 Naphthalene-d8	7.53	136	352894	40.00	ng	0.01 128.00%
37) CI50 Acenaphthene-d10	9.59	164	204736	40.00	ng	0.02 126.37%
58) CI60 Phenanthrene-d10	11.19	188	344124	40.00	ng	0.02 122.26%
70) CI70 Chrysene-d12	13.58	240	416640	40.00	ng	0.02 118.62%
80) CI75 Perylene-d12	14.80	264	500422	40.00	ng	0.02 118.63%
System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.32	112	194071	51.58	ng	0.02
Spiked Amount 150.000	Range 0 - 110		Recovery = 34.39%			
6) CS45 Phenol-d5	5.56	99	234845	51.77	ng	0.02
Spiked Amount 150.000	Range 0 - 110		Recovery = 34.51%			
7) CS70 2-chlorophenol-d4	5.72	132	177659	51.83	ng	0.02
Spiked Amount 150.000	Range 0 - 110		Recovery = 34.55%			
13) CS75 1,2-dichlorobenzene-d	6.19	152	111424	49.21	ng	0.02
Spiked Amount 100.000	Range 0 - 110		Recovery = 49.21%			
22) CS20 Nitrobenzene-d5	6.67	82	189563	53.65	ng	0.02
Spiked Amount 100.000	Range 0 - 114		Recovery = 53.65%			
41) CS25 2-Fluorobiphenyl	8.81	172	324614	50.00	ng	0.01
Spiked Amount 100.000	Range 0 - 116		Recovery = 50.00%			
61) CS55 2,4,6-Tribromophenol	10.48	330	54464	60.05	ng	0.02
Spiked Amount 150.000	Range 0 - 123		Recovery = 40.03%			
73) CS30 Terphenyl-d14	12.68	244	410797	54.70	ng	0.02
Spiked Amount 100.000	Range 0 - 141		Recovery = 54.70%			
Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	2.37	74	143664	47.96	ng	84
3) E100 Pyridine	2.44	79	242070	48.36	ng	# 78
5) C325 bis(2-Chloroethyl)eth	5.67	93	191968	49.37	ng	# 66
8) C315 Phenol	5.58	94	256449	51.38	ng	82
9) C330 2-Chlorophenol	5.74	128	177256	49.73	ng	92
10) C320 aniline	5.58	93	272269	48.95	ng	# 60
11) C335 1,3-Dichlorobenzene	5.92	146	192667	48.65	ng	99
12) C340 1,4-Dichlorobenzene	6.01	146	196624	48.94	ng	98
14) C350 1,2-Dichlorobenzene	6.20	146	181790	48.69	ng	98
15) C345 Benzyl alcohol	6.17	108	118571	50.94	ng	89
16) C360 bis(2-chloroisopropyl	6.35	45	201449	53.36	ng	71
17) C355 2-Methylphenol	6.32	108	160129	49.86	ng	99
18) C375 Hexachloroethane	6.61	117	70913	50.75	ng	87
19) C370 N-Nitroso-di-n-propyl	6.50	70	134762	54.21	ng	# 61
20) C365 4-Methylphenol	6.52	108	168047	51.59	ng	93
23) C410 Nitrobenzene	6.69	77	188504	50.57	ng	90
24) C415 Isophorone	6.99	82	339871	50.96	ng	90
25) C011 Tetraethyl Lead	7.21	237	58693	49.42	ng	# 80
26) C430 benzoic acid	7.34	122	285511	143.50	ng	# 68
27) C420 2-Nitrophenol	7.08	139	87607	51.20	ng	88
28) C425 2,4-Dimethylphenol	7.15	107	172675	51.83	ng	97

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5326.D Vial: 2
Acq On : 8 Dec 2010 8:52 Operator: MKP
Sample : T005575-CCV1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:45:53 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)me	7.26	93	193868	49.15	ng		95
30) C440 2,4-Dichlorophenol	7.37	162	134655	50.21	ng		97
31) C445 1,2,4-Trichlorobenzen	7.47	180	147223	47.22	ng		95
32) C450 Naphthalene	7.55	128	445948	49.77	ng		99
33) C455 4-Chloroaniline	7.63	127	194330	50.80	ng		99
34) C460 Hexachlorobutadiene	7.73	225	89057	48.09	ng		96
35) C465 4-Chloro-3-methylphen	8.22	107	150347	54.09	ng		97
36) C470 2-Methylnaphthalene	8.38	142	292746	50.96	ng		98
38) C510 Hexachlorocyclopentad	8.58	237	100405	48.32	ng		94
39) C515 2,4,6-Trichlorophenol	8.72	196	97601	50.34	ng		99
40) C520 2,4,5-Trichlorophenol	8.76	196	107098	50.10	ng		99
42) C525 2-Chloronaphthalene	8.94	162	286671	49.89	ng		99
43) C530 2-Nitroaniline	9.07	65	86745	53.32	ng	#	74
44) C540 Acenaphthylene	9.42	152	435580	51.82	ng		96
45) C535 Dimethylphthalate	9.29	163	328932	48.67	ng		99
46) C542 2,6-Dinitrotoluene	9.35	165	75967	51.16	ng		91
47) C550 Acenaphthene	9.63	153	261652	48.84	ng		96
48) C545 3-Nitroaniline	9.55	138	82868	51.34	ng		94
49) C555 2,4-Dinitrophenol	9.67	184	37314	44.65	ng		93
50) C565 Dibenzofuran	9.83	168	399948	50.27	ng		97
51) C570 2,4-Dinitrotoluene	9.82	165	102279	52.29	ng		88
52) C560 4-Nitrophenol	9.76	109	45213	47.32	ng	#	86
53) C590 Fluorene	10.22	166	309966	52.55	ng		96
54) C585 4-Chlorophenyl-phenyl	10.22	204	160767	52.85	ng		97
55) C580 Diethylphthalate	10.11	149	304801	50.67	ng		97
56) C620 1,2-diphenylhydrazine	10.40	77	318888	49.67	ng		79
57) C595 4-Nitroaniline	10.24	138	87154	51.89	ng		99
59) C610 4,6-Dinitro-2-methylp	10.28	198	61911	50.27	ng	#	65
60) C615 n-Nitrosodiphenylamin	10.35	169	221050	53.88	ng		94
62) C625 4-Bromophenyl-phenyle	10.75	248	101329	52.10	ng		97
63) C630 Hexachlorobenzene	10.82	284	106936	51.09	ng		91
64) C635 Pentachlorophenol	11.02	266	71527	50.38	ng		97
65) C640 Phenanthrene	11.22	178	450529	50.44	ng		100
66) C645 Anthracene	11.27	178	462438	52.36	ng		99
67) C647 carbazole	11.43	167	440858	54.08	ng		93
68) C650 Di-n-butylphthalate	11.77	149	517382	57.40	ng		99
69) C655 Fluoranthene	12.33	202	534303	51.38	ng		91
71) C715 Pyrene	12.54	202	543127	53.25	ng		88
72) C710 benzidine	12.45	184	226882	50.47	ng		100
74) C720 Butylbenzylphthalate	13.09	149	243440	59.67	ng		96
75) C725 3,3'-Dichlorobenzidin	13.55	252	221482	48.63	ng		99
76) C730 Benzo[a]anthracene	13.57	228	550892	53.69	ng		98
77) C735 Chrysene	13.61	228	537555	49.61	ng		100
78) C740 bis(2-Ethylhexyl)phth	13.59	149	335509	62.16	ng		99
79) C760 Di-n-octylphthalate	14.12	149	625510	55.43	ng		100
81) C765 Benzo[b]fluoranthene	14.47	252	646502	51.57	ng		98
82) C770 Benzo[k]fluoranthene	14.49	252	645108	51.17	ng		98
83) C775 Benzo[a]pyrene	14.75	252	562135	52.67	ng		96
84) C780 Indeno[1,2,3-cd]pyren	15.81	276	740037	52.63	ng		98
85) C785 Dibenz[a,h]anthracene	15.82	278	623733	53.21	ng		97
86) C790 Benzo[g,h,i]perylene	16.10	276	646259	53.63	ng		97

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5326.D Vial: 2
Acq On : 8 Dec 2010 8:52 Operator: MKP
Sample : T005575-CCV1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 09 12:45:53 2010 Results File: 8270_R10K083.RES

Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

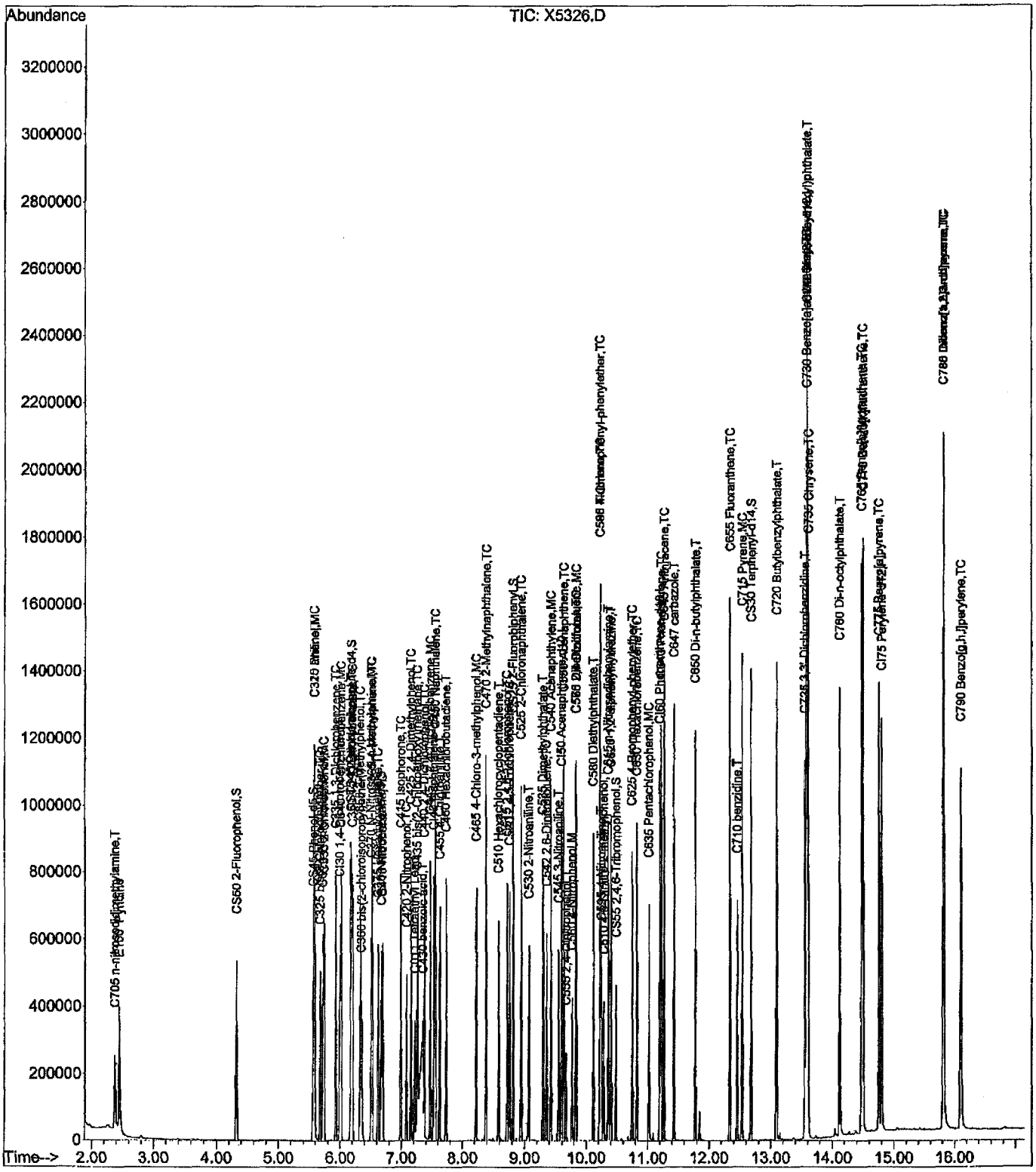
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5326.D Vial: 2
Acq On : 8 Dec 2010 8:52 Operator: MKP
Sample : T005575-CCV1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Dec 09 12:45:53 2010 Results File: 8270_R10K083.RES
Quant Method : C:\MSDCHEM\1...\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5327.D
Acq On : 8 Dec 2010 9:15
Sample : T005575-CCV2
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:46:59 2010

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00
Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:38:24 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.99	152	86147	40.00	ng	-0.02 98.41%
4) CI40 Naphthalene-d8	7.53	136	292088	40.00	ng	-0.01 96.04%
7) CI50 Acenaphthene-d8	9.59	164	159702	40.00	ng	-0.01 97.91%
10) CI60 Phenanthrene-d10	11.19	188	265456	40.00	ng	-0.01 96.11%
12) CI70 Chrysene-d12	13.58	240	341013	40.00	ng	0.00 100.38%
13) CI75 Perylene-d12	14.80	264	374094	40.00	ng	-0.01 101.33%
Target Compounds						Qvalue
2) E600 Benzaldehyde	5.44	77	122110	51.08	ng	93
3) E145 Acetophenone	6.48	105	196972	49.18	ng	97
5) E655 Caprolactam	8.01	113	39844	51.71	ng	87
6) E195 1,2,4,5-Tetrachlorobe	8.58	216	112700	47.21	ng	97
8) C811 1,1'-Biphenyl	8.93	154	280149	48.61	ng	94
9) E230 2,3,4,6-Tetrachloroph	9.98	232	63279	54.20	ng	# 100
11) E510 Atrazine	10.92	200	70580	58.43	ng	89

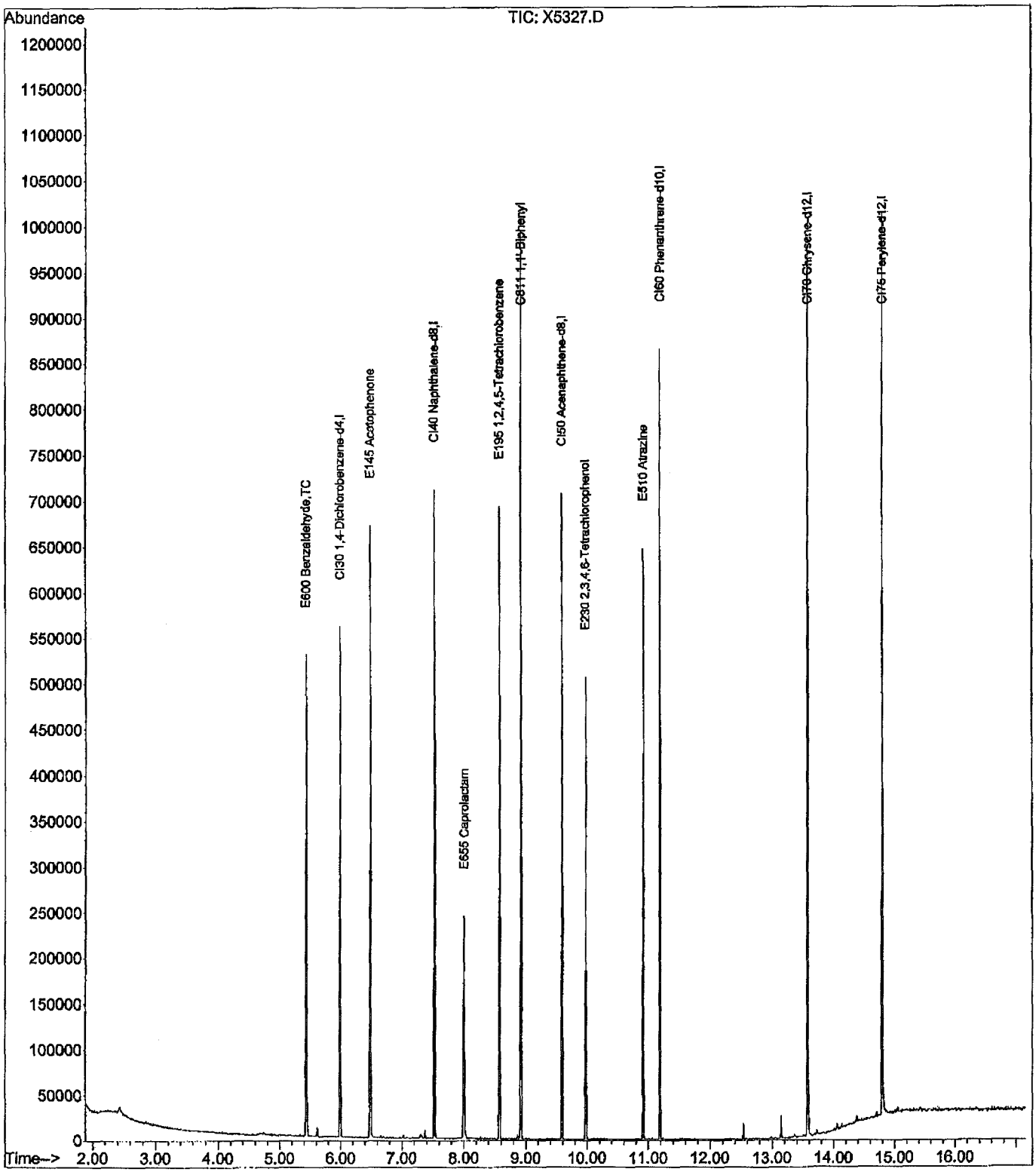
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120810\X5327.D
Acq On : 8 Dec 2010 9:15
Sample : T005575-CCV2
Misc :
MS Integration Params: rteint.p

Vial: 3
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 09 12:46:59 2010 Results File: TCLADD_...K083.RES
Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:38:24 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

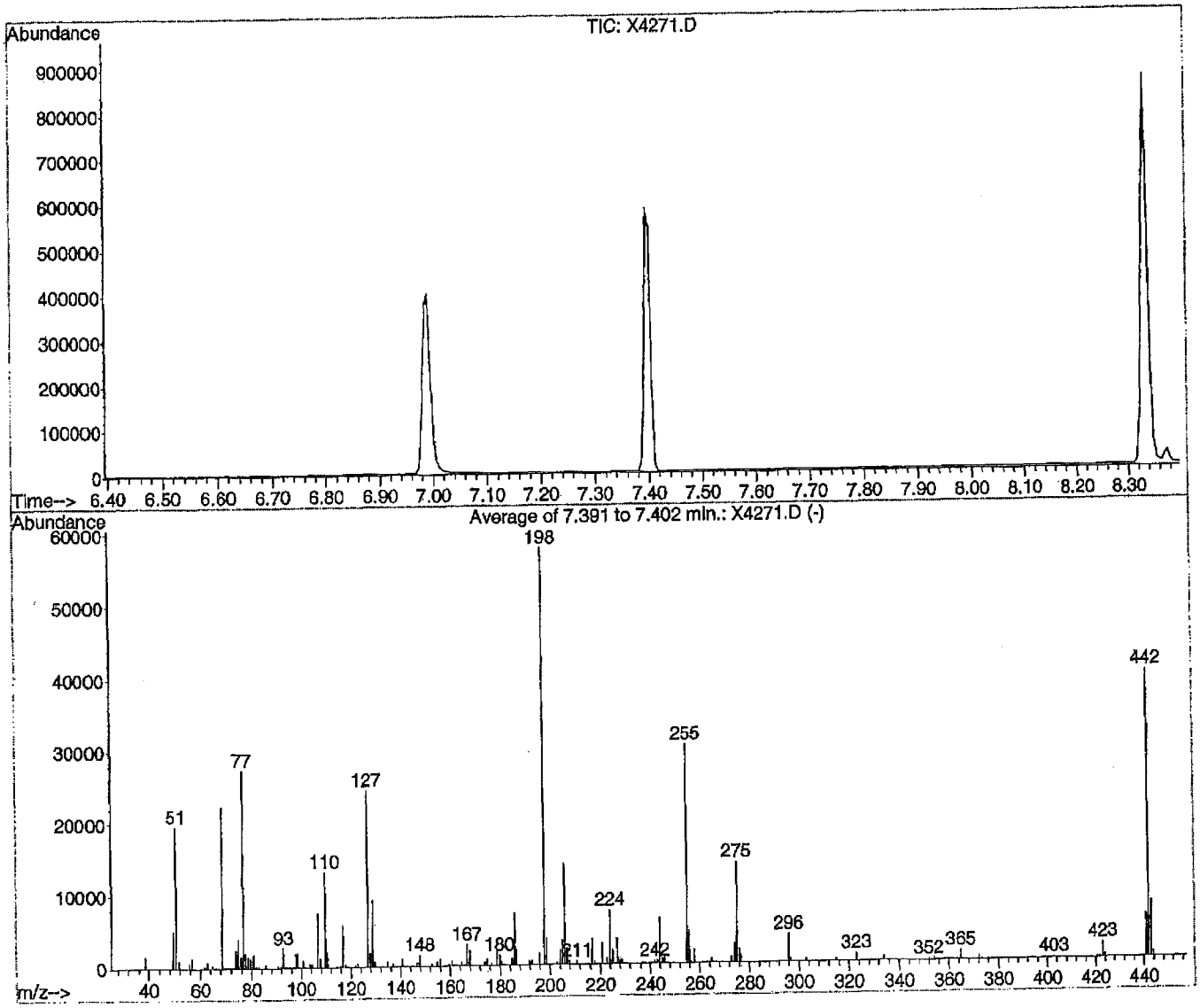


DFTPP Tune Evaluation

Data File : D:\DATA\111810\X4271.D
Acq On : 18 Nov 2010 00:57
Sample : T005247-TUN1
Misc : T005253-TUN1
MS Integration Params: rteint.p

Vial: 1
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\TUNEQ.M (RTE Integrator)
Title : Tune Analysis



Peak Apex is scan: 808 (7.40 min)
Average of 3 scans: 807,808,809 minus background scan 788 (7.29 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
51	198	30	60	34.0	19636	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	38.6	22300	PASS
70	69	0	2	0.0	0	PASS
127	198	40	60	42.3	24403	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	57725	PASS
199	198	5	9	6.4	3698	PASS
275	198	10	30	24.2	13964	PASS
365	198	1	100	2.2	1285	PASS
441	443	0	100	76.8	5957	PASS
442	198	40	110	69.1	39868	PASS
443	442	17	23	19.4	7752	PASS

X4271.D TUNEQ.M Thu Nov 18 01:08:17 2010

Average of 7.391 to 7.402 min.: X4271.D
T005247-TUN1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.90	1631	76.90	27381	104.85	414	129.90	657
49.90	5104	77.90	1988	106.90	7514	134.80	646
50.90	19636	78.90	1517	107.90	1198	136.90	388
51.90	1040	79.90	1248	109.85	13190	140.85	1071
55.90	638	80.90	1807	110.85	2045	146.85	547
56.90	1341	85.85	456	116.85	5885	147.85	1525
62.90	854	92.85	2668	117.85	394	154.85	533
68.90	22300	97.85	1998	122.80	512	155.90	1125
73.90	2445	98.80	1979	126.90	24403	160.85	550
74.90	3958	100.85	983	127.90	1895	164.80	413
75.95	1528	103.85	410	128.90	9287	166.85	2919

Average of 7.391 to 7.402 min.: X4271.D
T005247-TUN1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
167.85	2033	195.90	1582	220.90	2945	245.85	1026
173.85	440	197.80	57725	222.80	859	254.90	30388
174.90	910	198.80	3698	223.90	7477	255.80	4551
178.80	1917	203.90	1998	224.90	2002	257.80	1882
179.85	1431	204.90	3466	226.85	3412	264.80	583
180.85	542	205.90	14096	227.80	454	272.85	855
184.90	938	206.90	2220	228.80	595	273.90	2620
185.90	7288	207.85	450	241.85	361	274.90	13964
186.85	2106	210.80	457	242.90	435	275.85	1878
191.80	572	216.80	3617	243.90	6354	276.80	1040
192.90	569	217.80	409	244.90	772	295.85	3862

Average of 7.391 to 7.402 min.: X4271.D
T005247-TUN1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
296.80	468	441.90	39868				
302.90	418	442.90	7752				
314.80	409	443.90	699				
322.90	1069						
333.90	680						
353.90	384						
364.80	1285						
371.90	572						
422.90	2130						
423.90	516						
440.90	5957						

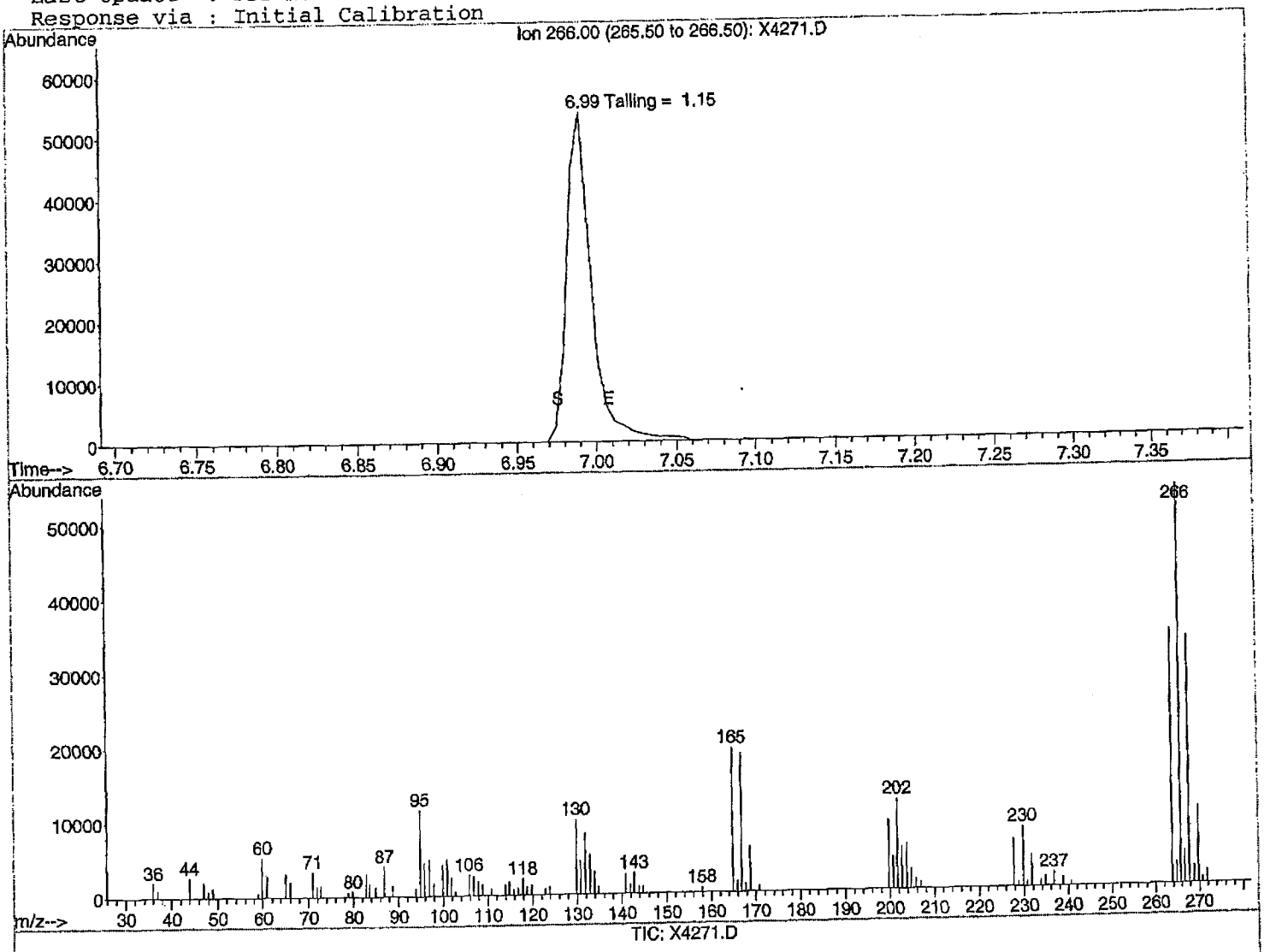
EasyID Report

Data File : D:\DATA\111810\X4271.D
Acq On : 18 Nov 2010 00:57
Sample : T005247-TUN1
Misc : T005253-TUN1
MS Integration Params: NA
Quant Time: No Quant Results

Vial: 1
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: TUNEQ.RES

Method : C:\MSDCHEM\1\METHODS\TUNEQ.M (RTE Integrator)
Title : Tune Analysis
Last Update : Fri Nov 12 11:24:17 2010
Response via : Initial Calibration



(1) Pentachlorophenol

Exp R.T. 6.93min

response 0

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

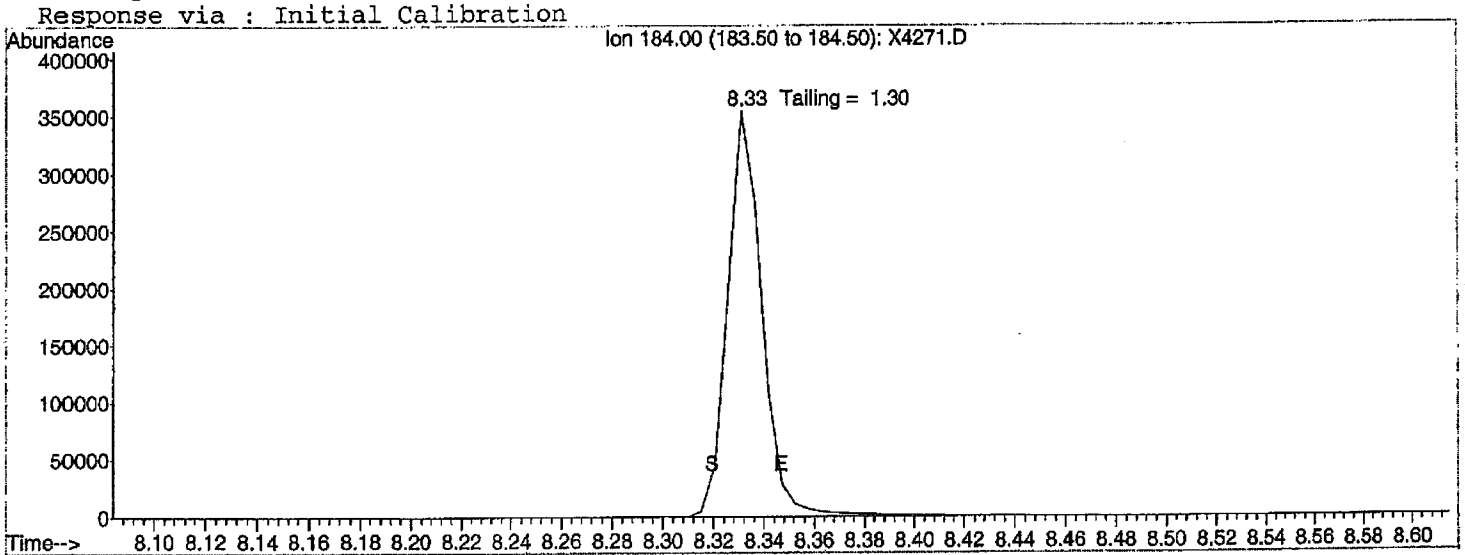
EasyID Report

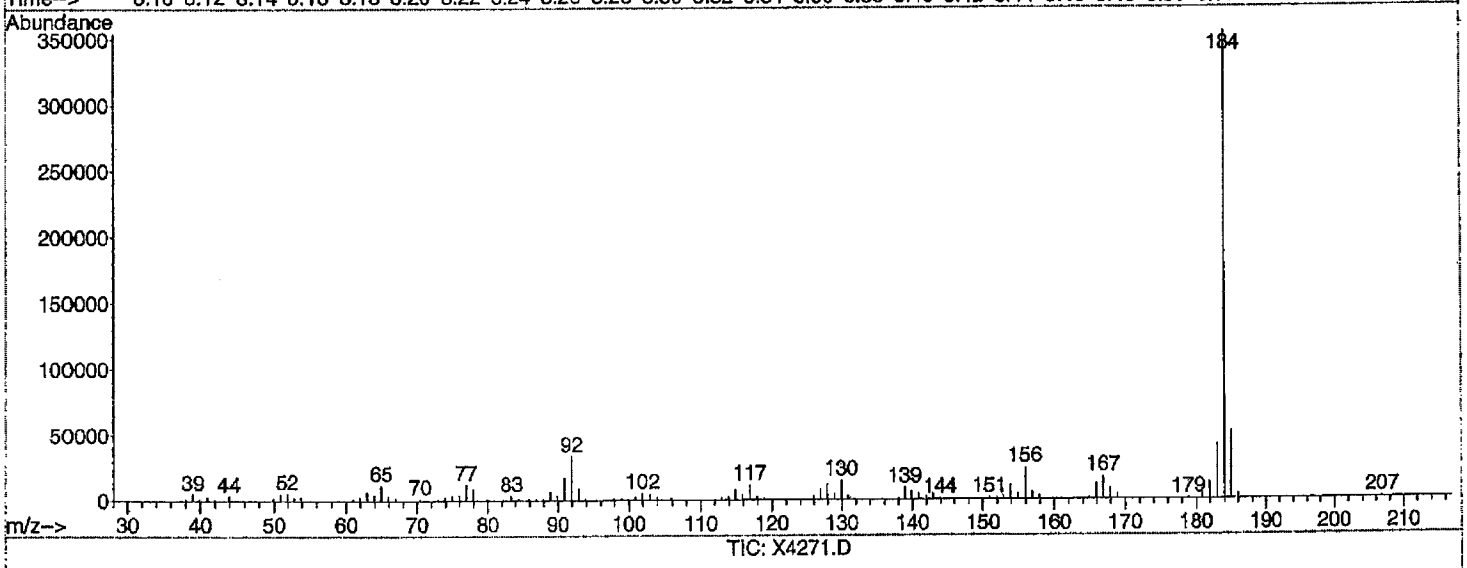
Data File : D:\DATA\111810\X4271.D
Acq On : 18 Nov 2010 00:57
Sample : T005247-TUN1
Misc : T005253-TUN1
MS Integration Params: NA
Quant Time: No Quant Results

Vial: 1
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: TUNEQ.RES

Method : C:\MSDCHEM\1\METHODS\TUNEQ.M (RTE Integrator)
Title : Tune Analysis
Last Update : Fri Nov 12 11:24:17 2010
Response via : Initial Calibration





TIC: X4271.D

(2) Benzidine

Exp R.T. 8.22min

response 0

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

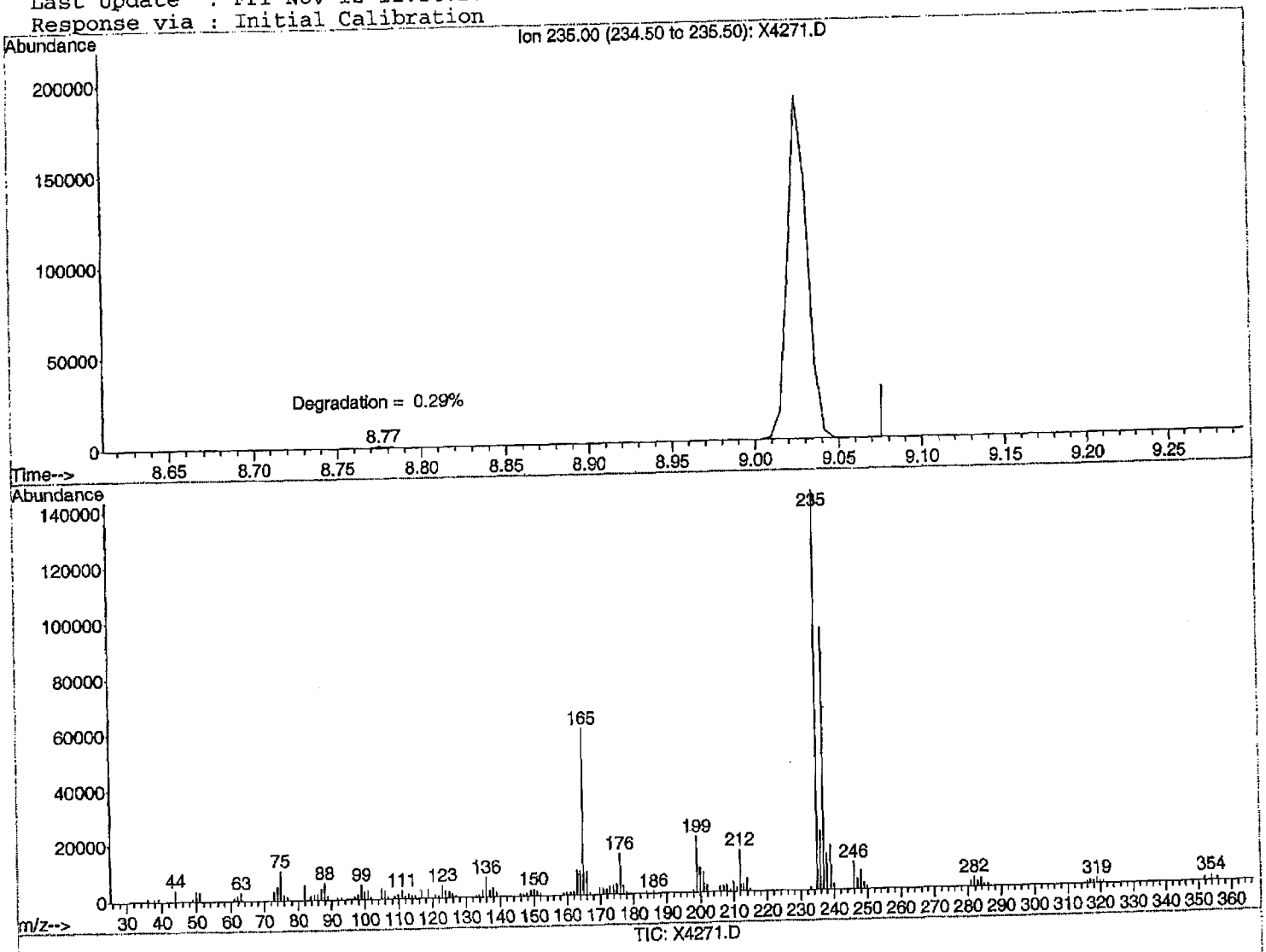
EasyID Report

Data File : D:\DATA\111810\X4271.D
Acq On : 18 Nov 2010 00:57
Sample : T005247-TUN1
Misc : T005253-TUN1
MS Integration Params: NA
Quant Time: No Quant Results

Vial: 1
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: TUNEQ.RES

Method : C:\MSDCHEM\1\METHODS\TUNEQ.M (RTE Integrator)
Title : Tune Analysis
Last Update : Fri Nov 12 11:24:17 2010
Response via : Initial Calibration



(3) 4-4DDT

Exp R.T. 8.33min

response 0

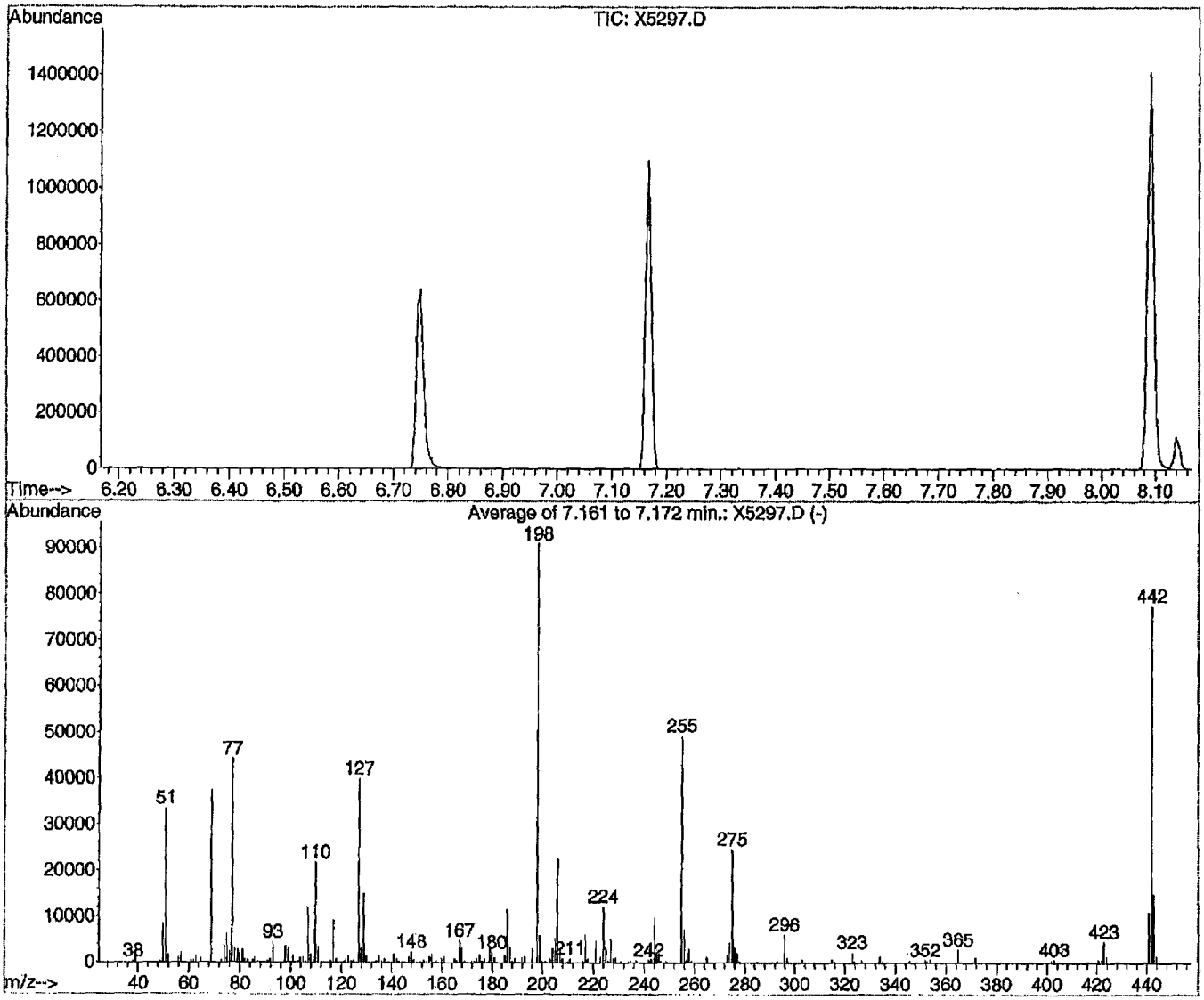
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP Tune Evaluation

Data File : D:\DATA\120710\X5297.D
Acq On : 7 Dec 2010 19:57
Sample : T005571-TUN1
Misc :
MS Integration Params: rteint.p

Vial: 1
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\TUNEQ.M (RTE Integrator)
Title : Tune Analysis



Peak Apex is scan: 765 (7.17 min)
Average of 3 scans: 764,765,766 minus background scan 745 (7.06 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
51	198	30	60	36.8	33432	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	41.0	37304	PASS
70	69	0	2	0.0	0	PASS
127	198	40	60	43.8	39821	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	90877	PASS
199	198	5	9	6.7	6051	PASS
275	198	10	30	27.2	24711	PASS
365	198	1	100	3.2	2877	PASS
441	443	0	100	74.1	11028	PASS
442	198	40	110	85.3	77498	PASS
443	442	17	23	19.2	14873	PASS

Average of 7.161 to 7.172 min.: X5297.D
T005571-TUN1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.90	2604	76.00	2353	92.85	4479	117.85	763
49.95	8486	76.90	44237	97.90	3610	121.80	628
50.90	33432	77.90	3140	98.90	3177	122.90	1234
51.90	1772	78.90	2812	100.85	1524	126.90	39821
55.90	1086	79.90	2077	103.85	942	127.90	3193
56.90	2204	80.90	2759	104.90	1017	128.90	15074
62.90	1357	81.85	738	106.90	11806	129.90	1373
64.90	800	82.90	584	107.90	1841	134.85	1209
68.90	37304	84.85	536	109.90	21780	136.90	727
73.90	4040	85.90	1083	110.90	3286	140.85	2013
74.90	6190	91.90	682	116.90	9326	141.90	813

Average of 7.161 to 7.172 min.: X5297.D
T005571-TUN1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.90	1134	174.90	1769	195.85	2902	217.80	741
147.80	2312	176.80	822	197.80	90877	220.90	4639
148.85	506	178.80	3044	198.80	6051	222.85	1326
154.85	1156	179.85	2182	202.80	694	223.90	12217
155.90	1718	180.90	1063	203.90	2959	224.90	3262
159.80	528	184.90	1522	204.90	5266	226.85	5345
160.85	1068	185.90	11581	205.90	22576	227.85	764
164.90	787	186.90	3486	206.90	3232	228.80	1073
166.90	4676	188.80	757	207.85	794	241.85	543
167.80	3068	191.85	1095	210.80	867	242.90	760
173.80	883	192.90	1232	216.80	5997	243.90	9984

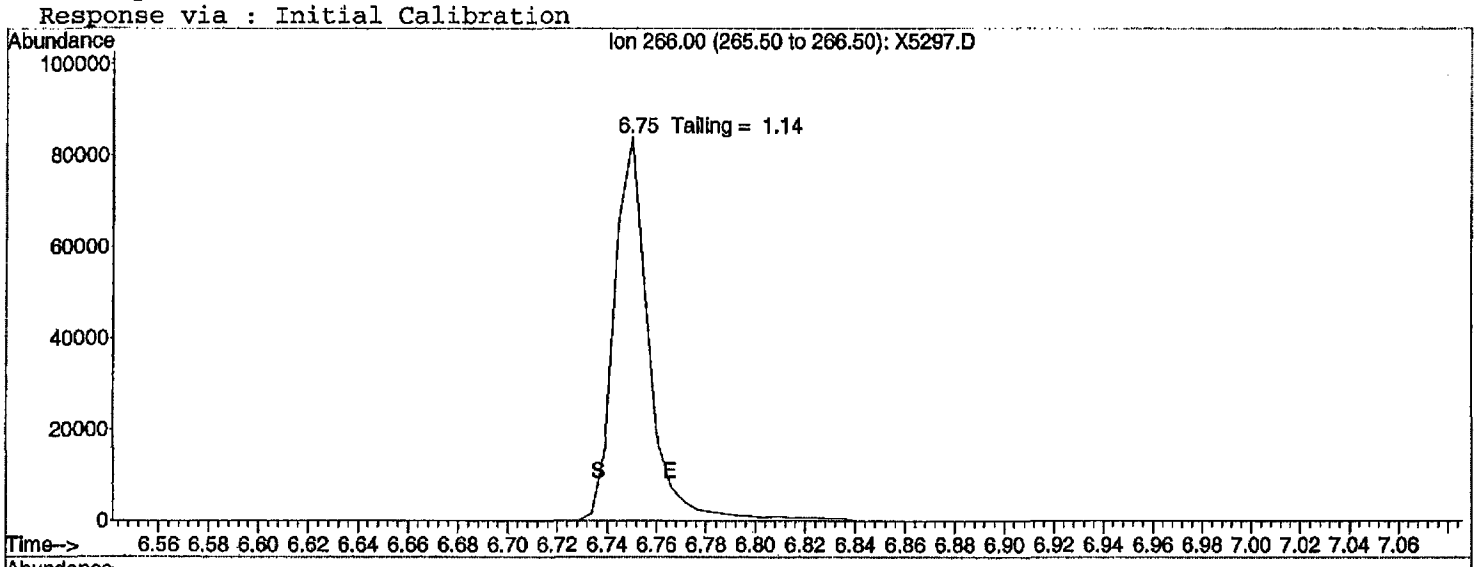
Average of 7.161 to 7.172 min.: X5297.D
T005571-TUN1
Modified:subtracted

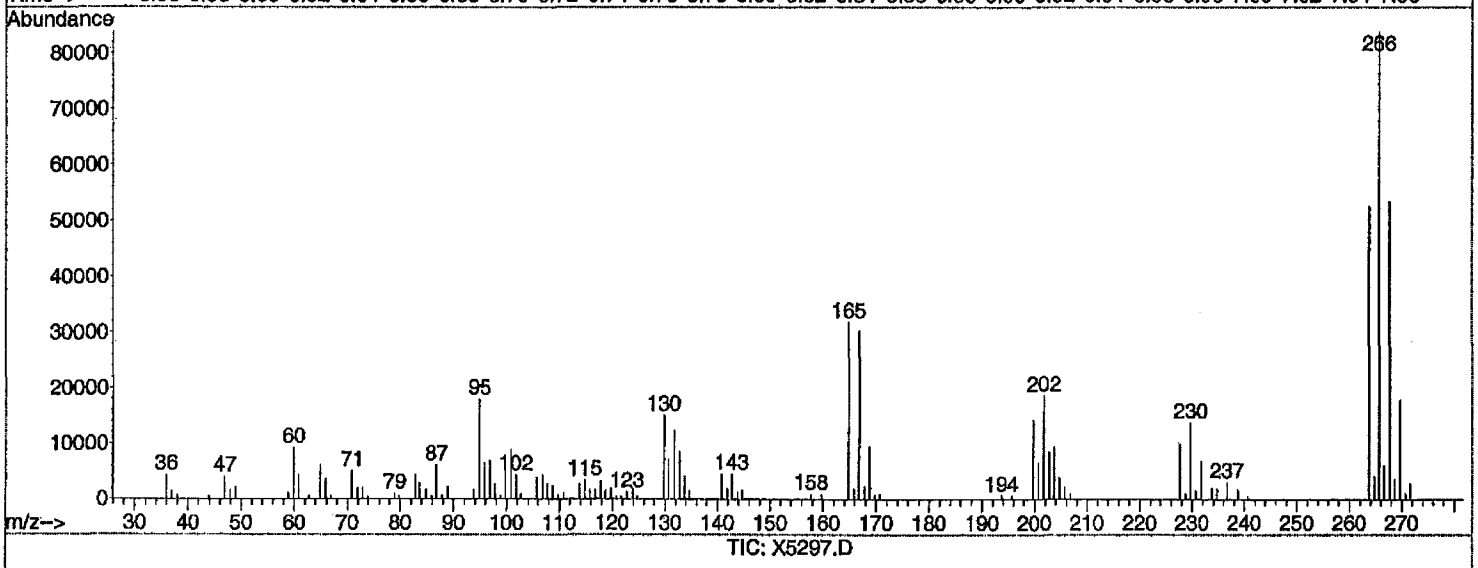
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
244.85	1435	276.85	2207	402.85	623		
245.85	1993	295.80	6105	420.80	493		
254.80	49378	296.85	911	421.85	563		
255.85	7404	302.85	631	422.90	4552		
256.80	494	314.80	586	423.90	1380		
257.80	3043	322.90	2241	440.90	11028		
264.80	1220	333.85	1312	441.90	77498		
272.85	1502	351.85	565	442.90	14873		
273.85	4427	353.90	680	443.90	1396		
274.85	24711	364.80	2877				
275.90	3247	371.80	1149				

EasyID Report

Data File : D:\DATA\120710\X5297.D
Acq On : 7 Dec 2010 19:57
Sample : T005571-TUN1
Misc :
MS Integration Params: NA
Quant Time: No Quant Results
Vial: 1
Operator: JLG
Inst : HP5973X
Multiplr: 1.00
Results File: TUNEQ.RES

Method : C:\MSDCHEM\1\METHODS\TUNEQ.M (RTE Integrator)
Title : Tune Analysis
Last Update : Mon Dec 06 21:35:01 2010
Response via : Initial Calibration





TIC: X5297.D

(1) Pentachlorophenol

Exp R.T. 6.82min

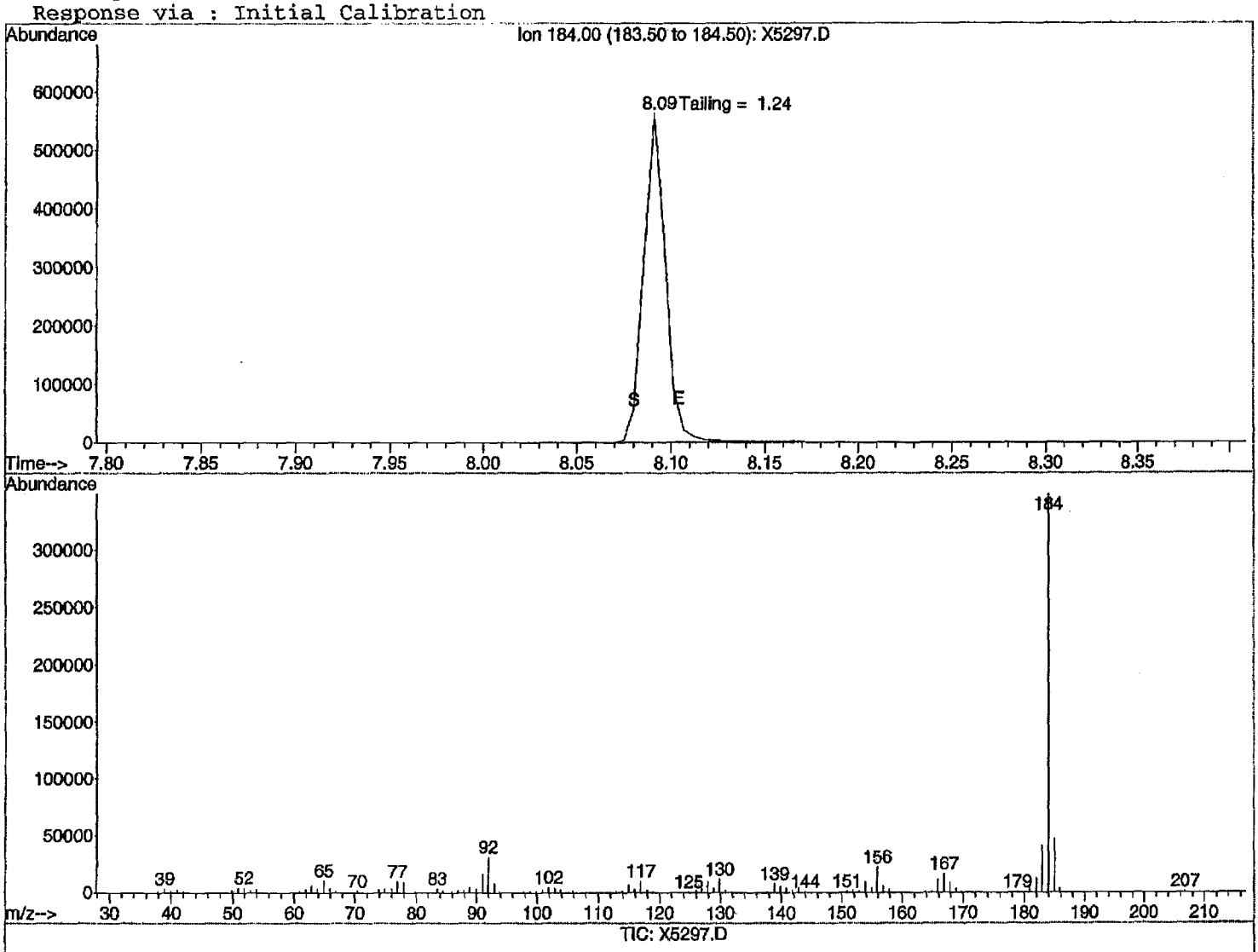
response 0

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

EasyID Report

Data File : D:\DATA\120710\X5297.D Vial: 1
Acq On : 7 Dec 2010 19:57 Operator: JLG
Sample : T005571-TUN1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: No Quant Results Results File: TUNEQ.RES

Method : C:\MSDCHEM\1\METHODS\TUNEQ.M (RTE Integrator)
Title : Tune Analysis
Last Update : Mon Dec 06 21:35:01 2010
Response via : Initial Calibration



(2) Benzidine

Exp R.T. 8.16min

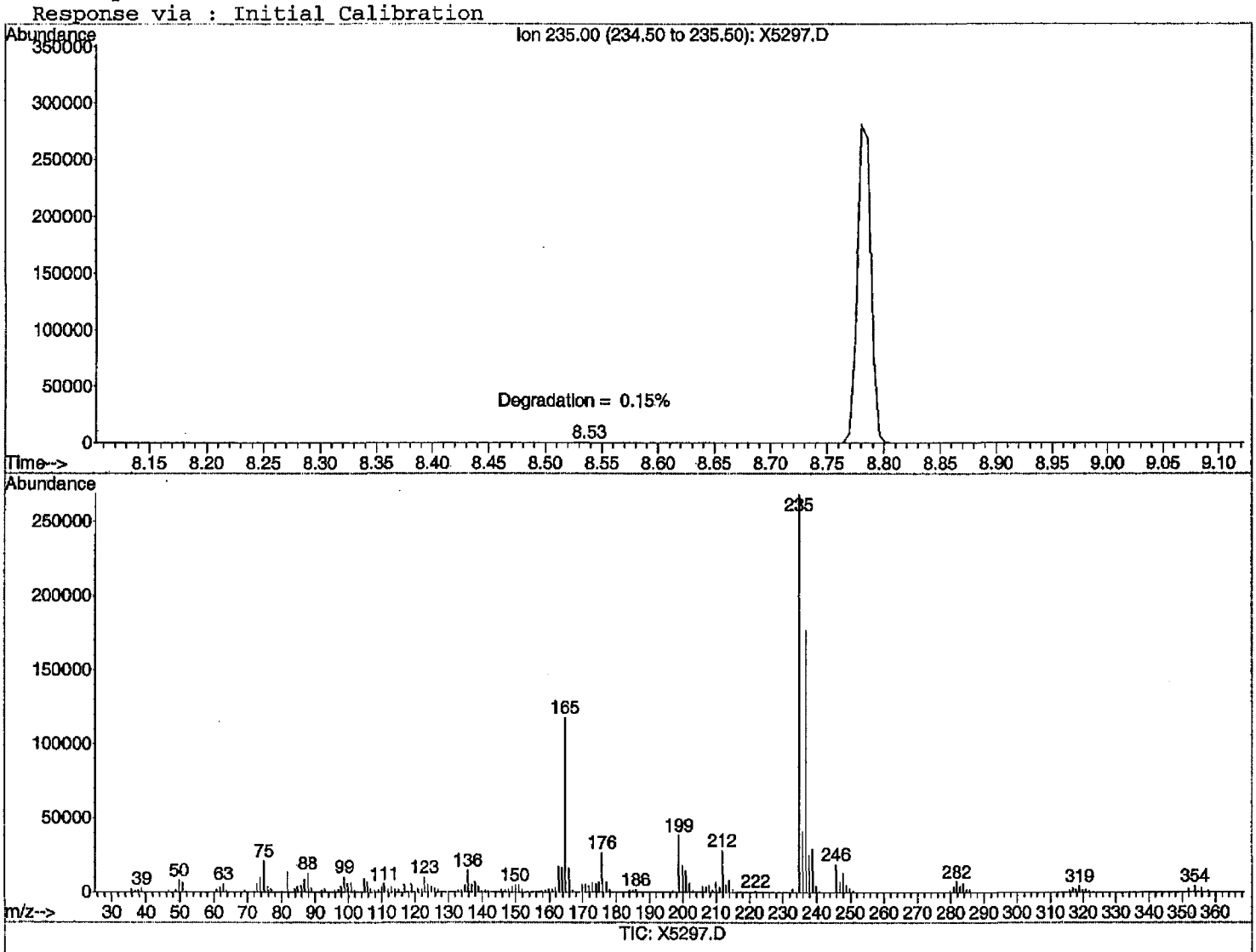
response 0

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

EasyID Report

Data File : D:\DATA\120710\X5297.D
Acq On : 7 Dec 2010 19:57
Sample : T005571-TUN1
Misc :
MS Integration Params: NA
Quant Time: No Quant Results
Vial: 1
Operator: JLG
Inst : HP5973X
Multiplr: 1.00
Results File: TUNEQ.RES

Method : C:\MSDCHEM\1\METHODS\TUNEQ.M (RTE Integrator)
Title : Tune Analysis
Last Update : Mon Dec 06 21:35:01 2010
Response via : Initial Calibration



(3) 4-4DDT

Exp R.T. 8.55min

response 0

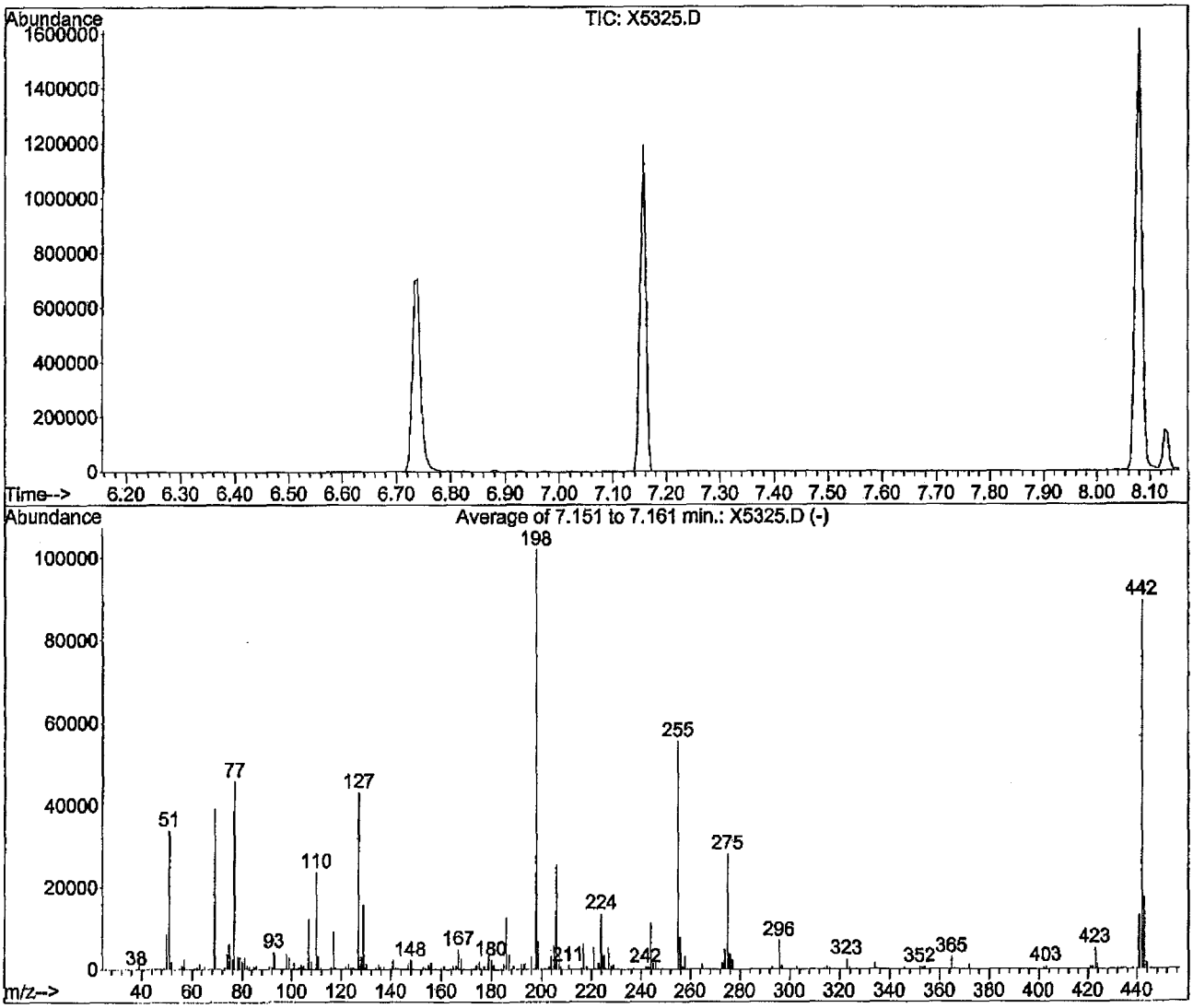
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP Tune Evaluation

Data File : D:\DATA\120810\X5325.D
Acq On : 8 Dec 2010 8:37
Sample : T005575-TUN1
Misc :
MS Integration Params: rteint.p

Vial: 1
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\TUNEQ.M (RTE Integrator)
Title : Tune Analysis



Peak Apex is scan: 763 (7.16 min)
Average of 3 scans: 762,763,764 minus background scan 743 (7.05 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
51	198	30	60	33.2	33933	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	38.4	39322	PASS
70	69	0	2	0.0	0	PASS
127	198	40	60	42.2	43210	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	102296	PASS
199	198	5	9	7.0	7155	PASS
275	198	10	30	27.5	28136	PASS
365	198	1	100	2.9	3006	PASS
441	443	0	100	75.9	13225	PASS
442	198	40	110	87.6	89602	PASS
443	442	17	23	19.5	17429	PASS

Average of 7.151 to 7.161 min.: X5325.D
T005575-TUN1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.00	2653	75.95	2608	91.85	581	115.95	537
49.90	8792	76.90	45941	92.90	4406	116.90	9430
50.90	33933	77.95	3310	97.90	3631	117.85	615
51.90	1961	78.90	3025	98.90	2854	121.80	724
55.90	1027	79.90	2160	100.90	1643	122.90	1247
56.90	2417	80.90	3032	103.90	1132	126.90	43210
62.90	1459	81.90	850	104.85	943	127.90	3209
64.95	821	82.90	687	106.90	12412	128.90	16003
68.90	39322	84.90	699	107.90	1984	129.90	1402
73.90	3933	85.85	1025	109.90	23806	134.85	1353
74.90	6398	90.90	840	110.85	3452	135.85	611

Average of 7.151 to 7.161 min.: X5325.D
T005575-TUN1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
136.90	648	166.90	4917	188.80	772	207.80	921
140.80	2263	167.85	2447	191.85	1129	210.85	1049
141.85	537	173.85	1035	192.85	1326	216.80	6263
146.90	1177	174.90	1884	195.85	3119	217.85	717
147.85	2276	176.85	883	197.80	102296	220.85	5404
152.85	547	178.85	3216	198.80	7155	222.85	1596
154.85	1216	179.90	2360	202.85	814	223.90	13750
155.90	1821	180.85	1047	203.85	3279	224.90	3624
160.85	897	184.90	1479	204.90	5724	226.85	5462
164.85	988	185.90	12893	205.90	25477	227.80	933
165.85	767	186.90	3625	206.90	3605	228.85	1262

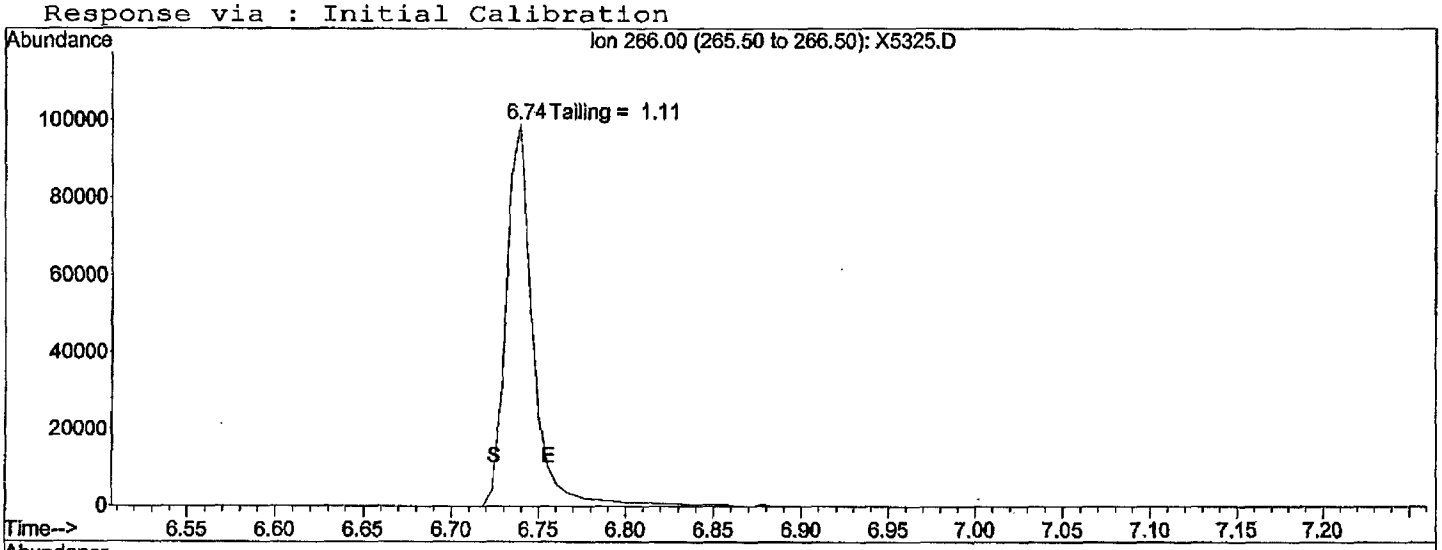
Average of 7.151 to 7.161 min.: X5325.D
T005575-TUN1
Modified:subtracted

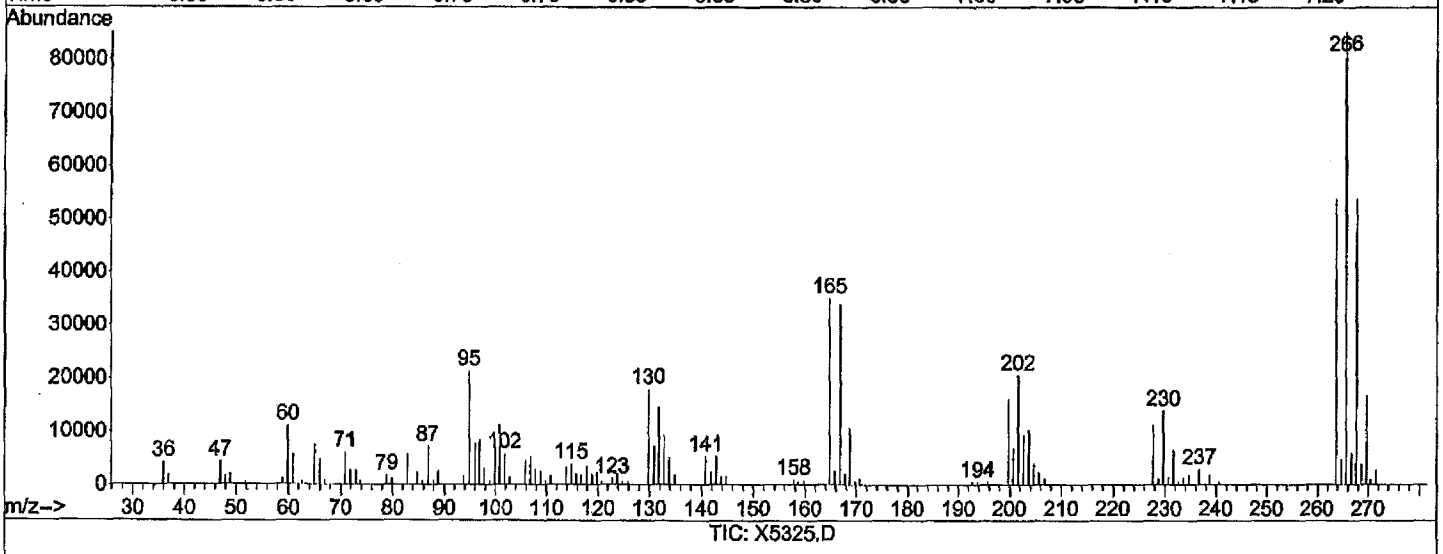
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
241.90	637	273.85	5018	353.85	621	443.85	1577
242.90	596	274.90	28136	364.80	3006		
243.90	11401	275.90	3763	371.85	1196		
244.85	1493	276.80	2336	402.85	731		
245.80	2076	295.80	7056	420.85	601		
254.90	55581	296.80	960	421.85	595		
255.85	8140	302.90	756	422.90	5240		
256.80	767	314.80	667	423.85	1291		
257.80	3189	322.85	2540	440.90	13225		
264.80	1333	333.90	1566	441.90	89602		
272.85	1660	351.90	604	442.90	17429		

Data File : D:\DATA\120810\X5325.D
Acq On : 8 Dec 2010 8:37
Sample : T005575-TUN1
Misc :
MS Integration Params: NA
Quant Time: No Quant Results Results File: TUNEQ.RES

Vial: 1
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\TUNEQ.M (RTE Integrator)
Title : Tune Analysis
Last Update : Wed Dec 08 22:53:23 2010
Response via : Initial Calibration





TIC: X5325.D

(1) Pentachlorophenol

Exp R.T. 6.82min

response 0

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

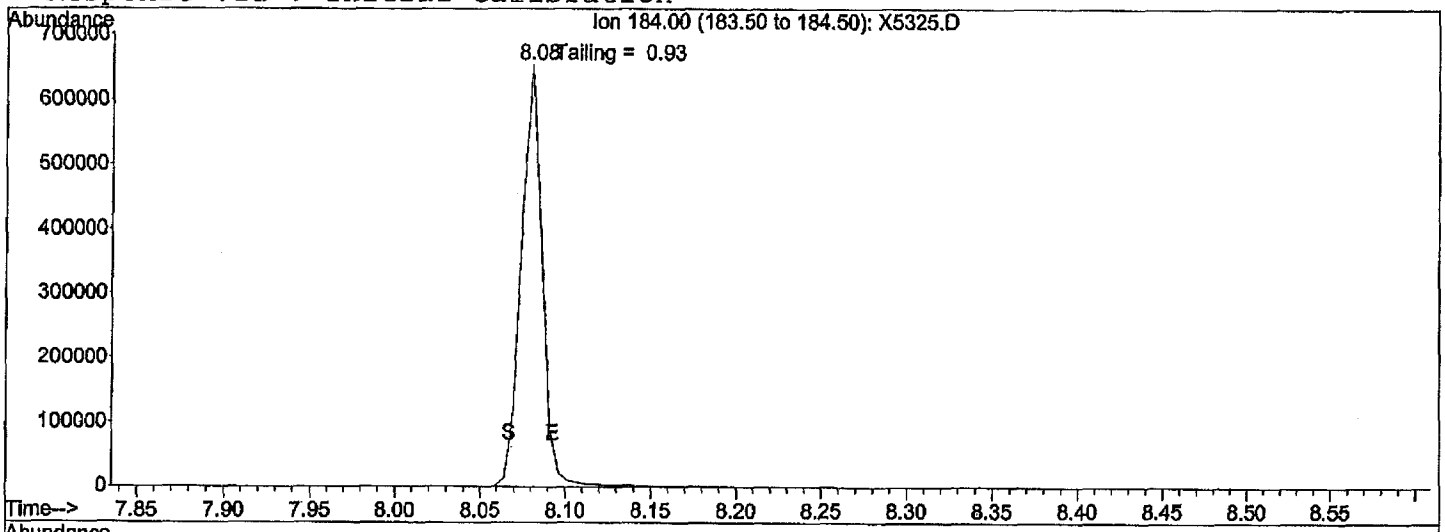
EasyID Report

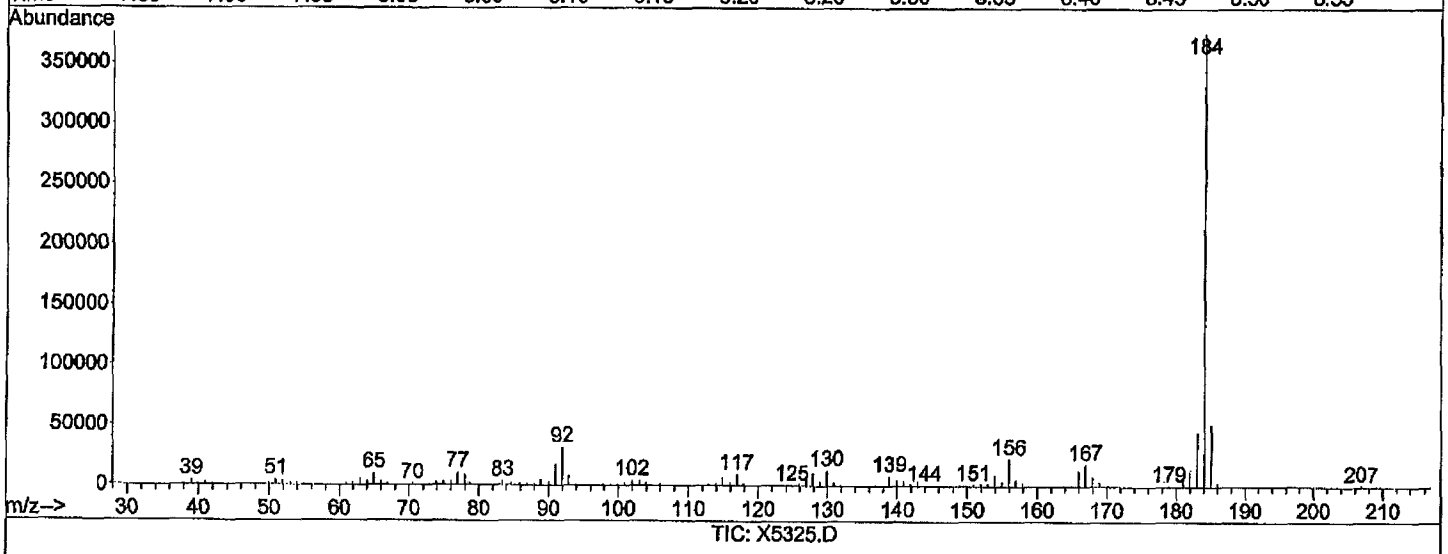
Data File : D:\DATA\120810\X5325.D
Acq On : 8 Dec 2010 8:37
Sample : T005575-TUN1
Misc :
MS Integration Params: NA
Quant Time: No Quant Results

Vial: 1
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Results File: TUNEQ.RES

Method : C:\MSDCHEM\1\METHODS\TUNEQ.M (RTE Integrator)
Title : Tune Analysis
Last Update : Wed Dec 08 22:53:23 2010
Response via : Initial Calibration





TIC: X5325.D

(2) Benzidine

Exp R.T. 8.16min

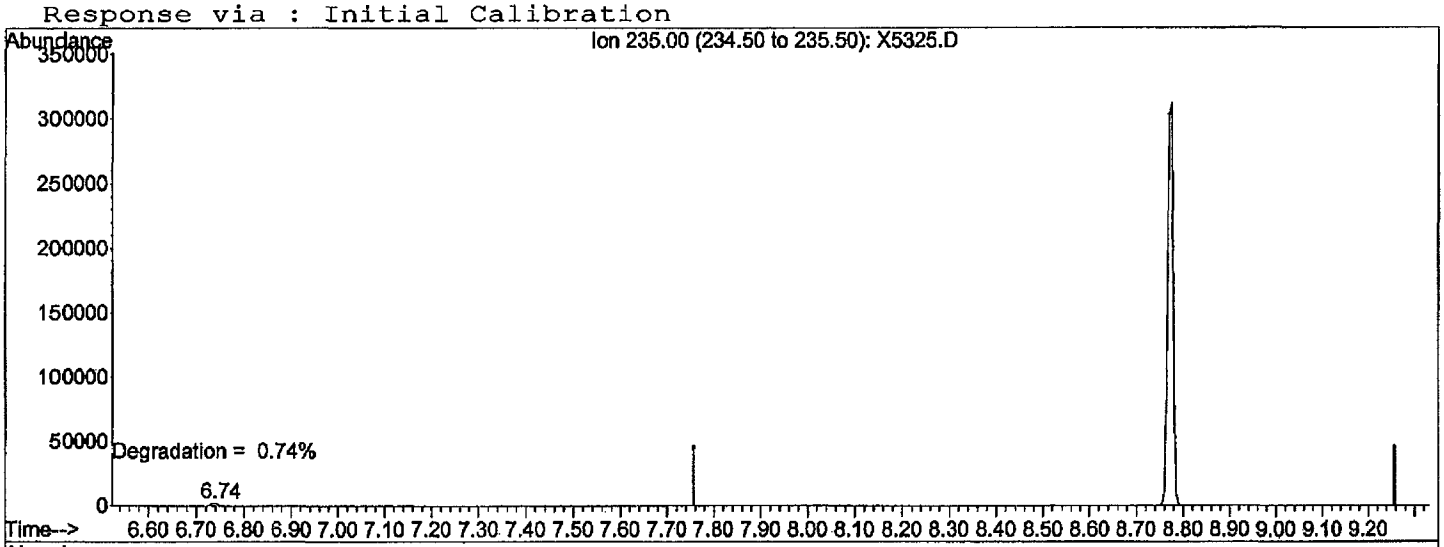
response 0

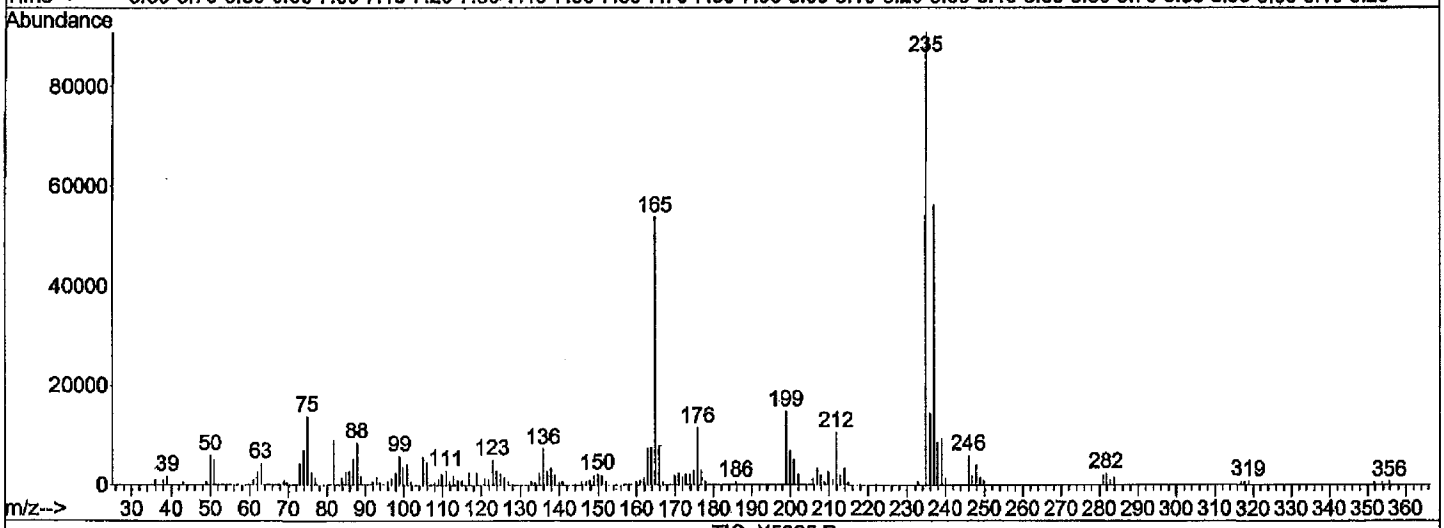
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File : D:\DATA\120810\X5325.D
Acq On : 8 Dec 2010 8:37
Sample : T005575-TUN1
Misc :
MS Integration Params: NA
Quant Time: No Quant Results Results File: TUNEQ.RES

Vial: 1
Operator: MKP
Inst : HP5973X
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\TUNEQ.M (RTE Integrator)
Title : Tune Analysis
Last Update : Wed Dec 08 22:53:23 2010
Response via : Initial Calibration





TIC: X5325.D

(3) 4-4DDT

Exp R.T. 8.51min

response 0

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

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

Blank

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0497-BLK1	File ID:	X5302.D
Sampled:		Prepared:	12/07/10 11:00	Analyzed:	12/07/10 22:04
Solids:		Preparation:	3550B MB	Initial/Final:	30.76 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	170	U
95-95-4	2,4,5-Trichlorophenol	1	170	U
88-06-2	2,4,6-Trichlorophenol	1	170	U
120-83-2	2,4-Dichlorophenol	1	170	U
105-67-9	2,4-Dimethylphenol	1	170	U
51-28-5	2,4-Dinitrophenol	1	320	U
121-14-2	2,4-Dinitrotoluene	1	170	U
606-20-2	2,6-Dinitrotoluene	1	170	U
91-58-7	2-Chloronaphthalene	1	170	U
95-57-8	2-Chlorophenol	1	170	U
91-57-6	2-Methylnaphthalene	1	170	U
95-48-7	2-Methylphenol	1	170	U
88-74-4	2-Nitroaniline	1	320	U
88-75-5	2-Nitrophenol	1	170	U
91-94-1	3,3'-Dichlorobenzidine	1	170	U
99-09-2	3-Nitroaniline	1	320	U
534-52-1	4,6-Dinitro-2-methylphenol	1	320	U
101-55-3	4-Bromophenyl phenyl ether	1	170	U
59-50-7	4-Chloro-3-methylphenol	1	170	U
106-47-8	4-Chloroaniline	1	170	U
7005-72-3	4-Chlorophenyl phenyl ether	1	170	U
106-44-5	4-Methylphenol	1	320	U
100-01-6	4-Nitroaniline	1	320	U
100-02-7	4-Nitrophenol	1	320	U
83-32-9	Acenaphthene	1	170	U
208-96-8	Acenaphthylene	1	170	U
98-86-2	Acetophenone	1	170	U
120-12-7	Anthracene	1	170	U
1912-24-9	Atrazine	1	170	U
100-52-7	Benzaldehyde	1	170	U
56-55-3	Benzo(a)anthracene	1	170	U
50-32-8	Benzo(a)pyrene	1	170	U
205-99-2	Benzo(b)fluoranthene	1	170	U
191-24-2	Benzo(ghi)perylene	1	170	U
207-08-9	Benzo(k)fluoranthene	1	170	U
92-52-4	Biphenyl	1	170	U
111-91-1	Bis(2-chloroethoxy)methane	1	170	U
111-44-4	Bis(2-chloroethyl)ether	1	170	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	170	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

Blank

Laboratory: TestAmerica Buffalo | SDG: RTL0572

Client: PARS Environmental, Inc. | Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid | Laboratory ID: 10L0497-BLK1 | File ID: X5302.D

Sampled: | Prepared: 12/07/10 11:00 | Analyzed: 12/07/10 22:04

Solids: | Preparation: 3550B MB | Initial/Final: 30.76 g / 1 mL

Batch: 10L0497 | Sequence: T005571 | Calibration: R10K083 | Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	170	U
105-60-2	Caprolactam	1	170	U
86-74-8	Carbazole	1	170	U
218-01-9	Chrysene	1	170	U
53-70-3	Dibenzo(a,h)anthracene	1	170	U
132-64-9	Dibenzofuran	1	170	U
84-66-2	Diethyl phthalate	1	170	U
131-11-3	Dimethyl phthalate	1	170	U
84-74-2	Di-n-butyl phthalate	1	170	U
117-84-0	Di-n-octyl phthalate	1	170	U
206-44-0	Fluoranthene	1	170	U
86-73-7	Fluorene	1	170	U
118-74-1	Hexachlorobenzene	1	170	U
87-68-3	Hexachlorobutadiene	1	170	U
77-47-4	Hexachlorocyclopentadiene	1	170	U
67-72-1	Hexachloroethane	1	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	170	U
78-59-1	Isophorone	1	170	U
91-20-3	Naphthalene	1	170	U
98-95-3	Nitrobenzene	1	170	U
621-64-7	N-Nitrosodi-n-propylamine	1	170	U
86-30-6	N-Nitrosodiphenylamine	1	170	U
87-86-5	Pentachlorophenol	1	320	U
85-01-8	Phenanthrene	1	170	U
108-95-2	Phenol	1	170	U
129-00-0	Pyrene	1	170	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/kg)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	4880	4380	90	39 - 146	
2-Fluorobiphenyl	3250	2460	76	37 - 120	
2-Fluorophenol	4880	3190	65	18 - 120	
Nitrobenzene-d5	3250	2440	75	34 - 132	
Phenol-d5	4880	3530	72	11 - 120	
p-Terphenyl-d14	3250	2630	81	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	77247	6	75436	6	
Acenaphthene-d10	160231	9.6	164135	9.6	
Chrysene-d12	331990	13.6	340849	13.6	

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

Blank

Laboratory:	TestAmerica Buffalo		SDG:	RTL0572	
Client:	PARS Environmental, Inc.		Project:	NF Armed Forces Reserve Center Solids Testing	
Matrix:	Solid	Laboratory ID:	10L0497-BLK1	File ID:	X5302.D
Sampled:		Prepared:	12/07/10 11:00	Analyzed:	12/07/10 22:04
Solids:		Preparation:	3550B MB	Initial/Final:	30.76 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8	286141	7.54	283821	7.54	
Perylene-d12	364856	14.81	402421	14.81	
Phenanthrene-d10	265650	11.2	278314	11.2	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5302.D
Acq On : 7 Dec 2010 22:04
Sample : 10L0497-BLK1
Misc :
MS Integration Params: NA
Quant Time: Dec 08 07:32:24 2010

Vial: 2
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	77247	40.00	ng	0.00 102.40%
21) CI40 Naphthalene-d8	7.54	136	286141	40.00	ng	0.00 100.82%
37) CI50 Acenaphthene-d10	9.60	164	160231	40.00	ng	0.00 97.62%
58) CI60 Phenanthrene-d10	11.20	188	265650	40.00	ng	0.00 95.45%
70) CI70 Chrysene-d12	13.60	240	331990	40.00	ng	0.00 97.40%
80) CI75 Perylene-d12	14.81	264	364856	40.00	ng	0.00 90.67%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.34	112	293920	98.24	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 65.49%			
6) CS45 Phenol-d5	5.58	99	391262	108.47	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 72.31%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.68	82	214979	75.03	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 75.03%			
41) CS25 2-Fluorobiphenyl	8.82	172	384242	75.62	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 75.62%			
61) CS55 2,4,6-Tribromophenol	10.49	330	94270	134.64	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 89.76%			
73) CS30 Terphenyl-d14	12.68	244	484740	81.00	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 81.00%			

Target Compounds					Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.	
3) E100 Pyridine	0.00	79	0	N.D.	
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.	
8) C315 Phenol	0.00	94	0	N.D.	
9) C330 2-Chlorophenol	0.00	128	0	N.D.	
10) C320 aniline	0.00	93	0	N.D.	
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.	
12) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.	
15) C345 Benzyl alcohol	0.00	108	0	N.D.	
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.	
17) C355 2-Methylphenol	0.00	108	0	N.D.	
18) C375 Hexachloroethane	0.00	117	0	N.D.	
19) C370 N-Nitroso-di-n-prop	0.00	70	0	N.D.	
20) C365 4-Methylphenol	0.00	108	0	N.D.	
23) C410 Nitrobenzene	0.00	77	0	N.D.	
24) C415 Isophorone	0.00	82	0	N.D.	
25) C011 Tetraethyl Lead	0.00	237	0	N.D.	
26) C430 benzoic acid	0.00	122	0	N.D.	
27) C420 2-Nitrophenol	0.00	139	0	N.D.	
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.	

Data File : D:\DATA\120710\X5302.D Vial: 2
Acq On : 7 Dec 2010 22:04 Operator: JLG
Sample : 10L0497-BLK1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 08 07:32:24 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.		
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.		
31) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.		
32) C450 Naphthalene	0.00	128	0	N.D.		
33) C455 4-Chloroaniline	0.00	127	0	N.D.		
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.		
35) C465 4-Chloro-3-methylph	0.00	107	0	N.D.		
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.		
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.		
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.		
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.		
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.		
43) C530 2-Nitroaniline	0.00	65	0	N.D.		
44) C540 Acenaphthylene	0.00	152	0	N.D.		
45) C535 Dimethylphthalate	0.00	163	0	N.D.		
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.		
47) C550 Acenaphthene	0.00	153	0	N.D.		
48) C545 3-Nitroaniline	0.00	138	0	N.D.		
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.		
50) C565 Dibenzofuran	0.00	168	0	N.D.		
51) C570 2,4-Dinitrotoluene	0.00	165	0	N.D.	d	
52) C560 4-Nitrophenol	0.00	109	0	N.D.		
53) C590 Fluorene	0.00	166	0	N.D.		
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.		
55) C580 Diethylphthalate	0.00	149	0	N.D.		
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.		
57) C595 4-Nitroaniline	0.00	138	0	N.D.		
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.		
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.		
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.		
63) C630 Hexachlorobenzene	0.00	284	0	N.D.		
64) C635 Pentachlorophenol	0.00	266	0	N.D.		
65) C640 Phenanthrene	0.00	178	0	N.D.		
66) C645 Anthracene	0.00	178	0	N.D.		
67) C647 carbazole	0.00	167	0	N.D.		
68) C650 Di-n-butylphthalate	0.00	149	0	N.D.		
69) C655 Fluoranthene	0.00	202	0	N.D.		
71) C715 Pyrene	0.00	202	0	N.D.		
72) C710 benzidine	0.00	184	0	N.D.		
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.		
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.		
76) C730 Benzo[a]anthracene	0.00	228	0	N.D.		
77) C735 Chrysene	0.00	228	0	N.D.		
78) C740 bis(2-Ethylhexyl)ph	0.00	149	0	N.D.		
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.		
81) C765 Benzo[b]fluoranthen	0.00	252	0	N.D.		
82) C770 Benzo[k]fluoranthen	0.00	252	0	N.D.		
83) C775 Benzo[a]pyrene	0.00	252	0	N.D.		
84) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.		
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.		
86) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.		

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5302.D Vial: 2
Acq On : 7 Dec 2010 22:04 Operator: JLG
Sample : 10L0497-BLK1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 08 07:32:24 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5302.D
Acq On : 7 Dec 2010 22:04
Sample : 10L0497-BLK1
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:39:36 2010

Vial: 2
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:38:24 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	77247	40.00	ng	0.00 88.24%
4) CI40 Naphthalene-d8	7.54	136	286141	40.00	ng	0.00 94.08%
7) CI50 Acenaphthene-d8	9.60	164	160231	40.00	ng	0.00 98.23%
10) CI60 Phenanthrene-d10	11.20	188	265650	40.00	ng	0.00 96.18%
12) CI70 Chrysene-d12	13.60	240	331990	40.00	ng	0.00 97.73%
13) CI75 Perylene-d12	14.81	264	364856	40.00	ng	0.00 98.83%

Target Compounds					Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	
3) E145 Acetophenone	0.00	105	0	N.D.	
5) E655 Caprolactam	0.00	113	0	N.D.	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.	
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.	
11) E510 Atrazine	0.00	200	0	N.D.	

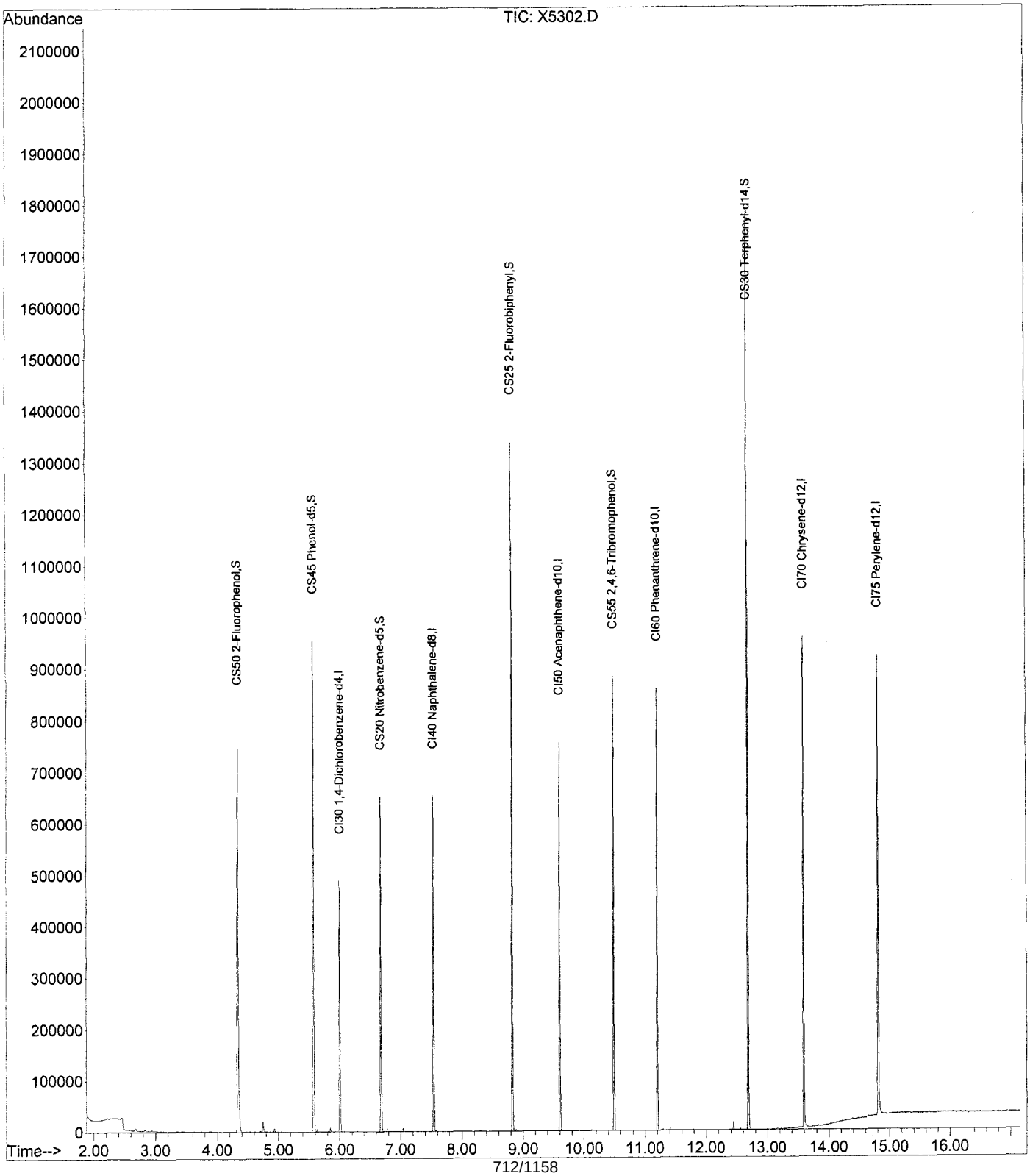
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5302.D
Acq On : 7 Dec 2010 22:04
Sample : 10L0497-BLK1
Misc :
MS Integration Params: NA

Vial: 2
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 08 07:32:24 2010 Results File: 8270_R10K083.RES
Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Tentatively Identified Compound (LSC) summary

Data File : D:\DATA\120710\X5302.D
Acq On : 7 Dec 2010 22:04
Sample : 10L0497-BLK1
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: JLGG
Inst : HP5973XX
Multiplr: 1.000

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Library : C:\DATABASE\NIST02.L

No Library Search Compounds Detected
****

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

LCS

Laboratory: TestAmerica Buffalo SDG: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid Laboratory ID: 10L0497-BS1 File ID: X5303.D

Sampled: Prepared: 12/07/10 11:00 Analyzed: 12/07/10 22:27

Solids: Preparation: 3550B MB Initial/Final: 30.64 g / 1 mL

Batch: 10L0497 Sequence: T005571 Calibration: R10K083 Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	170	U
95-95-4	2,4,5-Trichlorophenol	1	170	U
88-06-2	2,4,6-Trichlorophenol	1	170	U
120-83-2	2,4-Dichlorophenol	1	170	U
105-67-9	2,4-Dimethylphenol	1	170	U
51-28-5	2,4-Dinitrophenol	1	320	U
121-14-2	2,4-Dinitrotoluene	1	2950	
606-20-2	2,6-Dinitrotoluene	1	170	U
91-58-7	2-Chloronaphthalene	1	170	U
95-57-8	2-Chlorophenol	1	2260	
91-57-6	2-Methylnaphthalene	1	170	U
95-48-7	2-Methylphenol	1	170	U
88-74-4	2-Nitroaniline	1	320	U
88-75-5	2-Nitrophenol	1	170	U
91-94-1	3,3'-Dichlorobenzidine	1	170	U
99-09-2	3-Nitroaniline	1	320	U
534-52-1	4,6-Dinitro-2-methylphenol	1	320	U
101-55-3	4-Bromophenyl phenyl ether	1	170	U
59-50-7	4-Chloro-3-methylphenol	1	2860	
106-47-8	4-Chloroaniline	1	170	U
7005-72-3	4-Chlorophenyl phenyl ether	1	170	U
106-44-5	4-Methylphenol	1	320	U
100-01-6	4-Nitroaniline	1	320	U
100-02-7	4-Nitrophenol	1	2230	
83-32-9	Acenaphthene	1	2640	
208-96-8	Acenaphthylene	1	170	U
98-86-2	Acetophenone	1	170	U
120-12-7	Anthracene	1	170	U
1912-24-9	Atrazine	1	170	U
100-52-7	Benzaldehyde	1	170	U
56-55-3	Benzo(a)anthracene	1	170	U
50-32-8	Benzo(a)pyrene	1	170	U
205-99-2	Benzo(b)fluoranthene	1	170	U
191-24-2	Benzo(ghi)perylene	1	170	U
207-08-9	Benzo(k)fluoranthene	1	170	U
92-52-4	Biphenyl	1	170	U
111-91-1	Bis(2-chloroethoxy)methane	1	170	U
111-44-4	Bis(2-chloroethyl)ether	1	170	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	3690	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

LCS

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0497-BS1	File ID:	X5303.D
Sampled:		Prepared:	12/07/10 11:00	Analyzed:	12/07/10 22:27
Solids:		Preparation:	3550B MB	Initial/Final:	30.64 g / 1 mL

Batch: 10L0497 Sequence: T005571 Calibration: R10K083 Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	170	U
105-60-2	Caprolactam	1	170	U
86-74-8	Carbazole	1	170	U
218-01-9	Chrysene	1	170	U
53-70-3	Dibenzo(a,h)anthracene	1	170	U
132-64-9	Dibenzofuran	1	170	U
84-66-2	Diethyl phthalate	1	170	U
131-11-3	Dimethyl phthalate	1	170	U
84-74-2	Di-n-butyl phthalate	1	170	U
117-84-0	Di-n-octyl phthalate	1	170	U
206-44-0	Fluoranthene	1	30.4	J
86-73-7	Fluorene	1	3050	
118-74-1	Hexachlorobenzene	1	170	U
87-68-3	Hexachlorobutadiene	1	170	U
77-47-4	Hexachlorocyclopentadiene	1	170	U
67-72-1	Hexachloroethane	1	2100	
193-39-5	Indeno(1,2,3-cd)pyrene	1	170	U
78-59-1	Isophorone	1	170	U
91-20-3	Naphthalene	1	170	U
98-95-3	Nitrobenzene	1	170	U
621-64-7	N-Nitrosodi-n-propylamine	1	2870	
86-30-6	N-Nitrosodiphenylamine	1	170	U
87-86-5	Pentachlorophenol	1	2390	
85-01-8	Phenanthrene	1	170	U
108-95-2	Phenol	1	2310	
129-00-0	Pyrene	1	3250	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	4900	5170	106	39 - 146	
2-Fluorobiphenyl	3260	2820	86	37 - 120	
2-Fluorophenol	4900	3680	75	18 - 120	
Nitrobenzene-d5	3260	2790	85	34 - 132	
Phenol-d5	4900	4060	83	11 - 120	
p-Terphenyl-d14	3260	2960	91	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	70563	6	75436	6	
Acenaphthene-d10	151867	9.6	164135	9.6	
Chrysene-d12	305944	13.59	340849	13.6	
Naphthalene-d8	270295	7.54	283821	7.54	
Perylene-d12	354227	14.81	402421	14.81	
Phenanthrene-d10	253527	11.2	278314	11.2	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5303.D
Acq On : 7 Dec 2010 22:27
Sample : 10L0497-BS1
Misc :
MS Integration Params: NA
Quant Time: Dec 08 07:38:58 2010

Vial: 3
Operator: JLG
Inst : HP5973X
Multiplr: 1.00
Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	70563	40.00	ng	0.00 93.54%
21) CI40 Naphthalene-d8	7.54	136	270295	40.00	ng	0.00 95.23%
37) CI50 Acenaphthene-d10	9.60	164	151867	40.00	ng	0.00 92.53%
58) CI60 Phenanthrene-d10	11.20	188	253527	40.00	ng	0.00 91.09%
70) CI70 Chrysene-d12	13.59	240	305944	40.00	ng	0.00 89.76%
80) CI75 Perylene-d12	14.81	264	354227	40.00	ng	0.00 88.02%
System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.34	112	307876	112.65	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 75.10%			
6) CS45 Phenol-d5	5.58	99	409955	124.42	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 82.95%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.68	82	231123	85.39	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 85.39%			
41) CS25 2-Fluorobiphenyl	8.82	172	416397	86.46	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 86.46%			
61) CS55 2,4,6-Tribromophenol	10.49	330	105956	158.56	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 105.71%			
73) CS30 Terphenyl-d14	12.68	244	500510	90.76	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 90.76%			
Target Compounds						Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.		
3) E100 Pyridine	0.00	79	0	N.D.		
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D. d		
8) C315 Phenol	5.59	94	256917	70.86	ng	83
9) C330 2-Chlorophenol	5.75	128	179022	69.16	ng	89
10) C320 aniline	0.00	93	0	N.D.		
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.		
12) C340 1,4-Dichlorobenzene	6.03	146	184043	63.06	ng	98
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.		
15) C345 Benzyl alcohol	0.00	108	0	N.D.		
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.		
17) C355 2-Methylphenol	0.00	108	0	N.D.		
18) C375 Hexachloroethane	6.63	117	65327	64.37	ng	80
19) C370 N-Nitroso-di-n-propyl	6.51	70	158735	87.92	ng #	61
20) C365 4-Methylphenol	0.00	108	0	N.D.		
23) C410 Nitrobenzene	0.00	77	0	N.D.		
24) C415 Isophorone	0.00	82	0	N.D.		
25) C011 Tetraethyl Lead	7.22	237	39931	43.89	ng #	80
26) C430 benzoic acid	0.00	122	0	N.D.		
27) C420 2-Nitrophenol	0.00	139	0	N.D.		
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.		

Data File : D:\DATA\120710\X5303.D Vial: 3
Acq On : 7 Dec 2010 22:27 Operator: JLG
Sample : 10L0497-BS1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 08 07:38:58 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.		
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.		
31) C445 1,2,4-Trichlorobenzen	7.48	180	151971	63.64 ng		93
32) C450 Naphthalene	0.00	128	0	N.D.		
33) C455 4-Chloroaniline	0.00	127	0	N.D.		
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.		
35) C465 4-Chloro-3-methylphen	8.23	107	186296	87.51 ng		98
36) C470 2-Methylnaphthalene	0.00	142	0	N.D.		
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.	d	
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.		
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.		
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.		
43) C530 2-Nitroaniline	0.00	65	0	N.D.		
44) C540 Acenaphthylene	0.00	152	0	N.D.		
45) C535 Dimethylphthalate	0.00	163	0	N.D.		
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.		
47) C550 Acenaphthene	9.64	153	321846	80.99 ng		95
48) C545 3-Nitroaniline	0.00	138	0	N.D.		
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.		
50) C565 Dibenzofuran	0.00	168	0	N.D.	d	
51) C570 2,4-Dinitrotoluene	9.83	165	131016	90.30 ng		95
52) C560 4-Nitrophenol	9.78	109	49453	68.24 ng	#	86
53) C590 Fluorene	10.23	166	409285	93.55 ng		97
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.		
55) C580 Diethylphthalate	0.00	149	0	N.D.	d	
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.		
57) C595 4-Nitroaniline	0.00	138	0	N.D.	d	
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.		
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.		
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.		
63) C630 Hexachlorobenzene	0.00	284	0	N.D.		
64) C635 Pentachlorophenol	11.03	266	77417	73.34 ng		100
65) C640 Phenanthrene	0.00	178	0	N.D.		
66) C645 Anthracene	0.00	178	0	N.D.		
67) C647 carbazole	0.00	167	0	N.D.		
68) C650 Di-n-butylphthalate	0.00	149	0	N.D.	d	
69) C655 Fluoranthene	12.34	202	7097	0.93 ng		97
71) C715 Pyrene	12.54	202	746964	99.73 ng		94
72) C710 benzidine	0.00	184	0	N.D.		
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.		
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.		
76) C730 Benzo[a]anthracene	0.00	228	0	N.D.		
77) C735 Chrysene	0.00	228	0	N.D.		
78) C740 bis(2-Ethylhexyl)phth	13.60	149	448210	113.08 ng		95
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.		
81) C765 Benzo[b]fluoranthen	0.00	252	0	N.D.		
82) C770 Benzo[k]fluoranthen	0.00	252	0	N.D.		
83) C775 Benzo[a]pyrene	0.00	252	0	N.D.		
84) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.		
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.		
86) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.		

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5303.D
Acq On : 7 Dec 2010 22:27
Sample : 10L0497-BS1
Misc :
MS Integration Params: NA
Quant Time: Dec 08 07:38:58 2010

Vial: 3
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5303.D
Acq On : 7 Dec 2010 22:27
Sample : 10L0497-BS1
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:41:12 2010

Vial: 3
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:38:24 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	70563	40.00 ng	0.00
4) CI40 Naphthalene-d8	7.54	136	270295	40.00 ng	80.60% 0.00
7) CI50 Acenaphthene-d8	9.60	164	151867	40.00 ng	88.87% 0.00
10) CI60 Phenanthrene-d10	11.20	188	253527	40.00 ng	93.11% 0.00
12) CI70 Chrysene-d12	13.59	240	305944	40.00 ng	91.79% 0.00
13) CI75 Perylene-d12	14.81	264	354227	40.00 ng	90.06% 0.00 95.95%

Target Compounds					Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D. d	
3) E145 Acetophenone	0.00	105	0	N.D.	
5) E655 Caprolactam	0.00	113	0	N.D. d	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.	
8) C811 1,1'-Biphenyl	0.00	154	0	N.D. d	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.	
11) E510 Atrazine	0.00	200	0	N.D. d	

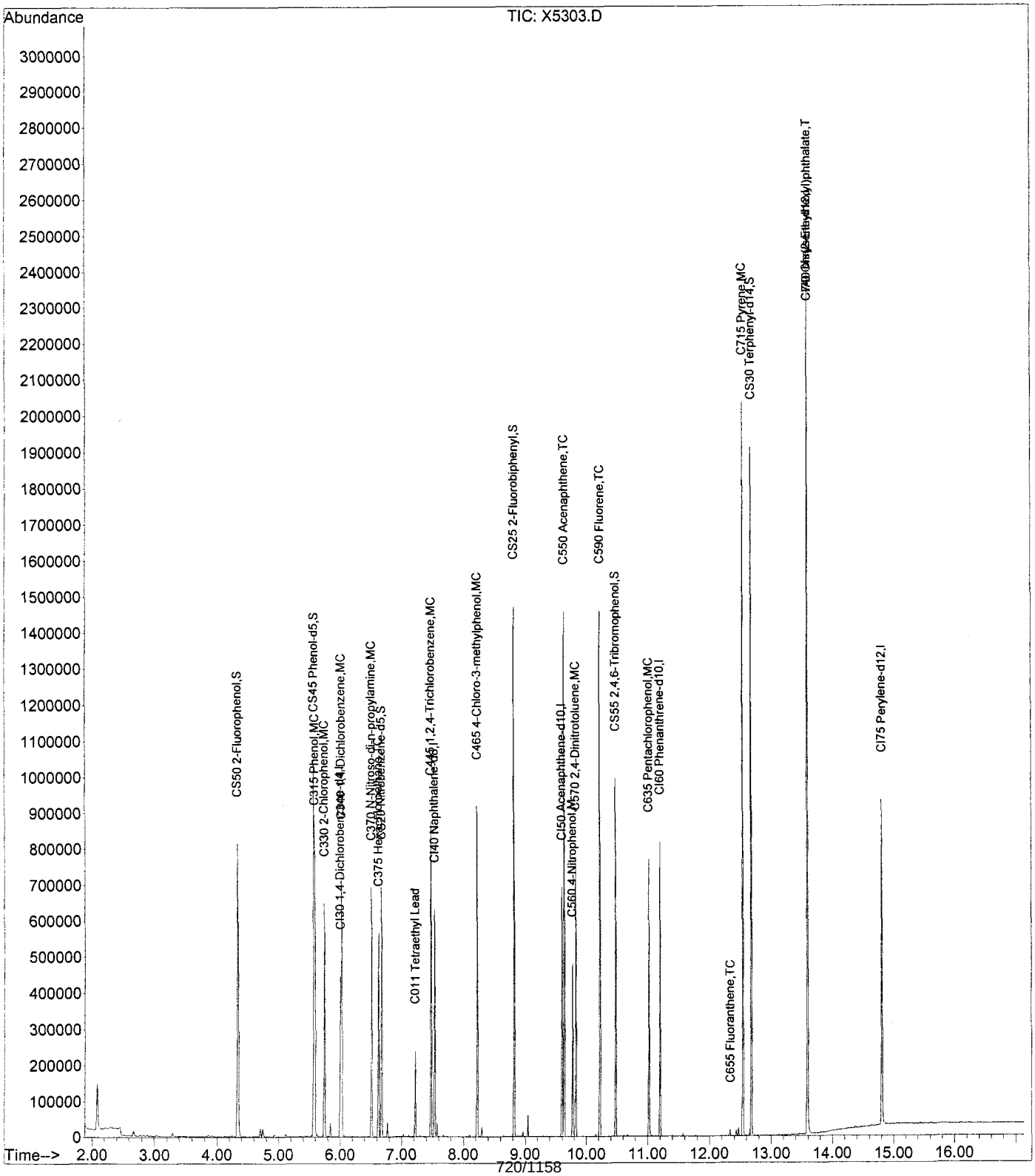
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5303.D
Acq On : 7 Dec 2010 22:27
Sample : 10L0497-BS1
Misc :
MS Integration Params: NA

Vial: 3
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Quant Time: Dec 08 07:38:58 2010 Results File: 8270_R10K083.RES
Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

Matrix Spike

Laboratory: TestAmerica Buffalo | SDG: RTL0572

Client: PARS Environmental, Inc. | Project: NF Armed Forces Reserve Center Solids Testing

Matrix: Solid | Laboratory ID: 10L0497-MS1 | File ID: X5304.D

Sampled: | Prepared: 12/07/10 11:00 | Analyzed: 12/07/10 22:50

Solids: 72.68 | Preparation: 3550B MB | Initial/Final: 30.26 g / 1 mL

Batch: 10L0497 | Sequence: T005571 | Calibration: R10K083 | Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	230	U
95-95-4	2,4,5-Trichlorophenol	1	230	U
88-06-2	2,4,6-Trichlorophenol	1	230	U
120-83-2	2,4-Dichlorophenol	1	230	U
105-67-9	2,4-Dimethylphenol	1	230	U
51-28-5	2,4-Dinitrophenol	1	450	U
121-14-2	2,4-Dinitrotoluene	1	3880	
606-20-2	2,6-Dinitrotoluene	1	230	U
91-58-7	2-Chloronaphthalene	1	230	U
95-57-8	2-Chlorophenol	1	2800	
91-57-6	2-Methylnaphthalene	1	45.5	J
95-48-7	2-Methylphenol	1	230	U
88-74-4	2-Nitroaniline	1	450	U
88-75-5	2-Nitrophenol	1	230	U
91-94-1	3,3'-Dichlorobenzidine	1	230	U
99-09-2	3-Nitroaniline	1	450	U
534-52-1	4,6-Dinitro-2-methylphenol	1	450	U
101-55-3	4-Bromophenyl phenyl ether	1	230	U
59-50-7	4-Chloro-3-methylphenol	1	3880	
106-47-8	4-Chloroaniline	1	230	U
7005-72-3	4-Chlorophenyl phenyl ether	1	230	U
106-44-5	4-Methylphenol	1	450	U
100-01-6	4-Nitroaniline	1	450	U
100-02-7	4-Nitrophenol	1	3380	
83-32-9	Acenaphthene	1	3450	
208-96-8	Acenaphthylene	1	230	U
98-86-2	Acetophenone	1	230	U
120-12-7	Anthracene	1	113	J
1912-24-9	Atrazine	1	230	U
100-52-7	Benzaldehyde	1	230	U
56-55-3	Benzo(a)anthracene	1	169	J
50-32-8	Benzo(a)pyrene	1	125	J
205-99-2	Benzo(b)fluoranthene	1	164	J
191-24-2	Benzo(ghi)perylene	1	69.6	J
207-08-9	Benzo(k)fluoranthene	1	55.5	J
92-52-4	Biphenyl	1	230	U
111-91-1	Bis(2-chloroethoxy)methane	1	230	U
111-44-4	Bis(2-chloroethyl)ether	1	230	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	4610	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

Matrix Spike

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0497-MS1	File ID:	X5304.D
Sampled:		Prepared:	12/07/10 11:00	Analyzed:	12/07/10 22:50
Solids:	72.68	Preparation:	3550B MB	Initial/Final:	30.26 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
				Instrument:	HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	230	U
105-60-2	Caprolactam	1	230	U
86-74-8	Carbazole	1	64.6	J
218-01-9	Chrysene	1	150	J
53-70-3	Dibenzo(a,h)anthracene	1	230	U
132-64-9	Dibenzofuran	1	87.8	J
84-66-2	Diethyl phthalate	1	230	U
131-11-3	Dimethyl phthalate	1	230	U
84-74-2	Di-n-butyl phthalate	1	230	U
117-84-0	Di-n-octyl phthalate	1	230	U
206-44-0	Fluoranthene	1	541	
86-73-7	Fluorene	1	4050	
118-74-1	Hexachlorobenzene	1	230	U
87-68-3	Hexachlorobutadiene	1	230	U
77-47-4	Hexachlorocyclopentadiene	1	230	U
67-72-1	Hexachloroethane	1	2350	
193-39-5	Indeno(1,2,3-cd)pyrene	1	66.4	J
78-59-1	Isophorone	1	230	U
91-20-3	Naphthalene	1	225	J
98-95-3	Nitrobenzene	1	230	U
621-64-7	N-Nitrosodi-n-propylamine	1	3830	
86-30-6	N-Nitrosodiphenylamine	1	230	U
87-86-5	Pentachlorophenol	1	3820	
85-01-8	Phenanthrene	1	608	
108-95-2	Phenol	1	2950	
129-00-0	Pyrene	1	4200	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6820	7100	104	39 - 146	
2-Fluorobiphenyl	4550	3580	79	37 - 120	
2-Fluorophenol	6820	4140	61	18 - 120	
Nitrobenzene-d5	4550	3240	71	34 - 132	
Phenol-d5	6820	4660	68	11 - 120	
p-Terphenyl-d14	4550	3880	85	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	75720	6	75436	6	
Acenaphthene-d10	164038	9.6	164135	9.6	
Chrysene-d12	340606	13.59	340849	13.6	
Naphthalene-d8	287941	7.54	283821	7.54	
Perylene-d12	398047	14.81	402421	14.81	
Phenanthrene-d10	274545	11.2	278314	11.2	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5304.D
Acq On : 7 Dec 2010 22:50
Sample : 10L0497-MS1
Misc :
MS Integration Params: NA
Quant Time: Dec 09 00:50:28 2010

Vial: 4
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	75720	40.00	ng	0.00 100.38%
21) CI40 Naphthalene-d8	7.54	136	287941	40.00	ng	0.00 101.45%
37) CI50 Acenaphthene-d10	9.60	164	164038	40.00	ng	0.00 99.94%
58) CI60 Phenanthrene-d10	11.20	188	274545	40.00	ng	0.00 98.65%
70) CI70 Chrysene-d12	13.59	240	340606	40.00	ng	0.00 99.93%
80) CI75 Perylene-d12	14.81	264	398047	40.00	ng	0.00 98.91%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	4.34	112	267130	91.09	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 60.73%			
6) CS45 Phenol-d5	5.58	99	362497	102.52	ng	0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 68.35%			
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%			
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%			
22) CS20 Nitrobenzene-d5	6.68	82	205679	71.34	ng	0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 71.34%			
41) CS25 2-Fluorobiphenyl	8.82	172	409689	78.76	ng	0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 78.76%			
61) CS55 2,4,6-Tribromophenol	10.49	330	113072	156.26	ng	0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 104.17%			
73) CS30 Terphenyl-d14	12.68	244	523632	85.29	ng	0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 85.29%			

Target Compounds						Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.		
3) E100 Pyridine	0.00	79	0	N.D.		
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D. d		
(8) C315 Phenol	5.59	94	252256	64.84	ng	83
(9) C330 2-Chlorophenol	5.75	128	171178	61.62	ng	89
10) C320 aniline	0.00	93	0	N.D.		
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.		
(12) C340 1,4-Dichlorobenzene	6.03	146	162600	51.92	ng	98
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.		
15) C345 Benzyl alcohol	0.00	108	0	N.D.		
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.		
17) C355 2-Methylphenol	0.00	108	0	N.D.		
(18) C375 Hexachloroethane	6.63	117	56321	51.72	ng	82
(19) C370 N-Nitroso-di-n-propyl	6.51	70	163384	84.33	ng #	61
20) C365 4-Methylphenol	0.00	108	0	N.D.		
23) C410 Nitrobenzene	0.00	77	0	N.D.		
24) C415 Isophorone	0.00	82	0	N.D.		
(25) C011 Tetraethyl Lead	7.22	237	39628	40.89	ng #	81
26) C430 benzoic acid	0.00	122	0	N.D.		
27) C420 2-Nitrophenol	0.00	139	0	N.D.		
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.		

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5304.D
Acq On : 7 Dec 2010 22:50
Sample : 10L0497-MS1
Misc :
MS Integration Params: NA
Quant Time: Dec 09 00:50:28 2010

Vial: 4
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.		
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.		
31) C445 1,2,4-Trichlorobenzen	7.48	180	142054	55.84 ng		93
32) C450 Naphthalene	7.56	128	36081	4.94 ng		98
33) C455 4-Chloroaniline	0.00	127	0	N.D. d		
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.		
35) C465 4-Chloro-3-methylphen	8.23	107	193374	85.27 ng		98
36) C470 2-Methylnaphthalene	8.39	142	4671	1.00 ng		100
38) C510 Hexachlorocyclopent	0.00	237	0	N.D. d		
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.		
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.		
42) C525 2-Chloronaphthalene	0.00	162	0	N.D. d		
43) C530 2-Nitroaniline	0.00	65	0	N.D.		
44) C540 Acenaphthylene	0.00	152	0	N.D.		
45) C535 Dimethylphthalate	0.00	163	0	N.D.		
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.		
47) C550 Acenaphthene	9.64	153	325412	75.81 ng		96
48) C545 3-Nitroaniline	0.00	138	0	N.D.		
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.		
50) C565 Dibenzofuran	9.84	168	12286	1.93 ng		90
51) C570 2,4-Dinitrotoluene	9.83	165	133661	85.28 ng		94
52) C560 4-Nitrophenol	9.78	109	58354	74.24 ng	#	77
53) C590 Fluorene	10.23	166	420761	89.03 ng		98
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.		
55) C580 Diethylphthalate	0.00	149	0	N.D. d		
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.		
57) C595 4-Nitroaniline	0.00	138	0	N.D. d		
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.		
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.		
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.		
63) C630 Hexachlorobenzene	0.00	284	0	N.D.		
64) C635 Pentachlorophenol	11.03	266	96384	84.10 ng		98
65) C640 Phenanthrene	11.22	178	95343	13.38 ng		99
66) C645 Anthracene	11.27	178	17483	2.48 ng		98
67) C647 carbazole	11.43	167	9204	1.42 ng	#	60
68) C650 Di-n-butylphthalate	0.00	149	0	N.D. d		
69) C655 Fluoranthene	12.34	202	98623	11.89 ng		93
71) C715 Pyrene	12.54	202	769528	92.29 ng		94
72) C710 benzidine	0.00	184	0	N.D.		
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.		
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.		
76) C730 Benzo[a]anthracene	13.58	228	31176	3.72 ng		99
77) C735 Chrysene	13.61	228	29173	3.29 ng		97
78) C740 bis(2-Ethylhexyl)phth	13.60	149	447007	101.30 ng		97
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.		
81) C765 Benzo[b]fluoranthene	14.48	252	35855m	3.60 ng		96
82) C770 Benzo[k]fluoranthene	14.49	252	12195m	1.22 ng		96
83) C775 Benzo[a]pyrene	14.75	252	23365	2.75 ng		93
84) C780 Indeno[1,2,3-cd]pyren	15.81	276	16320	1.46 ng		99
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D. d		
86) C790 Benzo[g,h,i]perylene	16.11	276	14705	1.53 ng		94

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5304.D Vial: 4
Acq On : 7 Dec 2010 22:50 Operator: JLG
Sample : 10L0497-MS1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 00:50:28 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5304.D
Acq On : 7 Dec 2010 22:50
Sample : 10L0497-MS1
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:41:25 2010

Vial: 4
Operator: JLG
Inst : HP5973X
Multiplr: 1.00
Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:38:24 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	75720	40.00	ng	0.00 86.49%
4) CI40 Naphthalene-d8	0.00	136	0m	40.00	ng	-7.54 0.00%
7) CI50 Acenaphthene-d8	9.60	164	164038	40.00	ng	0.00 100.57%
10) CI60 Phenanthrene-d10	11.20	188	274545	40.00	ng	0.00 99.40%
12) CI70 Chrysene-d12	13.59	240	340606	40.00	ng	0.00 100.26%
13) CI75 Perylene-d12	14.81	264	398047	40.00	ng	0.00 107.82%

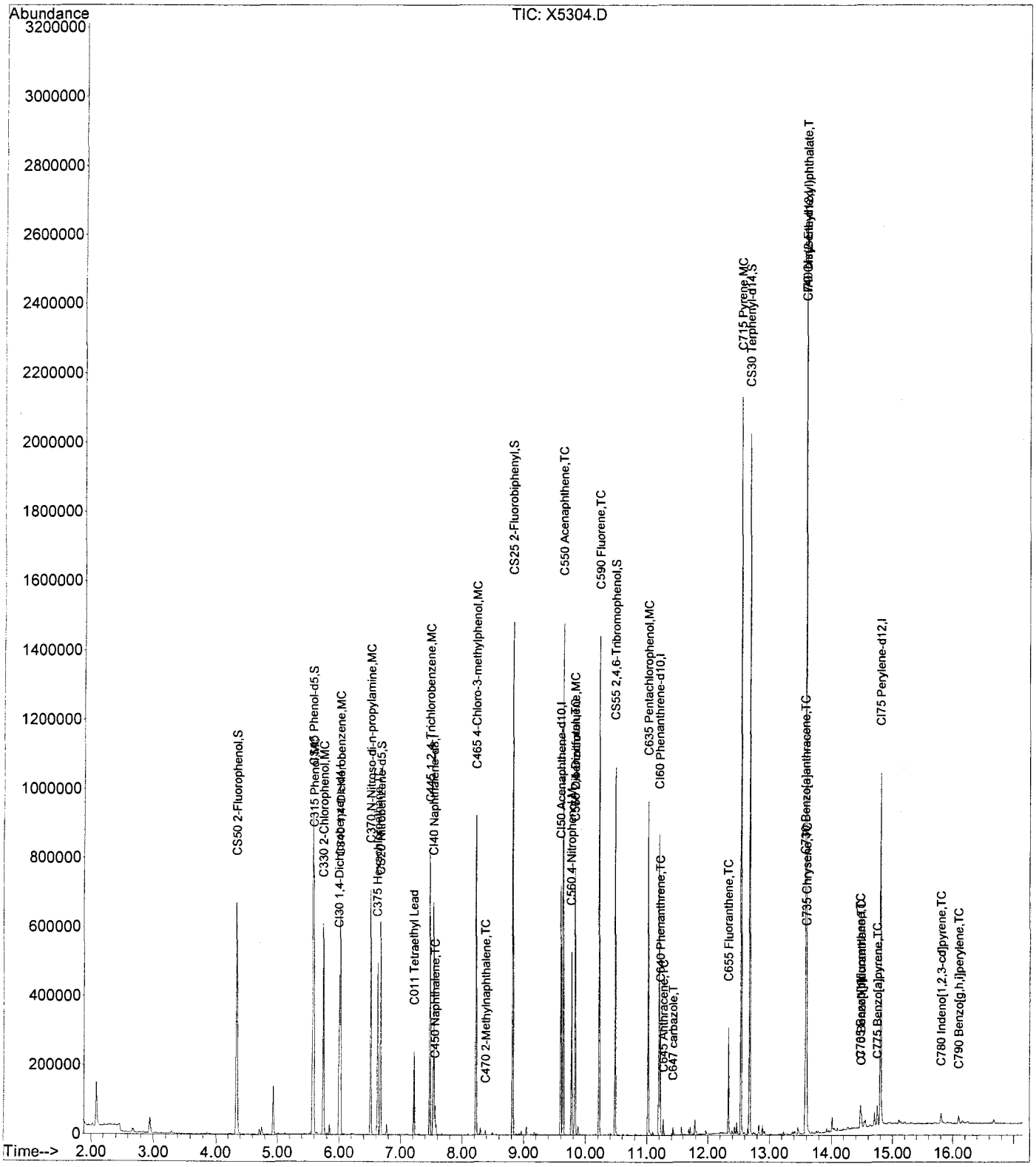
Target Compounds						Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	d	
~~3) E145 Acetophenone~~	~~5.81~~	~~105~~	~~2192~~	~~0.62~~	~~ng~~	~~# 18~~
5) E655 Caprolactam	0.00	113	0	N.D.	d	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.		
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	d	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.		
11) E510 Atrazine	0.00	200	0	N.D.	d	

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5304.D Vial: 4
Acq On : 7 Dec 2010 22:50 Operator: JLG
Sample : 10L0497-MS1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA

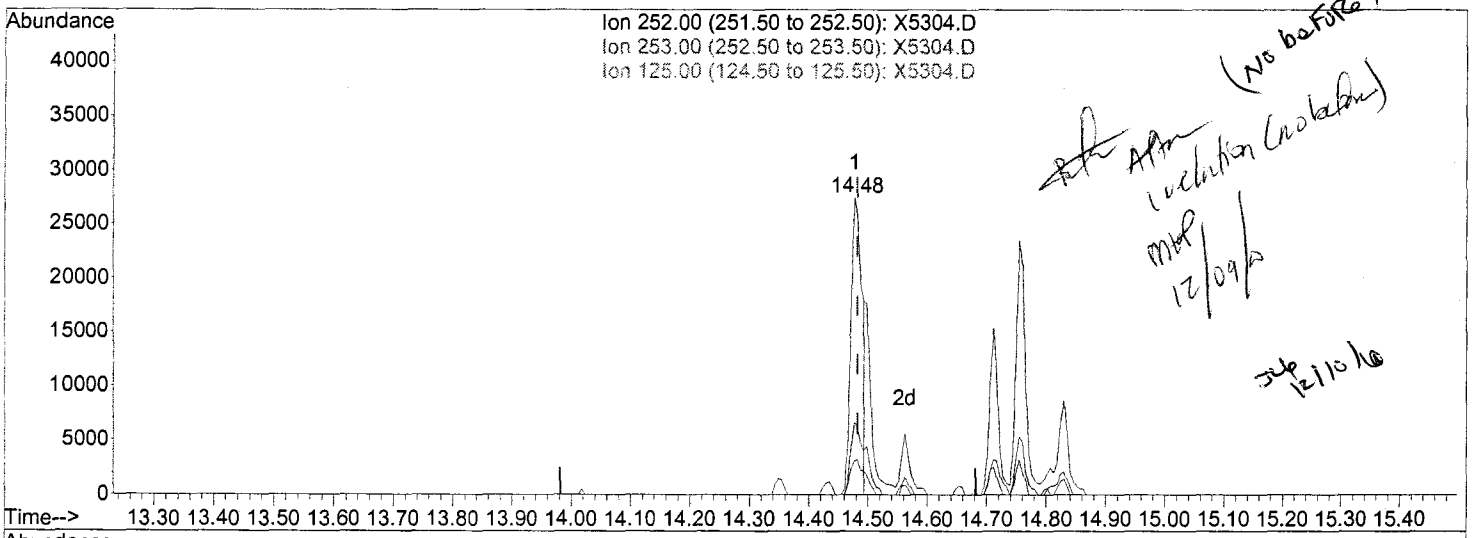
Quant Time: Dec 09 00:50:28 2010 Results File: 8270_R10K083.RES
Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP

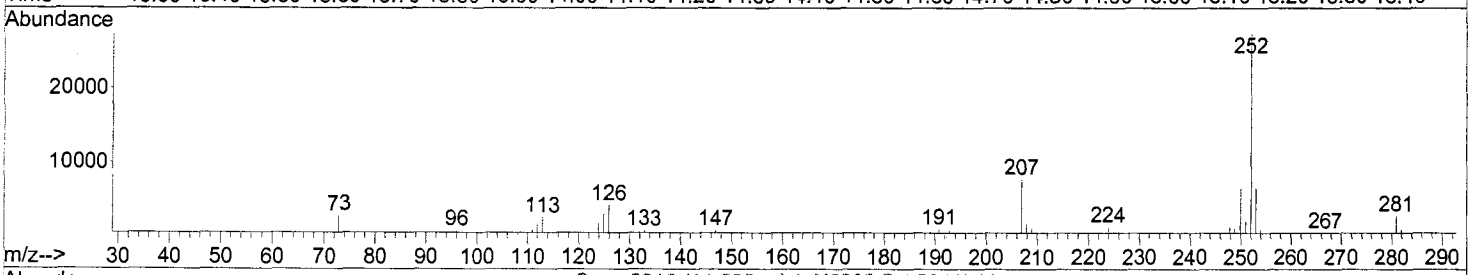


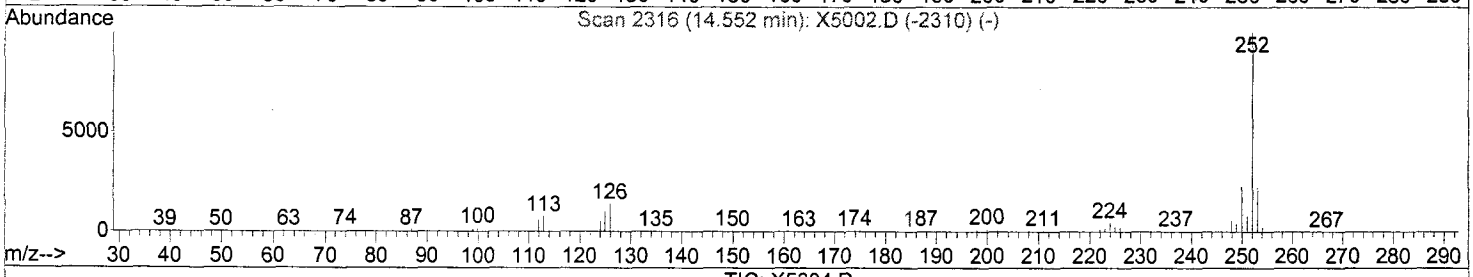
Quantitation Report (Qedit)

Data Path : D:\DATA\120710\
Data File : X5304.D
Acq On : 7 Dec 2010 22:50
Operator : JLG
Sample : 10L0497-MS1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 00:50:28 2010
Quant Title :
QLast Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration







TIC: X5304.D

(81) C765 Benzo[b]fluoranthene (TC)

14.48min (-0.005) 3.60ng m

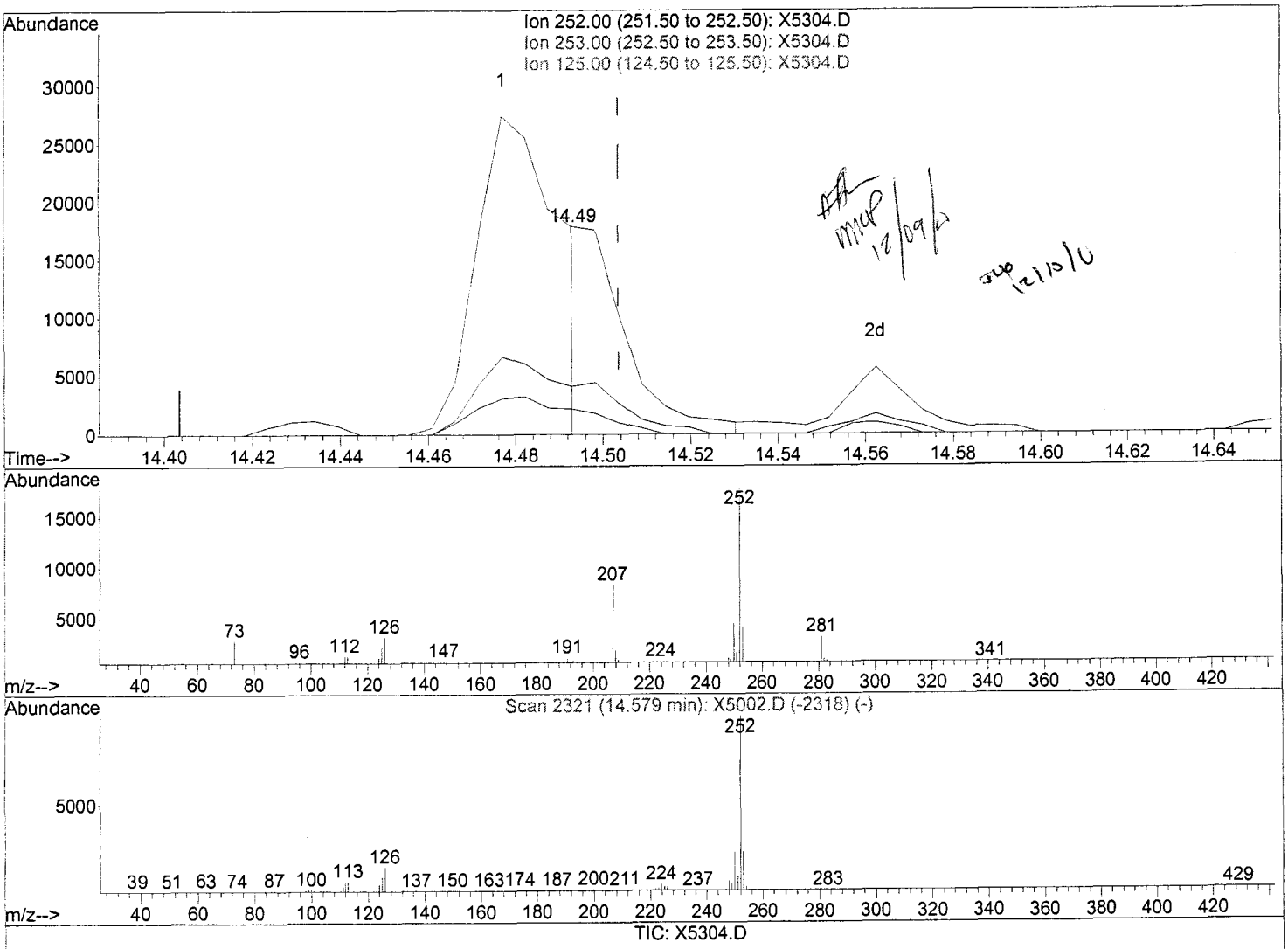
response 35855

Ion	Exp%	Act%
252.00	100	100
253.00	21.10	24.08
125.00	11.00	11.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\DATA\120710\
Data File : X5304.D
Acq On : 7 Dec 2010 22:50
Operator : JLG
Sample : 10L0497-MS1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 00:50:28 2010
Quant Title :
QLast Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration



TIC: X5304.D

(82) C770 Benzo[k]fluoranthene (TC)

14.49min (-0.011) 1.22ng m

response 12195

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	22.71
125.00	11.50	12.02
0.00	0.00	0.00

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

Matrix Spike Dup

Laboratory:	TestAmerica Buffalo		SDG:	RTL0572	
Client:	PARS Environmental, Inc.		Project:	NF Armed Forces Reserve Center Solids Testing	
Matrix:	Solid	Laboratory ID:	10L0497-MSD1	File ID:	X5305.D
Sampled:		Prepared:	12/07/10 11:00	Analyzed:	12/07/10 23:13
Solids:	72.68	Preparation:	3550B MB	Initial/Final:	30.31 g / 1 mL
Batch:	10L0497	Sequence: T005571	Calibration:	R10K083	Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	230	U
95-95-4	2,4,5-Trichlorophenol	1	230	U
88-06-2	2,4,6-Trichlorophenol	1	230	U
120-83-2	2,4-Dichlorophenol	1	230	U
105-67-9	2,4-Dimethylphenol	1	230	U
51-28-5	2,4-Dinitrophenol	1	450	U
121-14-2	2,4-Dinitrotoluene	1	3430	
606-20-2	2,6-Dinitrotoluene	1	230	U
91-58-7	2-Chloronaphthalene	1	230	U
95-57-8	2-Chlorophenol	1	2520	
91-57-6	2-Methylnaphthalene	1	230	U
95-48-7	2-Methylphenol	1	230	U
88-74-4	2-Nitroaniline	1	450	U
88-75-5	2-Nitrophenol	1	230	U
91-94-1	3,3'-Dichlorobenzidine	1	230	U
99-09-2	3-Nitroaniline	1	450	U
534-52-1	4,6-Dinitro-2-methylphenol	1	450	U
101-55-3	4-Bromophenyl phenyl ether	1	230	U
59-50-7	4-Chloro-3-methylphenol	1	3230	
106-47-8	4-Chloroaniline	1	230	U
7005-72-3	4-Chlorophenyl phenyl ether	1	230	U
106-44-5	4-Methylphenol	1	450	U
100-01-6	4-Nitroaniline	1	450	U
100-02-7	4-Nitrophenol	1	2970	
83-32-9	Acenaphthene	1	3010	
208-96-8	Acenaphthylene	1	230	U
98-86-2	Acetophenone	1	230	U
120-12-7	Anthracene	1	56.3	J
1912-24-9	Atrazine	1	230	U
100-52-7	Benzaldehyde	1	230	U
56-55-3	Benzo(a)anthracene	1	81.3	J
50-32-8	Benzo(a)pyrene	1	62.2	J
205-99-2	Benzo(b)fluoranthene	1	61.7	J
191-24-2	Benzo(ghi)perylene	1	26.8	J
207-08-9	Benzo(k)fluoranthene	1	35.9	J
92-52-4	Biphenyl	1	230	U
111-91-1	Bis(2-chloroethoxy)methane	1	230	U
111-44-4	Bis(2-chloroethyl)ether	1	230	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	4250	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

Matrix Spike Dup

Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0497-MSD1	File ID:	X5305.D
Sampled:		Prepared:	12/07/10 11:00	Analyzed:	12/07/10 23:13
Solids:	72.68	Preparation:	3550B MB	Initial/Final:	30.31 g / 1 mL
Batch:	10L0497	Sequence:	T005571	Calibration:	R10K083
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	230	U
105-60-2	Caprolactam	1	230	U
86-74-8	Carbazole	1	23.1	J
218-01-9	Chrysene	1	64.9	J
53-70-3	Dibenzo(a,h)anthracene	1	230	U
132-64-9	Dibenzofuran	1	230	U
84-66-2	Diethyl phthalate	1	230	U
131-11-3	Dimethyl phthalate	1	230	U
84-74-2	Di-n-butyl phthalate	1	230	U
117-84-0	Di-n-octyl phthalate	1	230	U
206-44-0	Fluoranthene	1	210	J
86-73-7	Fluorene	1	3530	
118-74-1	Hexachlorobenzene	1	230	U
87-68-3	Hexachlorobutadiene	1	230	U
77-47-4	Hexachlorocyclopentadiene	1	230	U
67-72-1	Hexachloroethane	1	2350	
193-39-5	Indeno(1,2,3-cd)pyrene	1	24.5	J
78-59-1	Isophorone	1	230	U
91-20-3	Naphthalene	1	341	
98-95-3	Nitrobenzene	1	230	U
621-64-7	N-Nitrosodi-n-propylamine	1	3030	
86-30-6	N-Nitrosodiphenylamine	1	230	U
87-86-5	Pentachlorophenol	1	3340	
85-01-8	Phenanthrene	1	188	J
108-95-2	Phenol	1	2610	
129-00-0	Pyrene	1	3730	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6810	5960	88	39 - 146	
2-Fluorobiphenyl	4540	2890	64	37 - 120	
2-Fluorophenol	6810	3700	54	18 - 120	
Nitrobenzene-d5	4540	2760	61	34 - 132	
Phenol-d5	6810	4050	59	11 - 120	
p-Terphenyl-d14	4540	3350	74	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	77450	6	75436	6	
Acenaphthene-d10	163598	9.6	164135	9.6	
Chrysene-d12	344765	13.59	340849	13.6	
Naphthalene-d8	290520	7.54	283821	7.54	
Perylene-d12	409036	14.81	402421	14.81	
Phenanthrene-d10	275960	11.2	278314	11.2	

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5305.D
Acq On : 7 Dec 2010 23:13
Sample : 10L0497-MSD1
Misc :
MS Integration Params: NA
Quant Time: Dec 09 00:51:19 2010

Vial: 5
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	77450	40.00	ng		0.00 102.67%
21) CI40 Naphthalene-d8	7.54	136	290520	40.00	ng		0.00 102.36%
37) CI50 Acenaphthene-d10	9.60	164	163598	40.00	ng		0.00 99.67%
58) CI60 Phenanthrene-d10	11.20	188	275960	40.00	ng		0.00 99.15%
70) CI70 Chrysene-d12	13.59	240	344765	40.00	ng		0.00 101.15%
80) CI75 Perylene-d12	14.81	264	409036	40.00	ng		0.00 101.64%
System Monitoring Compounds							
4) CS50 2-Fluorophenol	4.34	112	244222	81.41	ng		0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 54.27%				
6) CS45 Phenol-d5	5.58	99	322600	89.20	ng		0.00
Spiked Amount 150.000	Range 0 - 110		Recovery = 59.47%				
7) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng		
Spiked Amount 150.000	Range 0 - 110		Recovery = 0.00%				
13) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng		
Spiked Amount 100.000	Range 0 - 110		Recovery = 0.00%				
22) CS20 Nitrobenzene-d5	6.68	82	176802	60.78	ng		0.00
Spiked Amount 100.000	Range 0 - 114		Recovery = 60.78%				
41) CS25 2-Fluorobiphenyl	8.82	172	330122	63.63	ng		0.00
Spiked Amount 100.000	Range 0 - 116		Recovery = 63.63%				
61) CS55 2,4,6-Tribromophenol	10.49	330	95510	131.31	ng		0.00
Spiked Amount 150.000	Range 0 - 123		Recovery = 87.54%				
73) CS30 Terphenyl-d14	12.68	244	458287	73.75	ng		0.00
Spiked Amount 100.000	Range 0 - 141		Recovery = 73.75%				
Target Compounds							Qvalue
2) C705 n-nitrosodidimethyl	0.00	74	0	N.D.			
3) E100 Pyridine	0.00	79	0	N.D.			
5) C325 bis(2-Chloroethyl)e	0.00	93	0	N.D.	d		
8) C315 Phenol	5.59	94	228467	57.41	ng		81
9) C330 2-Chlorophenol	5.75	128	157530	55.44	ng		88
10) C320 aniline	0.00	93	0	N.D.			
11) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.			
12) C340 1,4-Dichlorobenzene	6.03	146	162628	50.77	ng		99
14) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.			
15) C345 Benzyl alcohol	0.00	108	0	N.D.			
16) C360 bis(2-chloroisoprop	0.00	45	0	N.D.			
17) C355 2-Methylphenol	0.00	108	0	N.D.			
18) C375 Hexachloroethane	6.63	117	57782	51.87	ng		82
19) C370 N-Nitroso-di-n-propyl	6.51	70	132457	66.84	ng	#	60
20) C365 4-Methylphenol	0.00	108	0	N.D.			
23) C410 Nitrobenzene	0.00	77	0	N.D.			
24) C415 Isophorone	0.00	82	0	N.D.			
25) C011 Tetraethyl Lead	7.22	237	43383	44.37	ng	#	81
26) C430 benzoic acid	0.00	122	0	N.D.			
27) C420 2-Nitrophenol	0.00	139	0	N.D.			
28) C425 2,4-Dimethylphenol	0.00	107	0	N.D.			

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5305.D Vial: 5
Acq On : 7 Dec 2010 23:13 Operator: JLG
Sample : 10L0497-MSD1 Inst : HP5973X
Misc : Multiplr: 1.00
MS Integration Params: NA
Quant Time: Dec 09 00:51:19 2010 Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
29) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.			
30) C440 2,4-Dichlorophenol	0.00	162	0	N.D.			
31) C445 1,2,4-Trichlorobenzen	7.48	180	133043	51.84	ng		94
32) C450 Naphthalene	7.56	128	55387	7.51	ng		99
33) C455 4-Chloroaniline	0.00	127	0	N.D.	d		
34) C460 Hexachlorobutadiene	0.00	225	0	N.D.			
35) C465 4-Chloro-3-methylphen	8.23	107	162617	71.07	ng		98
36) C470 2-Methylnaphthalene	8.39	142	2203	N.D.			
38) C510 Hexachlorocyclopent	0.00	237	0	N.D.	d		
39) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.			
40) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.			
42) C525 2-Chloronaphthalene	0.00	162	0	N.D.			
43) C530 2-Nitroaniline	0.00	65	0	N.D.			
44) C540 Acenaphthylene	0.00	152	0	N.D.			
45) C535 Dimethylphthalate	0.00	163	0	N.D.			
46) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.			
47) C550 Acenaphthene	9.64	153	284071	66.36	ng		95
48) C545 3-Nitroaniline	0.00	138	0	N.D.			
49) C555 2,4-Dinitrophenol	0.00	184	0	N.D.			
50) C565 Dibenzofuran	9.84	168	2692	N.D.			
51) C570 2,4-Dinitrotoluene	9.83	165	118023	75.51	ng		97
52) C560 4-Nitrophenol	9.78	109	50984	65.44	ng	#	85
53) C590 Fluorene	10.22	166	366854	77.84	ng		96
54) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.			
55) C580 Diethylphthalate	0.00	149	0	N.D.			
56) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.			
57) C595 4-Nitroaniline	0.00	138	0	N.D.	d		
59) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.			
60) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.			
62) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.			
63) C630 Hexachlorobenzene	0.00	284	0	N.D.			
64) C635 Pentachlorophenol	11.03	266	84589	73.61	ng		99
65) C640 Phenanthrene	11.22	178	29730	4.15	ng		100
66) C645 Anthracene	11.27	178	8802	1.24	ng		98
67) C647 carbazole	11.43	167	3330	0.51	ng	#	60
68) C650 Di-n-butylphthalate	11.78	149	2015	N.D.			
69) C655 Fluoranthene	12.34	202	38576	4.63	ng		94
71) C715 Pyrene	12.54	202	693937	82.22	ng		93
72) C710 benzidine	0.00	184	0	N.D.			
74) C720 Butylbenzylphthalat	0.00	149	0	N.D.			
75) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.			
76) C730 Benzo[a]anthracene	13.58	228	15179	1.79	ng		98
77) C735 Chrysene	13.61	228	12857	1.43	ng		97
78) C740 bis(2-Ethylhexyl)phth	13.60	149	418528	93.70	ng		97
79) C760 Di-n-octylphthalate	0.00	149	0	N.D.			
81) C765 Benzo[b]fluoranthene	14.48	252	13948m	1.36	ng		96
82) C770 Benzo[k]fluoranthene	14.49	252	8163m	0.79	ng		97
83) C775 Benzo[a]pyrene	14.75	252	11936	1.37	ng		89
84) C780 Indeno[1,2,3-cd]pyren	15.82	276	6232	0.54	ng		84
85) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.			
86) C790 Benzo[g,h,i]perylene	16.11	276	5838	0.59	ng		93

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5305.D
Acq On : 7 Dec 2010 23:13
Sample : 10L0497-MSD1
Misc :
MS Integration Params: NA
Quant Time: Dec 09 00:51:19 2010

Vial: 5
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: 8270_R10K083.RES

Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5298.D (7 Dec 2010 20:12)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5305.D
Acq On : 7 Dec 2010 23:13
Sample : 10L0497-MSD1
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 09 12:41:33 2010

Vial: 5
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

Results File: TCLADD_...K083.RES

Quant Method : C:\MSDCHEM\1...\TCLADD_R10K083.M (RTE Integrator)
Title : OLM4.0 ADDS
Last Update : Thu Dec 09 12:38:24 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP
IS QA File : D:\DATA\120710\X5299.D (7 Dec 2010 20:35)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.00	152	77450	40.00	ng	0.00 88.47%
4) CI40 Naphthalene-d8	7.54	136	290520	40.00	ng	0.00 95.52%
7) CI50 Acenaphthene-d8	9.60	164	163598	40.00	ng	0.00 100.30%
10) CI60 Phenanthrene-d10	11.20	188	275960	40.00	ng	0.00 99.91%
12) CI70 Chrysene-d12	13.59	240	344765	40.00	ng	0.00 101.49%
13) CI75 Perylene-d12	14.81	264	409036	40.00	ng	0.00 110.80%
Target Compounds						Qvalue
2) E600 Benzaldehyde	0.00	77	0	N.D.	d	
3) E145 Acetophenone	0.00	105	0	N.D.		
5) E655 Caprolactam	0.00	113	0	N.D.	d	
6) E195 1,2,4,5-Tetrachloro	0.00	216	0	N.D.		
8) C811 1,1'-Biphenyl	0.00	154	0	N.D.	d	
9) E230 2,3,4,6-Tetrachloro	0.00	232	0	N.D.		
11) E510 Atrazine	0.00	200	0	N.D.	d	

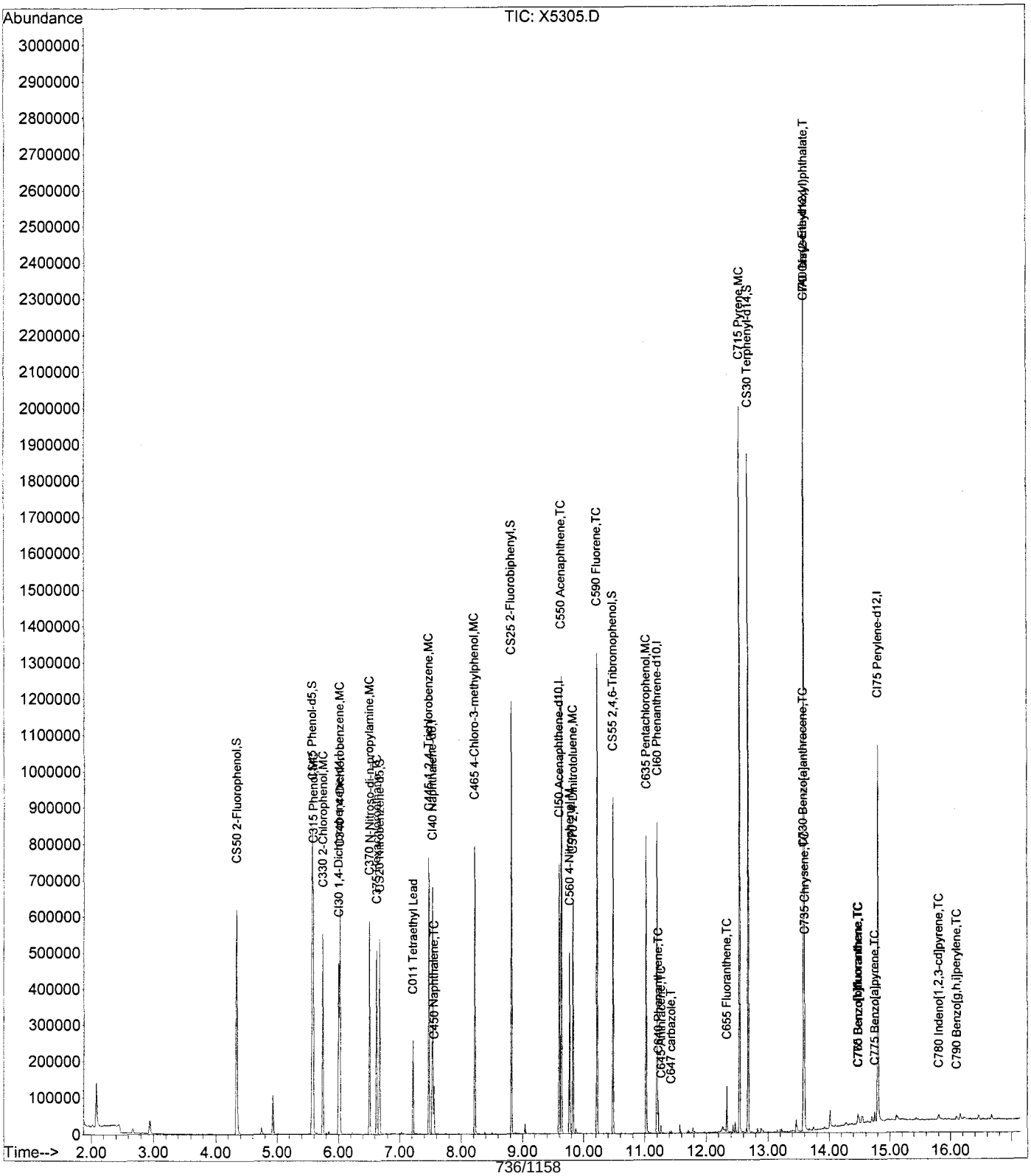
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\DATA\120710\X5305.D
Acq On : 7 Dec 2010 23:13
Sample : 10L0497-MSD1
Misc :
MS Integration Params: NA

Vial: 5
Operator: JLG
Inst : HP5973X
Multiplr: 1.00

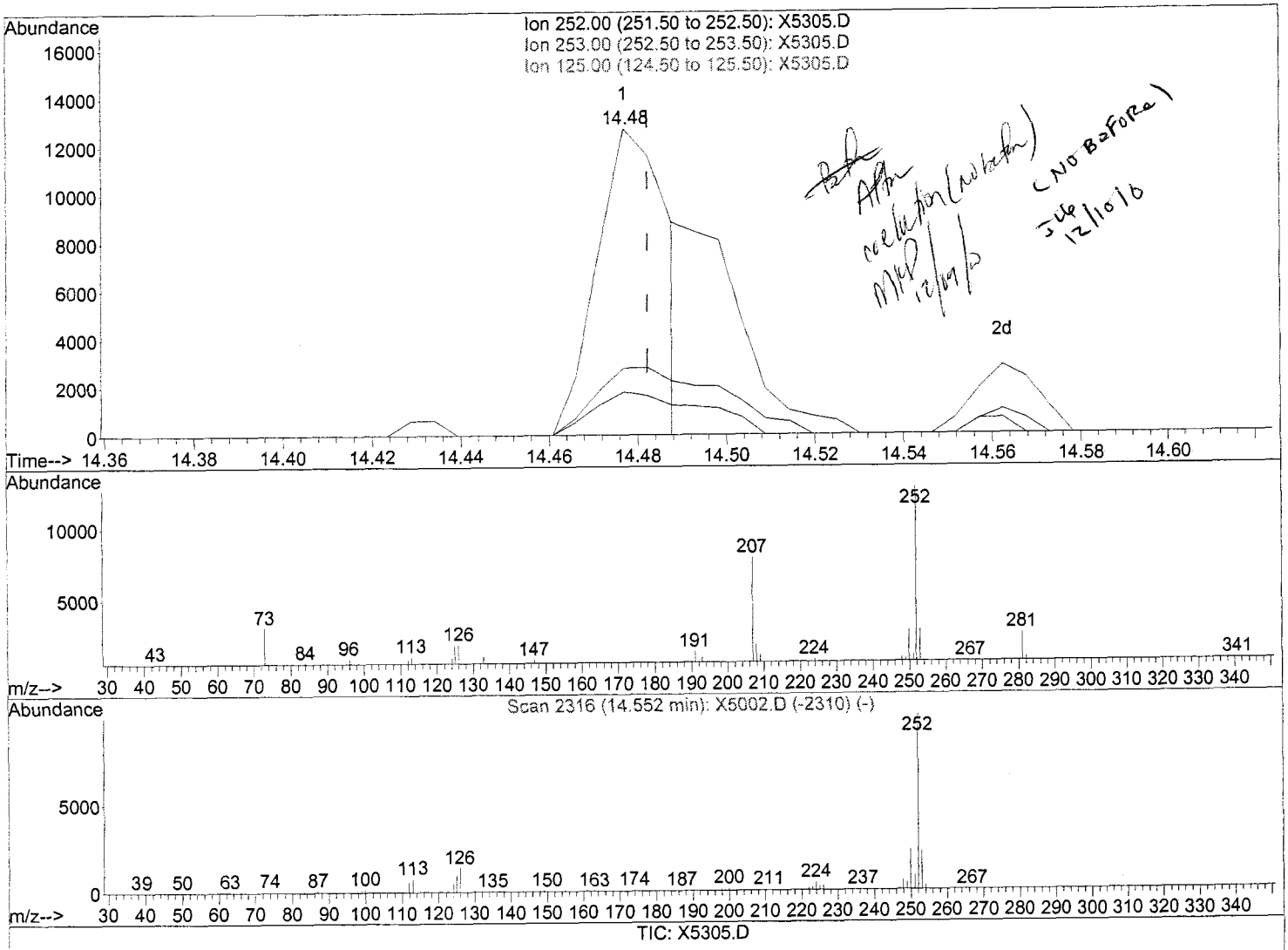
Quant Time: Dec 09 00:51:19 2010 Results File: 8270_R10K083.RES
Method : C:\MSDCHEM\1\MET...0\8270_R10K083.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration
DataAcq Meth : 8270BP



Quantitation Report (Qedit)

Data Path : D:\DATA\120710\
Data File : X5305.D
Acq On : 7 Dec 2010 23:13
Operator : JLG
Sample : 10L0497-MSD1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 00:51:19 2010
Quant Title :
QLast Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration



TIC: X5305.D

(81) C765 Benzo[b]fluoranthene (TC)

14.48min (-0.005) 1.36ng m

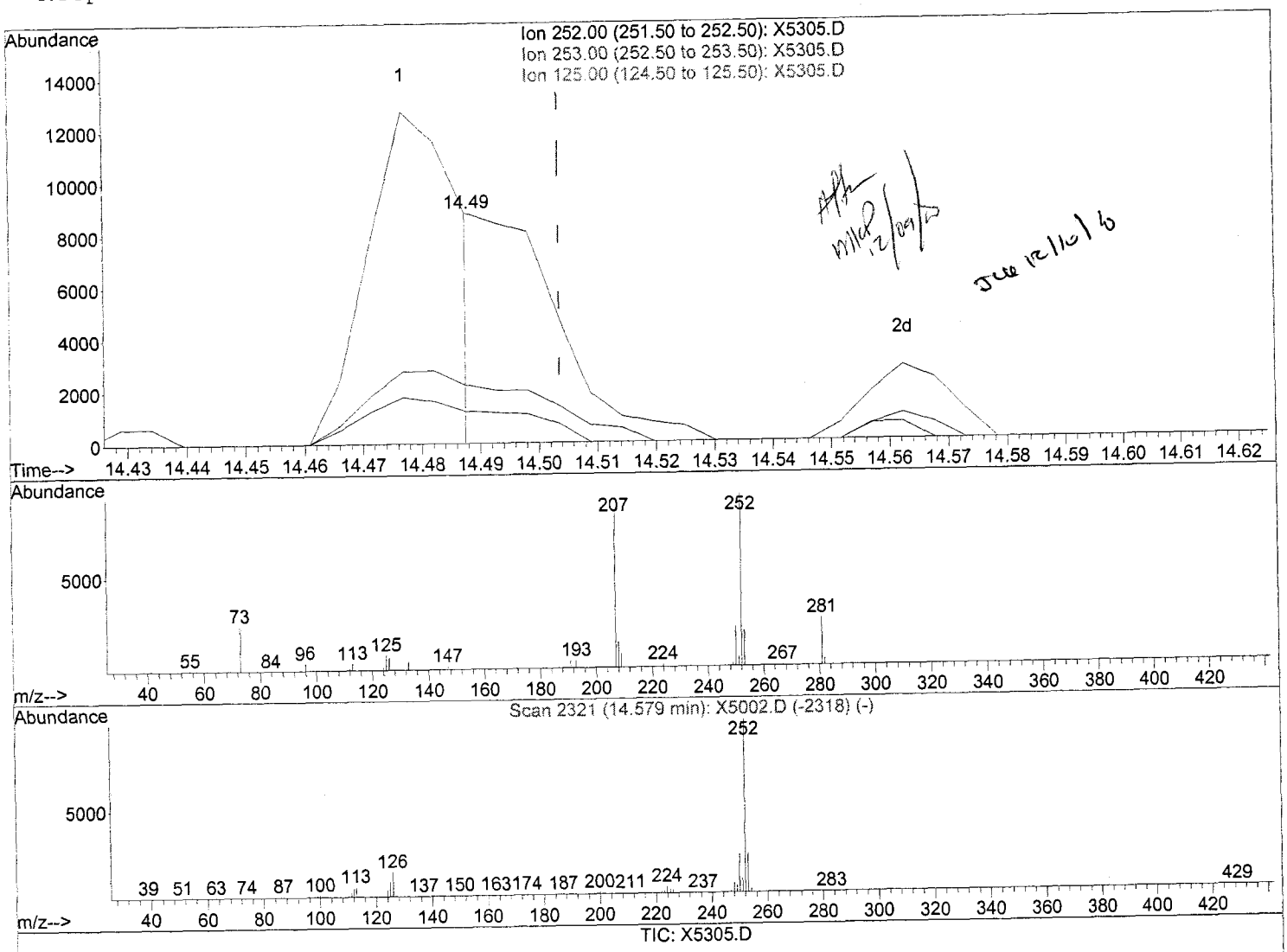
response 13948

Ion	Exp%	Act%
252.00	100	100
253.00	21.10	21.73
125.00	11.00	13.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\DATA\120710\
Data File : X5305.D
Acq On : 7 Dec 2010 23:13
Operator : JLG
Sample : 10L0497-MSD1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 00:51:19 2010
Quant Title :
QLast Update : Thu Dec 09 07:14:45 2010
Response via : Initial Calibration



TIC: X5305.D

(82) C770 Benzo[k]fluoranthene (TC)

14.49min (-0.016) 0.79ng m

response 8163

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	25.24
125.00	11.50	13.86
0.00	0.00	0.00

HOLDING TIME SUMMARY

8270C

Laboratory: TestAmerica Buffalo SDG: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SP-1-5-7	12/06/10 09:05	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 10:24	1	40	
SP-1-5-7	12/06/10 09:05	12/06/10 17:15	12/07/10 11:00	1	14	12/08/10 10:24	1	40	
SP-2-6-8	12/06/10 09:40	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 10:46	1	40	
SP-3-4-6	12/06/10 10:10	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 11:09	1	40	
SP-4-2-4	12/06/10 10:40	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 11:32	1	40	
SP-5-2-4	12/06/10 11:50	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 02:17	1	40	
SP-6-2-4	12/06/10 12:20	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 11:55	1	40	
SP-7-4-6	12/06/10 12:40	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 12:18	1	40	
SP-8-4-6	12/06/10 13:00	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 03:26	1	40	
SP-9-2-4	12/06/10 13:40	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 12:41	1	40	
SP-10-2-4	12/06/10 14:15	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 13:04	1	40	
SP-11-2-4	12/06/10 14:35	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 04:35	1	40	
DUP-1	12/06/10 00:00	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 04:58	1	40	
SP-12-6-10	12/06/10 15:20	12/06/10 17:15	12/07/10 10:08	1	14	12/08/10 05:21	1	40	

* Indicates a Holding Time violation.

PREPARATION BENCH SHEET

10L0497

Surrogate used: RT11318

TestAmerica Buffalo

Matrix: Solid | **Prepared using: Extractions - 3550B MB** | **Printed: 12/7/2010 5:00:31PM**

Lab Number	Surrogate Amount	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	Lab ID Bar Code	Comments
10L0497-BLK1	1000	30.76	1			0		
10L0497-BS1	1000	30.64	1	RT11009		1000		
10L0497-MS1	1000	30.26	1	RT11009	RTL0572-13	1000		
10L0497-MSD1	1000	30.31	1	RT11009	RTL0572-13	1000		
RTL0360-01	1000	30.64	1	Color: / Bottle ID: A		Sample pH 0-4 5-7 8-12 pH Adjusted:		
8270								
RTL0571-01	1000	30.22	10	Color: / Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		TCL4.3
8270								
RTL0571-02	1000	30.86	1	Color: / Bottle ID: B		Sample pH 0-4 5-7 8-12 pH Adjusted:		TCL4.3
8270								
RTL0572-01	100	30.39	1	Color: / Bottle ID: B		Sample pH 0-4 5-7 8-12 pH Adjusted:		TCL4.3
8270	*8270 TICS*							
RTL0572-02	100	30.41	1	Color: / Bottle ID: B/C		Sample pH 0-4 5-7 8-12 pH Adjusted:		TCL4.3
8270 TICS	*8270*							
RTL0572-03	100	30.4	1	Color: / Bottle ID: B		Sample pH 0-4 5-7 8-12 pH Adjusted:		TCL4.3
8270	*8270 TICS*							
RTL0572-04	100	30.42	1	Color: / Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		TCL4.3
8270	*8270 TICS*							
RTL0572-05	100	30.3	10	Color: / Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		TCL4.3
8270 TICS	*8270*							
RTL0572-06	100	30.33	1	Color: / Bottle ID: B		Sample pH 0-4 5-7 8-12 pH Adjusted:		TCL4.3
8270	*8270 TICS*							

10/1158

PREPARATION BENCH SHEET

10L0497

Surrogate used: RT11318

TestAmerica Buffalo

Matrix: Solid | **Prepared using: Extractions - 3550B MB** | **Printed: 12/7/2010 5:00:31PM**

Lab Number	Surrogate Amount	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	Lab ID Bar Code	Comments
RTL0572-07	~~100~~ 1000	30.8	1	Color: / Bottle ID: b		Sample pH ~~0-4 5-7 8-12~~ pH Adjusted:		TCL4.3
8270	*8270 TICS*							
RTL0572-08	100	30.39	1	Color: / Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		TCL4.3
8270	*8270 TICS*							
RTL0572-09	100	30.74	1	Color: / Bottle ID: b		Sample pH 0-4 5-7 8-12 pH Adjusted: N/A		TCL4.3
8270	*8270 TICS*							
RTL0572-10	100	30.86	1	Color: / Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		TCL4.3
8270 TICS	*8270*							
RTL0572-11	100	30.83	1	Color: / Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		TCL4.3
8270	*8270 TICS*							
RTL0572-12	100	30.12	1	Color: / Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		TCL4.3
8270	*8270 TICS*							
RTL0572-13	100	30.37	1	Color: / Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		MS/SD TCL4.3, MS/SD
8270 TICS	*8270*							

PREPARATION BENCH SHEET

10L0497

Surrogate used: RT11318

TestAmerica Buffalo

Matrix: Solid | **Prepared using: Extractions - 3550B MB** | **Printed: 12/7/2010 5:00:31PM**

Lab Number	Surrogate Amount	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	Lab ID Bar Code	Comments

Reagent
RT14373 Sodium Sulfate
RT14447 Methylene Chloride (Cycletainer)

Surrogated By: B
Spiked By: B
Extracted By: B
Cleanup By: N/A

Pre-Concentration By: N/A
Concentrated By: KW
Vialed By: B

Prepared by: B Date: 12.7.10
Entry: KT Date: 12/7/10
Review: B Date: 12.7.10

42/1158

Work Orders

RTL0360 RTL0571 RTL0572

Comments: _____

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10K073.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : H:\GCMS_SEM\X\111810\X4271.D -T005247-TUN1 RT12926
Injection Date : 18 Nov 2010 Log Time Period (hrs) : ALL
Injection Time : 00:57 Total files within period : 85
Sample Directory : H:\GCMS_SEM\X\111810\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time	
X4272	1.00	1.00	1.00	T005247-CAL6 -RT12884	18 Nov 2010	01:17	-8270
X4273	1.00	1.00	1.00	T005247-CAL5 -RT12883	18 Nov 2010	01:40	
X4274	1.00	1.00	1.00	T005247-CAL4 - RT12882	18 Nov 2010	02:02	
X4275	1.00	1.00	1.00	T005247-CAL3 -RT12881	18 Nov 2010	02:25	
				T005253-CCV1			
X4276	1.00	1.00	1.00	T005247-CAL2 - RT12880	18 Nov 2010	02:48	
X4277	1.00	1.00	1.00	T005247-CAL1 -RT12879	18 Nov 2010	03:11	
X4278	1.00	1.00	1.00	T005247-CALC -RT13409	18 Nov 2010	03:34	-TCL ADD
X4279	1.00	1.00	1.00	T005247-CALB -RT13408	18 Nov 2010	03:57	
X4280	1.00	1.00	1.00	T005247-CALA -RT13407	18 Nov 2010	04:19	
X4281	1.00	1.00	1.00	T005247-CAL9 -RT13406	18 Nov 2010	04:42	
				T005253-CCV2			
X4282	1.00	1.00	1.00	T005247-CAL8 -RT13405	18 Nov 2010	05:05	
X4283	1.00	1.00	1.00	T005247-CAL7 - RT13404	18 Nov 2010	05:27	
X4284	1.00	1.00	1.00	T005247-LCV1 - RT10137	18 Nov 2010	05:50	-8270/TCL ADD
X4285	1.00	1.00	1.00	T005247-SCV1 -RT10136	18 Nov 2010	06:13	
X4286	1.00	1.00	1.00	T005247-CALI - RT12362	18 Nov 2010	06:36	-APIX
X4287	1.00	1.00	1.00	T005247-CALH - RT12361	18 Nov 2010	06:58	
X4288	1.00	1.00	1.00	T005247-CALG -RT12360	18 Nov 2010	07:21	
X4289	1.00	1.00	1.00	T005247-CALF -RT12359	18 Nov 2010	07:44	
				T005253-CCV3			
X4290	1.00	1.00	1.00	T005247-CALE -RT12358	18 Nov 2010	08:07	
X4291	1.00	1.00	1.00	T005247-CALD -RT12357	18 Nov 2010	08:30	
X4292	1.00	1.00	1.00	T005247-CALO -RT13417	18 Nov 2010	08:53	-ADD #1
X4293	1.00	1.00	1.00	T005247-CALN - RT13416	18 Nov 2010	09:15	

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10K073.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : H:\GCMS_SEM\X\111810\X4271.D
Injection Date : 18 Nov 2010 Log Time Period (hrs) : ALL
Injection Time : 00:57 Total files within period : 85
Sample Directory : H:\GCMS_SEM\X\111810\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date Time	
X4294	1.00	1.00	1.00	T005247-CALM - RT13415	18 Nov 2010 09:38	
X4295	1.00	1.00	1.00	T005247-CALL - RT13414 T005253-CCV4	18 Nov 2010 10:01	ADD #1
X4296	1.00	1.00	1.00	T005247-CALK - RT13413	18 Nov 2010 10:24	
X4297	1.00	1.00	1.00	T005247-CALJ - RT13412	18 Nov 2010 10:47	
X4298	1.00	1.00	1.00	T005247-SCV2 - RT09379	18 Nov 2010 11:09	- 8PM /ADD #1
X4299	1.00	1.00	1.00	T005247-SCV3 - RT10136	18 Nov 2010 11:32	- 827 / TCC ADD
X4300	1.00	1.00	1.00	RTK0395-06	18 Nov 2010 11:55	
X4301	1.00	1.00	1.00	RTK0475-01@40X	18 Nov 2010 12:18	
X4302	1.00	1.00	1.00	RTK0475-02	18 Nov 2010 12:41	
X4303	1.00	1.00	1.00	A193	18 Nov 2010 13:42	
X4304	1.00	1.00	1.00	T005269-TUN1 - RT12926	18 Nov 2010 14:02	
X4305	1.00	1.00	1.00	T005269-CCV1 - RT12881	18 Nov 2010 14:18	- 827
X4306	1.00	1.00	1.00	T005269-CCV2 - RT13406	18 Nov 2010 14:40	- TCC ADD
X4307	1.00	1.00	1.00	T005269-CCV3 - RT12363	18 Nov 2010 15:03	- AP IS
X4308	1.00	1.00	1.00	T005269-CCV4 - RT13414	18 Nov 2010 15:26	- ADD #1
X4309	1.00	1.00	1.00	T005269-SCV1 - RT14128	18 Nov 2010 15:49	
X4310	1.00	1.00	1.00	RTK0395-06	18 Nov 2010 16:12	
X4311	1.00	1.00	1.00	RTK0475-01@40X	18 Nov 2010 16:35	
X4312	1.00	1.00	1.00	RTK0475-02	18 Nov 2010 16:58	
X4313	1.00	1.00	1.00	RTK0475-03@25X	18 Nov 2010 17:21	
X4314	1.00	1.00	1.00	RTK0475-04	18 Nov 2010 17:43	
X4315	1.00	1.00	1.00	10K1055-BLK1	18 Nov 2010 18:06	

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10K073.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : H:\GCMS_SEM\X\111810\X4271.D
Injection Date : 18 Nov 2010 Log Time Period (hrs) : ALL
Injection Time : 00:57 Total files within period : 85
Sample Directory : H:\GCMS_SEM\X\111810\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date	Time
X4316	1.00	1.00	1.00	10K1055-BS1	18 Nov 2010	18:29
X4317	1.00	1.00	1.00	10K1055-MS1	18 Nov 2010	18:52
X4318	1.00	1.00	1.00	10K1055-MSD1	18 Nov 2010	19:15
X4319	1.00	1.00	1.00	RTK0475-04RE1@10X	18 Nov 2010	19:38
X4320	1.00	1.00	1.00	RTK0463-01	18 Nov 2010	20:01
X4321	1.00	1.00	1.00	RTK0463-02	18 Nov 2010	20:24
X4322	1.00	1.00	1.00	RTK0463-03	18 Nov 2010	20:47
X4323	1.00	1.00	1.00	RTK0463-04	18 Nov 2010	21:10
X4324	1.00	1.00	1.00	RTK0463-05	18 Nov 2010	21:33
X4325	1.00	1.00	1.00	RTK0463-06	18 Nov 2010	21:56
X4326	1.00	1.00	1.00	A193	18 Nov 2010	23:18
X4327	1.00	1.00	1.00	T005274-TUN1 -PT12976	18 Nov 2010	23:39
X4328	1.00	1.00	1.00	T005274-CCV1 -PT12885	18 Nov 2010	23:54 -ESD
X4329	1.00	1.00	1.00	T005274-CCV2 -PT13410	19 Nov 2010	00:17 -ICC ADD
X4330	1.00	1.00	1.00	T005274-CCV3 -PT12363	19 Nov 2010	00:40 -AP OK
X4331	1.00	1.00	1.00	T005274-CCV4 -PT13418	19 Nov 2010	01:03 -ADD ST
X4332	1.00	1.00	1.00	RTK0519-01	19 Nov 2010	01:40
X4333	1.00	1.00	1.00	RTK0519-03	19 Nov 2010	02:02
X4334	1.00	1.00	1.00	RTK0519-04	19 Nov 2010	02:25
X4335	1.00	1.00	1.00	RTK0519-05	19 Nov 2010	02:48
X4336	1.00	1.00	1.00	RTK0520-01	19 Nov 2010	03:11
X4337	1.00	1.00	1.00	RTK0637-01	19 Nov 2010	03:34

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10K073.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : H:\GCMS_SEM\X\111810\X4271.D
Injection Date : 18 Nov 2010 Log Time Period (hrs) : ALL
Injection Time : 00:57 Total files within period : 85
Sample Directory : H:\GCMS_SEM\X\111810\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date	Time
X4338	1.00	1.00	1.00	RTK0637-02	19 Nov 2010	03:57
X4339	1.00	1.00	1.00	RTK0637-03	19 Nov 2010	04:20
X4340	1.00	1.00	1.00	RTK0637-04	19 Nov 2010	04:43
X4341	1.00	1.00	1.00	RTK0637-05	19 Nov 2010	05:06
X4342	1.00	1.00	1.00	10K1108-BLK2	19 Nov 2010	05:29
X4343	1.00	1.00	1.00	10K1108-BS2	19 Nov 2010	05:52
X4344	1.00	1.00	1.00	RTK0801-01	19 Nov 2010	06:15
X4345	1.00	1.00	1.00	RTK0801-02	19 Nov 2010	06:38
X4346	1.00	1.00	1.00	RTK0855-01@20X	19 Nov 2010	07:01
X4347	1.00	1.00	1.00	RTK0901-01	19 Nov 2010	07:24
X4348	1.00	1.00	1.00	RTK0901-02	19 Nov 2010	07:47
X4349	1.00	1.00	1.00	RTK0901-03	19 Nov 2010	08:10
X4350	1.00	1.00	1.00	RTK0901-04@2X	19 Nov 2010	08:33
X4351	1.00	1.00	1.00	RTK0901-05	19 Nov 2010	08:56
X4352	1.00	1.00	1.00	RTK0901-06	19 Nov 2010	09:19
X4353	1.00	1.00	1.00	10K1297-BLK2	19 Nov 2010	09:42
X4354	1.00	1.00	1.00	10K1297-BS2	19 Nov 2010	10:05
X4355	1.00	1.00	1.00	RTK0975-01@5X	19 Nov 2010	10:28
X4356	1.00	1.00	1.00	10K1499-BLK1	19 Nov 2010	10:50

Analyst: MKP / JLG
Inj. Volume: 1.0ml
NGLS: 40 IS ID: PT1082

338E07
$MeCl_2$ Lot# ____ used for all sample dilutions.
Manufacturer J.T. Baker

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10L020.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : Q:\GCMS_SEM\X\120710\X5271.D
Injection Date : 7 Dec 2010 Log Time Period (hrs) : ALL
Injection Time : 10:12 Total files within period : 52
Sample Directory : Q:\GCMS_SEM\X\120710\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time
X5294	1.00	1.00	1.00	IBLANK MeCl2	7 Dec 2010	18:50
X5295	1.00	1.00	1.00	IBLANK MeCl2	7 Dec 2010	19:13
X5296	1.00	1.00	1.00	IBLANK MeCl2	7 Dec 2010	19:36
X5297(2)	1.00	1.00	1.00	T005571-TUN1 RT 12926	7 Dec 2010	19:57
X5298	1.00	1.00	1.00	T005571-CCV1 RT 14303	7 Dec 2010	20:12
X5299	1.00	1.00	1.00	T005571-CCV2 RT 13406	7 Dec 2010	20:35
X5300	1.00	1.00	1.00	T005571-CCV3 not used	7 Dec 2010	20:58
X5301	1.00	1.00	1.00	T005571-CCV4 not used	7 Dec 2010	21:22
X5302	1.00	1.00	1.00	10L0497-BLK1	7 Dec 2010	22:04
X5303	1.00	1.00	1.00	10L0497-BS1	7 Dec 2010	22:27
X5304	1.00	1.00	1.00	10L0497-MS1	7 Dec 2010	22:50
X5305	1.00	1.00	1.00	10L0497-MSD1	7 Dec 2010	23:13
X5306	1.00	1.00	1.00	RTL0360-01	7 Dec 2010	23:36
X5307	1.00	1.00	1.00	RTL0571-01@10X	7 Dec 2010	23:59
X5308	1.00	1.00	1.00	RTL0571-02@5X	8 Dec 2010	00:22
X5309	1.00	1.00	1.00	RTL0572-01@10X	8 Dec 2010	00:45
X5310	1.00	1.00	1.00	RTL0572-02@10X	8 Dec 2010	01:08
X5311	1.00	1.00	1.00	RTL0572-03@10X	8 Dec 2010	01:31
X5312	1.00	1.00	1.00	RTL0572-04@20X	8 Dec 2010	01:54
X5313	1.00	1.00	1.00	RTL0572-05	8 Dec 2010	02:17
X5314	1.00	1.00	1.00	RTL0572-06@10X	8 Dec 2010	02:40
X5315	1.00	1.00	1.00	RTL0572-07@5X	8 Dec 2010	03:03

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10L020.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : Q:\GCMS_SEM\X\120710\X5271.D
Injection Date : 7 Dec 2010 Log Time Period (hrs) : ALL
Injection Time : 10:12 Total files within period : 52
Sample Directory : Q:\GCMS_SEM\X\120710\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date	Time
X5316	1.00	1.00	1.00	RTL0572-08	8 Dec 2010	03:26
X5317	1.00	1.00	1.00	RTL0572-09@5X	8 Dec 2010	03:49
X5318	1.00	1.00	1.00	RTL0572-10@5X	8 Dec 2010	04:12
X5319	1.00	1.00	1.00	RTL0572-11	8 Dec 2010	04:35
X5320	1.00	1.00	1.00	RTL0572-12	8 Dec 2010	04:58
X5321	1.00	1.00	1.00	RTL0572-13	8 Dec 2010	05:21
X5322	1.00	1.00	1.00	IBLK	8 Dec 2010	05:43
X5323	1.00	1.00	1.00	IBLK	8 Dec 2010	06:06

Analyst: JLG/MKP
Inj Volume: 1ul
NG I.S: 40 **IS ID:** RT10776

MeCl, Lot # J4BE23 used for all sample dilutions. Manufacturer JTBAKER

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10L020.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : Q:\GCMS_SEM\X\120710\X5271.D
Injection Date : 7 Dec 2010 Log Time Period (hrs) : ALL
Injection Time : 10:12 Total files within period : 52
Sample Directory : Q:\GCMS_SEM\X\120710\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date	Time
X5272	1.00	1.00	1.00	T005561-TUN1 RT 12926	7 Dec 2010	10:33
X5273	1.00	1.00	1.00	T005561-CCV1 RT 14303	7 Dec 2010	10:48
X5274	1.00	1.00	1.00	T005561-CCV2 RT 13406	7 Dec 2010	11:11
X5275	1.00	1.00	1.00	T005561-CCV3 RT 12359	7 Dec 2010	11:34
X5276	1.00	1.00	1.00	T005561-CCV4 RT 13414	7 Dec 2010	11:57
X5277	1.00	1.00	1.00	T005561-CCV5 RT 04185	7 Dec 2010	12:20
X5278	1.00	1.00	1.00	RTL0505-02	7 Dec 2010	12:43
X5279	1.00	1.00	1.00	RTL0511-10	7 Dec 2010	13:06
X5280	1.00	1.00	1.00	RTL0511-15	7 Dec 2010	13:29
X5281	1.00	1.00	1.00	10C0178-BS7	7 Dec 2010	13:52
X5282	1.00	1.00	1.00	10C0178-BSE	7 Dec 2010	14:15
X5283	1.00	1.00	1.00	10C0178-SRM1	7 Dec 2010	14:38
X5284	1.00	1.00	1.00	10C0178-SRM2	7 Dec 2010	15:01
X5285	1.00	1.00	1.00	IBLANK MeCl2	7 Dec 2010	15:24
X5286	1.00	1.00	1.00	IBLANK MeCl2	7 Dec 2010	15:47
X5287	1.00	1.00	1.00	IBLANK MeCl2	7 Dec 2010	16:09
X5288	1.00	1.00	1.00	IBLANK MeCl2	7 Dec 2010	16:32
X5289	1.00	1.00	1.00	IBLANK MeCl2	7 Dec 2010	16:55
X5290	1.00	1.00	1.00	IBLANK MeCl2	7 Dec 2010	17:18
X5291	1.00	1.00	1.00	IBLANK MeCl2	7 Dec 2010	17:41
X5292	1.00	1.00	1.00	IBLANK MeCl2	7 Dec 2010	18:04
X5293	1.00	1.00	1.00	IBLANK MeCl2	7 Dec 2010	18:27

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10L020.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : Q:\GCMS_SEM\X\120810\X5324.D A193
Injection Date : 8 Dec 2010 Log Time Period (hrs) : ALL
Injection Time : 08:16 Total files within period : 50
Sample Directory : Q:\GCMS_SEM\X\120810\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date	Time
X5325	1.00	1.00	1.00	T005575-TUN1 RT 12.926	8 Dec 2010	08:37
X5326	1.00	1.00	1.00	T005575-CCV1 RT 14.303	8 Dec 2010	08:52
X5327	1.00	1.00	1.00	T005575-CCV2 RT 13.406	8 Dec 2010	09:15
X5328	1.00	1.00	1.00	T005575-CCV3 RT 12.359	8 Dec 2010	09:38
X5329	1.00	1.00	1.00	T005575-CCV4 RT 13.414	8 Dec 2010	10:00
X5330	1.00	1.00	1.00	RTL0572-01	8 Dec 2010	10:24
X5331	1.00	1.00	1.00	RTL0572-02	8 Dec 2010	10:46
X5332	1.00	1.00	1.00	RTL0572-03	8 Dec 2010	11:09
X5333	1.00	1.00	1.00	RTL0572-04@10X	8 Dec 2010	11:32
X5334	1.00	1.00	1.00	RTL0572-06	8 Dec 2010	11:55
X5335	1.00	1.00	1.00	RTL0572-07	8 Dec 2010	12:18
X5336	1.00	1.00	1.00	RTL0572-09	8 Dec 2010	12:41
X5337	1.00	1.00	1.00	RTL0572-10	8 Dec 2010	13:04
X5338	1.00	1.00	1.00	IBLANK MeCl2	8 Dec 2010	13:27
X5339	1.00	1.00	1.00	IBLANK MeCl2	8 Dec 2010	13:50
X5340	1.00	1.00	1.00	IBLANK MeCl2	8 Dec 2010	14:13
X5341	1.00	1.00	1.00	IBLANK MeCl2	8 Dec 2010	14:36
X5342	1.00	1.00	1.00	IBLANK MeCl2	8 Dec 2010	14:59
X5343	1.00	1.00	1.00	IBLANK MeCl2	8 Dec 2010	15:22
X5344	1.00	1.00	1.00	IBLANK MeCl2	8 Dec 2010	15:45
X5345	1.00	1.00	1.00	IBLANK MeCl2	8 Dec 2010	16:08
X5345	1.00	1.00	1.00	IBLANK MeCl2	8 Dec 2010	16:08

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10L020.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : Q:\GCMS_SEM\X\120810\X5324.D
Injection Date : 8 Dec 2010 Log Time Period (hrs) : ALL
Injection Time : 08:16 Total files within period : 50
Sample Directory : Q:\GCMS_SEM\X\120810\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date	Time
X5347	1.00	1.00	1.00	A193	8 Dec 2010	22:13
X5348	1.00	1.00	1.00	A193	8 Dec 2010	22:18
X5349	1.00	1.00	1.00	T005596-TUN1 RT12426	8 Dec 2010	22:38
X5350	1.00	1.00	1.00	T005596-CCV1 RT14303	8 Dec 2010	22:54
X5351	1.00	1.00	1.00	T005596-CCV2 RT13406	8 Dec 2010	23:17
X5352	1.00	1.00	1.00	T005596-CCV3 RT12357	8 Dec 2010	23:39
X5353	1.00	1.00	1.00	T005596-CCV4 RT13114	9 Dec 2010	00:02
X5354	1.00	1.00	1.00	10L0577-BLK1	9 Dec 2010	00:48
X5355	1.00	1.00	1.00	10L0577-BS1	9 Dec 2010	01:10
X5356	1.00	1.00	1.00	10L0577-MS1	9 Dec 2010	01:33
X5357	1.00	1.00	1.00	10L0577-MSD1	9 Dec 2010	01:56
X5358	1.00	1.00	1.00	RTL0445-01	9 Dec 2010	02:19
X5359	1.00	1.00	1.00	RTL0470-01@5X	9 Dec 2010	02:42
X5360	1.00	1.00	1.00	RTL0470-02@5X	9 Dec 2010	03:05
X5361	1.00	1.00	1.00	RTL0573-04	9 Dec 2010	03:28
X5362	1.00	1.00	1.00	RTL0573-07	9 Dec 2010	03:51
X5363	1.00	1.00	1.00	RTL0573-12	9 Dec 2010	04:14
X5364	1.00	1.00	1.00	RTL0573-19	9 Dec 2010	04:36
X5365	1.00	1.00	1.00	RTL0573-21	9 Dec 2010	04:59
X5366	1.00	1.00	1.00	RTL0584-10	9 Dec 2010	05:22
X5367	1.00	1.00	1.00	RTL0584-11	9 Dec 2010	05:45
X5368	1.00	1.00	1.00	RTL0593-01	9 Dec 2010	06:08

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10L020.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : Q:\GCMS_SEM\X\120810\X5324.D
Injection Date : 8 Dec 2010 Log Time Period (hrs) : ALL
Injection Time : 08:16 Total files within period : 50
Sample Directory : Q:\GCMS_SEM\X\120810\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date	Time
X5369	1.00	1.00	1.00	RTL0594-01@5X	9 Dec 2010	06:30
X5370	1.00	1.00	1.00	IBLK	9 Dec 2010	06:53
X5371	1.00	1.00	1.00	IBLK	9 Dec 2010	07:16
X5372	1.00	1.00	1.00	IBLK	9 Dec 2010	07:39
X5373	1.00	1.00	1.00	IBLK	9 Dec 2010	08:02
X5374	1.00	1.00	1.00	IBLK	9 Dec 2010	08:25

Analyst: MLP JLG
Inj. Volume: 1.0uL
NG I.S: 40.0 IS ID: 527 10718

$MeCl_2$ Lot # J7. Baker used for all sample dilutions. Manufacturer J43623

Semi-Volatile Organic Example Calculation

METHOD 8270/OLM04.3
Aqueous Matrix

Default Calculation:

$$\frac{\text{Amt (ng)} \times \text{FV} \times \text{DF} \times 1000 \times \text{GPC}}{\text{IV} \times \text{SV}} = \text{ug/l}$$

Amt = ng on column
FV = Final Extract Volume (ml)
DF=Dilution Factor (no units)
IV = Injection Volume (ul)
SV = Sample Volume (ml)
GPC = (1 if no GPC) or (2 if GPC performed)

METHOD 8270/OLM04.3
Soil Matrix

Default Calculation:

$$\frac{\text{Amt (ng)} \times \text{FV} \times \text{DF} \times 1000 \times \text{GPC}}{\text{SW} \times \text{DDW} \times \text{IV}} = \text{ug/kg}$$

Amt = ng on column
FV = Final Extract Volume (ml)
DF=Dilution Factor (no units)
IV = Injection Volume (ul)
SW = Sample Weight (g)
GPC = (1 if no GPC) or (2 if GPC performed)
DDW = Decimal Dry Weight (no units, dry wgt/100)

METHOD 625
Aqueous Matrix

Default Calculation:

$$\frac{\text{Amt (ng)} \times \text{FV} \times \text{DF} \times 1000 \times \text{GPC}}{\text{IV} \times \text{SV}} = \text{ug/l}$$

Amt = ng on column
FV = Final Extract Volume (ml)
DF=Dilution Factor (no units)
IV = Injection Volume (ul)
SV = Sample Volume (ml)
GPC = (1 if no GPC) or (2 if GPC performed)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Buffalo

SDG: RTL0572

CLASS: ARO

METHOD: 8082

ANALYSES DATA PACKAGE COVER PAGE

8082

Laboratory: TestAmerica Buffalo

SDG: RTL0572

Client: PARS Environmental, Inc.

Project: NF Armed Forces Reserve Center Solids Testing

Client Sample Id:	Lab Sample Id:
SP-1-5-7	RTL0572-01
SP-2-6-8	RTL0572-02
SP-3-4-6	RTL0572-03
SP-4-2-4	RTL0572-04
SP-5-2-4	RTL0572-05
SP-6-2-4	RTL0572-06
SP-7-4-6	RTL0572-07
SP-8-4-6	RTL0572-08
SP-9-2-4	RTL0572-09
SP-10-2-4	RTL0572-10
SP-11-2-4	RTL0572-11
DUP-1	RTL0572-12
SP-12-6-10	RTL0572-13

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005619	Instrument:	HP5890-12
Matrix:	Solid	Calibration:	R10J096

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Matrix Spike (10L0498-MS1)			Lab File ID: 12a96158		Analyzed: 12/08/10 15:34			
Decachlorobiphenyl	9.16	93	34 - 148	5.73771	5.778064	-0.0404	+/-1.0	
Decachlorobiphenyl [2C]	9.16	87	34 - 148	5.461145	5.524208	-0.0631	+/-1.0	
Tetrachloro-m-xylene	9.16	106	35 - 134	1.639438	1.677194	-0.0378	+/-1.0	
Tetrachloro-m-xylene [2C]	9.16	102	35 - 134	1.336503	1.384097	-0.0476	+/-1.0	
Matrix Spike Dup (10L0498-MSD1)			Lab File ID: 12a96159		Analyzed: 12/08/10 15:48			
Decachlorobiphenyl	9.07	100	34 - 148	5.737427	5.778064	-0.0406	+/-1.0	
Decachlorobiphenyl [2C]	9.07	90	34 - 148	5.461336	5.524208	-0.0629	+/-1.0	
Tetrachloro-m-xylene	9.07	109	35 - 134	1.639322	1.677194	-0.0379	+/-1.0	
Tetrachloro-m-xylene [2C]	9.07	111	35 - 134	1.336406	1.384097	-0.0477	+/-1.0	
SP-1-5-7 (RTL0572-01)			Lab File ID: 12A96160		Analyzed: 12/08/10 16:03			
Decachlorobiphenyl	7.33	96	34 - 148	5.7367	5.778064	-0.0414	+/-1.0	
Decachlorobiphenyl [2C]	7.33	89	34 - 148	5.460446	5.524208	-0.0638	+/-1.0	
Tetrachloro-m-xylene	7.33	86	35 - 134	1.640043	1.677194	-0.0372	+/-1.0	
Tetrachloro-m-xylene [2C]	7.33	101	35 - 134	1.336279	1.384097	-0.0478	+/-1.0	
SP-2-6-8 (RTL0572-02)			Lab File ID: 12A96161		Analyzed: 12/08/10 16:18			
Decachlorobiphenyl	8.07	102	34 - 148	5.73686	5.778064	-0.0412	+/-1.0	
Decachlorobiphenyl [2C]	8.07	95	34 - 148	5.461417	5.524208	-0.0628	+/-1.0	
Tetrachloro-m-xylene	8.07	103	35 - 134	1.639096	1.677194	-0.0381	+/-1.0	
Tetrachloro-m-xylene [2C]	8.07	111	35 - 134	1.336506	1.384097	-0.0476	+/-1.0	
SP-3-4-6 (RTL0572-03)			Lab File ID: 12A96162		Analyzed: 12/08/10 16:33			
Decachlorobiphenyl	8.86	102	34 - 148	5.737468	5.778064	-0.0406	+/-1.0	
Decachlorobiphenyl [2C]	8.86	91	34 - 148	5.460771	5.524208	-0.0634	+/-1.0	
Tetrachloro-m-xylene	8.86	104	35 - 134	1.639564	1.677194	-0.0376	+/-1.0	
Tetrachloro-m-xylene [2C]	8.86	118	35 - 134	1.336322	1.384097	-0.0478	+/-1.0	
SP-4-2-4 (RTL0572-04)			Lab File ID: 12A96163		Analyzed: 12/08/10 16:47			
Decachlorobiphenyl	8.33	98	34 - 148	5.736683	5.778064	-0.0414	+/-1.0	
Decachlorobiphenyl [2C]	8.33	88	34 - 148	5.460482	5.524208	-0.0637	+/-1.0	
Tetrachloro-m-xylene	8.33	101	35 - 134	1.638942	1.677194	-0.0383	+/-1.0	
Tetrachloro-m-xylene [2C]	8.33	115	35 - 134	1.336288	1.384097	-0.0478	+/-1.0	
SP-5-2-4 (RTL0572-05)			Lab File ID: 12A96164		Analyzed: 12/08/10 17:02			
Tetrachloro-m-xylene	11.0	97	35 - 134	1.639247	1.677194	-0.0379	+/-1.0	
Tetrachloro-m-xylene [2C]	11.0	111	35 - 134	1.336511	1.384097	-0.0476	+/-1.0	

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005619	Instrument:	HP5890-12
Matrix:	Solid	Calibration:	R10J096

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SP-6-2-4 (RTL0572-06)			Lab File ID: 12A96165		Analyzed: 12/08/10 17:17			
Decachlorobiphenyl	8.99	93	34 - 148	5.736816	5.778064	-0.0412	+/-1.0	
Decachlorobiphenyl [2C]	8.99	86	34 - 148	5.460245	5.524208	-0.0640	+/-1.0	
Tetrachloro-m-xylene	8.99	101	35 - 134	1.638789	1.677194	-0.0384	+/-1.0	
Tetrachloro-m-xylene [2C]	8.99	109	35 - 134	1.336204	1.384097	-0.0479	+/-1.0	
SP-7-4-6 (RTL0572-07)			Lab File ID: 12A96168		Analyzed: 12/08/10 18:01			
Decachlorobiphenyl	8.44	95	34 - 148	5.737345	5.778064	-0.0407	+/-1.0	
Decachlorobiphenyl [2C]	8.44	88	34 - 148	5.460681	5.524208	-0.0635	+/-1.0	
Tetrachloro-m-xylene	8.44	100	35 - 134	1.638924	1.677194	-0.0383	+/-1.0	
Tetrachloro-m-xylene [2C]	8.44	115	35 - 134	1.33626	1.384097	-0.0478	+/-1.0	
SP-8-4-6 (RTL0572-08)			Lab File ID: 12A96169		Analyzed: 12/08/10 18:16			
Decachlorobiphenyl	7.97	98	34 - 148	5.737119	5.778064	-0.0409	+/-1.0	
Decachlorobiphenyl [2C]	7.97	91	34 - 148	5.460835	5.524208	-0.0634	+/-1.0	
Tetrachloro-m-xylene	7.97	97	35 - 134	1.639047	1.677194	-0.0381	+/-1.0	
Tetrachloro-m-xylene [2C]	7.97	109	35 - 134	1.33605	1.384097	-0.0480	+/-1.0	
SP-9-2-4 (RTL0572-09)			Lab File ID: 12A96170		Analyzed: 12/08/10 18:31			
Decachlorobiphenyl	8.39	97	34 - 148	5.736882	5.778064	-0.0412	+/-1.0	
Decachlorobiphenyl [2C]	8.39	91	34 - 148	5.4602	5.524208	-0.0640	+/-1.0	
Tetrachloro-m-xylene	8.39	98	35 - 134	1.638986	1.677194	-0.0382	+/-1.0	
Tetrachloro-m-xylene [2C]	8.39	113	35 - 134	1.336004	1.384097	-0.0481	+/-1.0	
SP-10-2-4 (RTL0572-10)			Lab File ID: 12a96171		Analyzed: 12/08/10 18:45			
Decachlorobiphenyl	8.18	98	34 - 148	5.737687	5.778064	-0.0404	+/-1.0	
Decachlorobiphenyl [2C]	8.18	89	34 - 148	5.460289	5.524208	-0.0639	+/-1.0	
Tetrachloro-m-xylene	8.18	91	35 - 134	1.639374	1.677194	-0.0378	+/-1.0	
Tetrachloro-m-xylene [2C]	8.18	102	35 - 134	1.336088	1.384097	-0.0480	+/-1.0	
SP-11-2-4 (RTL0572-11)			Lab File ID: 12a96172		Analyzed: 12/08/10 19:00			
Decachlorobiphenyl	8.55	99	34 - 148	5.737728	5.778064	-0.0403	+/-1.0	
Decachlorobiphenyl [2C]	8.55	91	34 - 148	5.460449	5.524208	-0.0638	+/-1.0	
Tetrachloro-m-xylene	8.55	100	35 - 134	1.639738	1.677194	-0.0375	+/-1.0	
Tetrachloro-m-xylene [2C]	8.55	112	35 - 134	1.336231	1.384097	-0.0479	+/-1.0	
DUP-1 (RTL0572-12)			Lab File ID: 12a96173		Analyzed: 12/08/10 19:15			
Decachlorobiphenyl	7.30	97	34 - 148	5.737816	5.778064	-0.0402	+/-1.0	
Decachlorobiphenyl [2C]	7.30	89	34 - 148	5.460752	5.524208	-0.0635	+/-1.0	
Tetrachloro-m-xylene	7.30	97	35 - 134	1.639375	1.677194	-0.0378	+/-1.0	
Tetrachloro-m-xylene [2C]	7.30	110	35 - 134	1.336195	1.384097	-0.0479	+/-1.0	

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005619	Instrument:	HP5890-12
Matrix:	Solid	Calibration:	R10J096

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SP-12-6-10 (RTL0572-13)			Lab File ID: 12A96174		Analyzed: 12/08/10 19:30			
Decachlorobiphenyl	9.14	102	34 - 148	5.737856	5.778064	-0.0402	+/-1.0	
Decachlorobiphenyl [2C]	9.14	92	34 - 148	5.4605	5.524208	-0.0637	+/-1.0	
Tetrachloro-m-xylene	9.14	104	35 - 134	1.640023	1.677194	-0.0372	+/-1.0	
Tetrachloro-m-xylene [2C]	9.14	110	35 - 134	1.336192	1.384097	-0.0479	+/-1.0	

* Values outside of QC limits

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005619	Instrument:	HP5890-12
Matrix:	Solid	Calibration:	R10J096

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (10L0498-BLK1)			Lab File ID: 12A96156		Analyzed: 12/08/10 15:04			
Decachlorobiphenyl	6.54	98	34 - 148	5.737409	5.778064	-0.0407	+/-1.0	
Decachlorobiphenyl [2C]	6.54	88	34 - 148	5.461458	5.524208	-0.0627	+/-1.0	
Tetrachloro-m-xylene	6.54	94	35 - 134	1.63963	1.677194	-0.0376	+/-1.0	
Tetrachloro-m-xylene [2C]	6.54	109	35 - 134	1.336462	1.384097	-0.0476	+/-1.0	
LCS (10L0498-BS1)			Lab File ID: 12a96157		Analyzed: 12/08/10 15:19			
Decachlorobiphenyl	6.48	107	34 - 148	5.738021	5.778064	-0.0400	+/-1.0	
Decachlorobiphenyl [2C]	6.48	91	34 - 148	5.46164	5.524208	-0.0626	+/-1.0	
Tetrachloro-m-xylene	6.48	115	35 - 134	1.638846	1.677194	-0.0383	+/-1.0	
Tetrachloro-m-xylene [2C]	6.48	111	35 - 134	1.33655	1.384097	-0.0475	+/-1.0	

* Values outside of QC limits

Form 3

LCS / LCS DUPLICATE RECOVERY

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT12477
Batch:	10L0498	Laboratory ID:	10L0498-BS1
Preparation:	3550B GC	Initial/Final:	30.86 g / 10 mL

COMPOUND	SPIKE ADDED	UNITS	LCS CONCENTRATION	LCS % REC. #	QCLIMITS REC.
Aroclor 1016	162	ug/kg wet	187	116	59 - 154
Aroclor 1016 [2C]	162	ug/kg wet	173	107	59 - 154
Aroclor 1016 Peak1	162	ug/kg wet	185	114	
Aroclor 1016 Peak1 [2C]	162	ug/kg wet	182	112	
Aroclor 1016 Peak2	162	ug/kg wet	199	123	
Aroclor 1016 Peak2 [2C]	162	ug/kg wet	177	109	
Aroclor 1016 Peak3	162	ug/kg wet	182	112	
Aroclor 1016 Peak3 [2C]	162	ug/kg wet	192	118	
Aroclor 1016 Peak4	162	ug/kg wet	183	113	
Aroclor 1016 Peak4 [2C]	162	ug/kg wet	141	87	
Aroclor 1221		ug/kg wet	ND		
Aroclor 1221 [2C]		ug/kg wet	ND		
Aroclor 1221 Peak1		ug/kg wet	ND		
Aroclor 1221 Peak1 [2C]		ug/kg wet	ND		
Aroclor 1221 Peak2		ug/kg wet	ND		
Aroclor 1221 Peak2 [2C]		ug/kg wet	ND		
Aroclor 1221 Peak3		ug/kg wet	ND		
Aroclor 1221 Peak3 [2C]		ug/kg wet	ND		
Aroclor 1221 Peak4		ug/kg wet	ND		
Aroclor 1221 Peak4 [2C]		ug/kg wet	ND		
Aroclor 1232		ug/kg wet	ND		
Aroclor 1232 [2C]		ug/kg wet	ND		
Aroclor 1232 Peak1		ug/kg wet	ND		
Aroclor 1232 Peak1 [2C]		ug/kg wet	ND		
Aroclor 1232 Peak2		ug/kg wet	ND		
Aroclor 1232 Peak2 [2C]		ug/kg wet	ND		
Aroclor 1232 Peak3		ug/kg wet	ND		
Aroclor 1232 Peak3 [2C]		ug/kg wet	ND		
Aroclor 1232 Peak4		ug/kg wet	ND		
Aroclor 1232 Peak4 [2C]		ug/kg wet	ND		

Form 3

LCS / LCS DUPLICATE RECOVERY

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT12477
Batch:	10L0498	Laboratory ID:	10L0498-BS1
Preparation:	3550B GC	Initial/Final:	30.86 g / 10 mL

COMPOUND	SPIKE ADDED	UNITS	LCS CONCENTRATION	LCS % REC. #	QCLIMITS REC.
Aroclor 1242		ug/kg wet	ND		
Aroclor 1242 [2C]		ug/kg wet	ND		
Aroclor 1242 Peak1		ug/kg wet	ND		
Aroclor 1242 Peak1 [2C]		ug/kg wet	ND		
Aroclor 1242 Peak2		ug/kg wet	ND		
Aroclor 1242 Peak2 [2C]		ug/kg wet	ND		
Aroclor 1242 Peak3		ug/kg wet	ND		
Aroclor 1242 Peak3 [2C]		ug/kg wet	ND		
Aroclor 1242 Peak4		ug/kg wet	ND		
Aroclor 1242 Peak4 [2C]		ug/kg wet	ND		
Aroclor 1248		ug/kg wet	ND		
Aroclor 1248 [2C]		ug/kg wet	ND		
Aroclor 1248 Peak1		ug/kg wet	ND		
Aroclor 1248 Peak1 [2C]		ug/kg wet	ND		
Aroclor 1248 Peak2		ug/kg wet	ND		
Aroclor 1248 Peak2 [2C]		ug/kg wet	ND		
Aroclor 1248 Peak3		ug/kg wet	ND		
Aroclor 1248 Peak3 [2C]		ug/kg wet	ND		
Aroclor 1248 Peak4		ug/kg wet	ND		
Aroclor 1248 Peak4 [2C]		ug/kg wet	ND		
Aroclor 1254		ug/kg wet	ND		
Aroclor 1254 [2C]		ug/kg wet	ND		
Aroclor 1254 Peak1		ug/kg wet	ND		
Aroclor 1254 Peak1 [2C]		ug/kg wet	ND		
Aroclor 1254 Peak2		ug/kg wet	ND		
Aroclor 1254 Peak2 [2C]		ug/kg wet	ND		
Aroclor 1254 Peak3		ug/kg wet	ND		
Aroclor 1254 Peak3 [2C]		ug/kg wet	ND		
Aroclor 1254 Peak4		ug/kg wet	ND		
Aroclor 1254 Peak4 [2C]		ug/kg wet	ND		

Form 3

LCS / LCS DUPLICATE RECOVERY

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT12477
Batch:	10L0498	Laboratory ID:	10L0498-BS1
Preparation:	3550B GC	Initial/Final:	30.86 g / 10 mL

COMPOUND	SPIKE ADDED	UNITS	LCS CONCENTRATION	LCS % REC. #	QCLIMITS REC.
Aroclor 1260	162	ug/kg wet	168	104	51 - 179
Aroclor 1260 [2C]	162	ug/kg wet	158	97	51 - 179
Aroclor 1260 Peak1	162	ug/kg wet	179	110	
Aroclor 1260 Peak1 [2C]	162	ug/kg wet	162	100	
Aroclor 1260 Peak2	162	ug/kg wet	171	105	
Aroclor 1260 Peak2 [2C]	162	ug/kg wet	162	100	
Aroclor 1260 Peak3	162	ug/kg wet	163	100	
Aroclor 1260 Peak3 [2C]	162	ug/kg wet	158	98	
Aroclor 1260 Peak4	162	ug/kg wet	161	100	
Aroclor 1260 Peak4 [2C]	162	ug/kg wet	149	92	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT12477
Batch:	10L0498	Laboratory ID:	10L0498-MS1
Preparation:	3550B GC	Initial/Final:	30.03 g / 10 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
Aroclor 1016	229	ug/kg dry	ND	228	100	59 - 154
Aroclor 1016 [2C]	229	ug/kg dry	ND	246	107	59 - 154
Aroclor 1016 Peak1	229	ug/kg dry	ND	223	97	
Aroclor 1016 Peak1 [2C]	229	ug/kg dry	ND	240	105	
Aroclor 1016 Peak2	229	ug/kg dry	ND	231	101	
Aroclor 1016 Peak2 [2C]	229	ug/kg dry	ND	244	106	
Aroclor 1016 Peak3	229	ug/kg dry	ND	234	102	
Aroclor 1016 Peak3 [2C]	229	ug/kg dry	ND	264	115	
Aroclor 1016 Peak4	229	ug/kg dry	ND	225	98	
Aroclor 1016 Peak4 [2C]	229	ug/kg dry	ND	236	103	
Aroclor 1221		ug/kg dry	ND	ND		
Aroclor 1221 [2C]		ug/kg dry	ND	ND		
Aroclor 1221 Peak1		ug/kg dry	ND	ND		
Aroclor 1221 Peak1 [2C]		ug/kg dry	ND	ND		
Aroclor 1221 Peak2		ug/kg dry	ND	ND		
Aroclor 1221 Peak2 [2C]		ug/kg dry	ND	ND		
Aroclor 1221 Peak3		ug/kg dry	ND	ND		
Aroclor 1221 Peak3 [2C]		ug/kg dry	ND	ND		
Aroclor 1221 Peak4		ug/kg dry	ND	ND		
Aroclor 1221 Peak4 [2C]		ug/kg dry	ND	ND		
Aroclor 1232		ug/kg dry	ND	ND		
Aroclor 1232 [2C]		ug/kg dry	ND	ND		
Aroclor 1232 Peak1		ug/kg dry	ND	ND		
Aroclor 1232 Peak1 [2C]		ug/kg dry	ND	ND		
Aroclor 1232 Peak2		ug/kg dry	ND	ND		
Aroclor 1232 Peak2 [2C]		ug/kg dry	ND	ND		
Aroclor 1232 Peak3		ug/kg dry	ND	ND		
Aroclor 1232 Peak3 [2C]		ug/kg dry	ND	ND		
Aroclor 1232 Peak4		ug/kg dry	ND	ND		
Aroclor 1232 Peak4 [2C]		ug/kg dry	ND	ND		
Aroclor 1242		ug/kg dry	ND	ND		
Aroclor 1242 [2C]		ug/kg dry	ND	ND		

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT12477
Batch:	10L0498	Laboratory ID:	10L0498-MS1
Preparation:	3550B GC	Initial/Final:	30.03 g / 10 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
Aroclor 1242 Peak1		ug/kg dry	ND	ND		
Aroclor 1242 Peak1 [2C]		ug/kg dry	ND	ND		
Aroclor 1242 Peak2		ug/kg dry	ND	ND		
Aroclor 1242 Peak2 [2C]		ug/kg dry	ND	ND		
Aroclor 1242 Peak3		ug/kg dry	ND	ND		
Aroclor 1242 Peak3 [2C]		ug/kg dry	ND	ND		
Aroclor 1242 Peak4		ug/kg dry	ND	ND		
Aroclor 1242 Peak4 [2C]		ug/kg dry	ND	ND		
Aroclor 1248		ug/kg dry	ND	ND		
Aroclor 1248 [2C]		ug/kg dry	ND	ND		
Aroclor 1248 Peak1		ug/kg dry	ND	ND		
Aroclor 1248 Peak1 [2C]		ug/kg dry	ND	ND		
Aroclor 1248 Peak2		ug/kg dry	ND	ND		
Aroclor 1248 Peak2 [2C]		ug/kg dry	ND	ND		
Aroclor 1248 Peak3		ug/kg dry	ND	ND		
Aroclor 1248 Peak3 [2C]		ug/kg dry	ND	ND		
Aroclor 1248 Peak4		ug/kg dry	ND	ND		
Aroclor 1248 Peak4 [2C]		ug/kg dry	ND	ND		
Aroclor 1254		ug/kg dry	ND	ND		
Aroclor 1254 [2C]		ug/kg dry	ND	ND		
Aroclor 1254 Peak1		ug/kg dry	ND	ND		
Aroclor 1254 Peak1 [2C]		ug/kg dry	ND	ND		
Aroclor 1254 Peak2		ug/kg dry	ND	ND		
Aroclor 1254 Peak2 [2C]		ug/kg dry	ND	ND		
Aroclor 1254 Peak3		ug/kg dry	ND	ND		
Aroclor 1254 Peak3 [2C]		ug/kg dry	ND	ND		
Aroclor 1254 Peak4		ug/kg dry	ND	ND		
Aroclor 1254 Peak4 [2C]		ug/kg dry	ND	ND		
Aroclor 1260	229	ug/kg dry	ND	208	91	51 - 179
Aroclor 1260 [2C]	229	ug/kg dry	ND	210	92	51 - 179
Aroclor 1260 Peak1	229	ug/kg dry	ND	220	96	
Aroclor 1260 Peak1 [2C]	229	ug/kg dry	ND	209	91	

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT12477
Batch:	10L0498	Laboratory ID:	10L0498-MS1
Preparation:	3550B GC	Initial/Final:	30.03 g / 10 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
Aroclor 1260 Peak2	229	ug/kg dry	ND	218	95	
Aroclor 1260 Peak2 [2C]	229	ug/kg dry	ND	214	93	
Aroclor 1260 Peak3	229	ug/kg dry	ND	203	89	
Aroclor 1260 Peak3 [2C]	229	ug/kg dry	ND	211	92	
Aroclor 1260 Peak4	229	ug/kg dry	ND	189	83	
Aroclor 1260 Peak4 [2C]	229	ug/kg dry	ND	206	90	

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1016	227	ug/kg dry	235	104	3	50	59 - 154
Aroclor 1016 [2C]	227	ug/kg dry	254	112	3	50	59 - 154
Aroclor 1016 Peak1	227	ug/kg dry	228	101	2		
Aroclor 1016 Peak1 [2C]	227	ug/kg dry	249	110	3		
Aroclor 1016 Peak2	227	ug/kg dry	237	105	3		
Aroclor 1016 Peak2 [2C]	227	ug/kg dry	252	111	3		
Aroclor 1016 Peak3	227	ug/kg dry	240	106	3		
Aroclor 1016 Peak3 [2C]	227	ug/kg dry	274	121	4		
Aroclor 1016 Peak4	227	ug/kg dry	234	103	4		
Aroclor 1016 Peak4 [2C]	227	ug/kg dry	243	107	3		
Aroclor 1221		ug/kg dry	ND				
Aroclor 1221 [2C]		ug/kg dry	ND				
Aroclor 1221 Peak1		ug/kg dry	ND				
Aroclor 1221 Peak1 [2C]		ug/kg dry	ND				
Aroclor 1221 Peak2		ug/kg dry	ND				
Aroclor 1221 Peak2 [2C]		ug/kg dry	ND				
Aroclor 1221 Peak3		ug/kg dry	ND				
Aroclor 1221 Peak3 [2C]		ug/kg dry	ND				
Aroclor 1221 Peak4		ug/kg dry	ND				
Aroclor 1221 Peak4 [2C]		ug/kg dry	ND				
Aroclor 1232		ug/kg dry	ND				
Aroclor 1232 [2C]		ug/kg dry	ND				
Aroclor 1232 Peak1		ug/kg dry	ND				
Aroclor 1232 Peak1 [2C]		ug/kg dry	ND				

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT12477
Batch:	10L0498	Laboratory ID:	10L0498-MSD1
Preparation:	3550B GC	Initial/Final:	30.35 g / 10 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1232 Peak2		ug/kg dry	ND				
Aroclor 1232 Peak2 [2C]		ug/kg dry	ND				
Aroclor 1232 Peak3		ug/kg dry	ND				
Aroclor 1232 Peak3 [2C]		ug/kg dry	ND				
Aroclor 1232 Peak4		ug/kg dry	ND				
Aroclor 1232 Peak4 [2C]		ug/kg dry	ND				
Aroclor 1242		ug/kg dry	ND				
Aroclor 1242 [2C]		ug/kg dry	ND				
Aroclor 1242 Peak1		ug/kg dry	ND				
Aroclor 1242 Peak1 [2C]		ug/kg dry	ND				
Aroclor 1242 Peak2		ug/kg dry	ND				
Aroclor 1242 Peak2 [2C]		ug/kg dry	ND				
Aroclor 1242 Peak3		ug/kg dry	ND				
Aroclor 1242 Peak3 [2C]		ug/kg dry	ND				
Aroclor 1242 Peak4		ug/kg dry	ND				
Aroclor 1242 Peak4 [2C]		ug/kg dry	ND				
Aroclor 1248		ug/kg dry	ND				
Aroclor 1248 [2C]		ug/kg dry	ND				
Aroclor 1248 Peak1		ug/kg dry	ND				
Aroclor 1248 Peak1 [2C]		ug/kg dry	ND				
Aroclor 1248 Peak2		ug/kg dry	ND				
Aroclor 1248 Peak2 [2C]		ug/kg dry	ND				
Aroclor 1248 Peak3		ug/kg dry	ND				
Aroclor 1248 Peak3 [2C]		ug/kg dry	ND				
Aroclor 1248 Peak4		ug/kg dry	ND				
Aroclor 1248 Peak4 [2C]		ug/kg dry	ND				
Aroclor 1254		ug/kg dry	ND				
Aroclor 1254 [2C]		ug/kg dry	ND				
Aroclor 1254 Peak1		ug/kg dry	ND				
Aroclor 1254 Peak1 [2C]		ug/kg dry	ND				
Aroclor 1254 Peak2		ug/kg dry	ND				
Aroclor 1254 Peak2 [2C]		ug/kg dry	ND				
Aroclor 1254 Peak3		ug/kg dry	ND				

Form 3

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT12477
Batch:	10L0498	Laboratory ID:	10L0498-MSD1
Preparation:	3550B GC	Initial/Final:	30.35 g / 10 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1254 Peak3 [2C]		ug/kg dry	ND				
Aroclor 1254 Peak4		ug/kg dry	ND				
Aroclor 1254 Peak4 [2C]		ug/kg dry	ND				
Aroclor 1260	227	ug/kg dry	219	97	5	50	51 - 179
Aroclor 1260 [2C]	227	ug/kg dry	215	95	2	50	51 - 179
Aroclor 1260 Peak1	227	ug/kg dry	233	103	6		
Aroclor 1260 Peak1 [2C]	227	ug/kg dry	215	95	3		
Aroclor 1260 Peak2	227	ug/kg dry	226	99	3		
Aroclor 1260 Peak2 [2C]	227	ug/kg dry	220	97	3		
Aroclor 1260 Peak3	227	ug/kg dry	213	94	5		
Aroclor 1260 Peak3 [2C]	227	ug/kg dry	216	95	2		
Aroclor 1260 Peak4	227	ug/kg dry	204	90	7		
Aroclor 1260 Peak4 [2C]	227	ug/kg dry	210	93	2		

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

PREPARATION BATCH SUMMARY

8082

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Batch: 10L0498 Batch Matrix: Solid
Preparation: 3550B GC

SAMPLE NAME	LAB SAMPLE ID	INITIAL	FINAL	DATE PREPARED	TOT/DIS
Blank	10L0498-BLK1	30.6 g	10.0 mL	12/07/10 12:00	N/A
LCS	10L0498-BS1	30.9 g	10.0 mL	12/07/10 12:00	N/A
SP-12-6-10	10L0498-MS1	30.0 g	10.0 mL	12/07/10 12:00	N/A
SP-12-6-10	10L0498-MSD1	30.4 g	10.0 mL	12/07/10 12:00	N/A
SP-1-5-7	RTL0572-01	30.2 g	10.0 mL	12/07/10 12:00	N/A
SP-2-6-8	RTL0572-02	30.8 g	10.0 mL	12/07/10 12:00	N/A
SP-3-4-6	RTL0572-03	30.0 g	10.0 mL	12/07/10 12:00	N/A
SP-4-2-4	RTL0572-04	30.7 g	10.0 mL	12/07/10 12:00	N/A
SP-5-2-4	RTL0572-05	30.4 g	10.0 mL	12/07/10 12:00	N/A
SP-6-2-4	RTL0572-06	30.7 g	10.0 mL	12/07/10 12:00	N/A
SP-7-4-6	RTL0572-07	30.0 g	10.0 mL	12/07/10 12:00	N/A
SP-8-4-6	RTL0572-08	31.0 g	10.0 mL	12/07/10 12:00	N/A
SP-9-2-4	RTL0572-09	30.7 g	10.0 mL	12/07/10 12:00	N/A
SP-10-2-4	RTL0572-10	30.8 g	10.0 mL	12/07/10 12:00	N/A
SP-11-2-4	RTL0572-11	31.0 g	10.0 mL	12/07/10 12:00	N/A
DUP-1	RTL0572-12	30.1 g	10.0 mL	12/07/10 12:00	N/A
SP-12-6-10	RTL0572-13	30.1 g	10.0 mL	12/07/10 12:00	N/A

METHOD DETECTION AND REPORTING LIMITS

8082

Laboratory: TestAmerica Buffalo **SDG:** RTL0572

Client: PARS Environmental, Inc. **Project:** NF Armed Forces Reserve Center Solids Te

Matrix: Solid **Instrument:** HP5890-12

Analyte	MDL	MRL	Units
Aroclor 1016	3.3	17	ug/kg
Aroclor 1016 [2C]	3.3	17	ug/kg
Aroclor 1221	3.3	17	ug/kg
Aroclor 1221 [2C]	3.3	17	ug/kg
Aroclor 1232	3.3	17	ug/kg
Aroclor 1232 [2C]	3.3	17	ug/kg
Aroclor 1242	3.6	17	ug/kg
Aroclor 1242 [2C]	3.6	17	ug/kg
Aroclor 1248	3.3	17	ug/kg
Aroclor 1248 [2C]	3.3	17	ug/kg
Aroclor 1254	3.5	17	ug/kg
Aroclor 1254 [2C]	3.5	17	ug/kg
Aroclor 1260	7.8	17	ug/kg
Aroclor 1260 [2C]	7.8	17	ug/kg

Form 1

ORGANIC ANALYSIS DATA SHEET

8082

SP-1-5-7

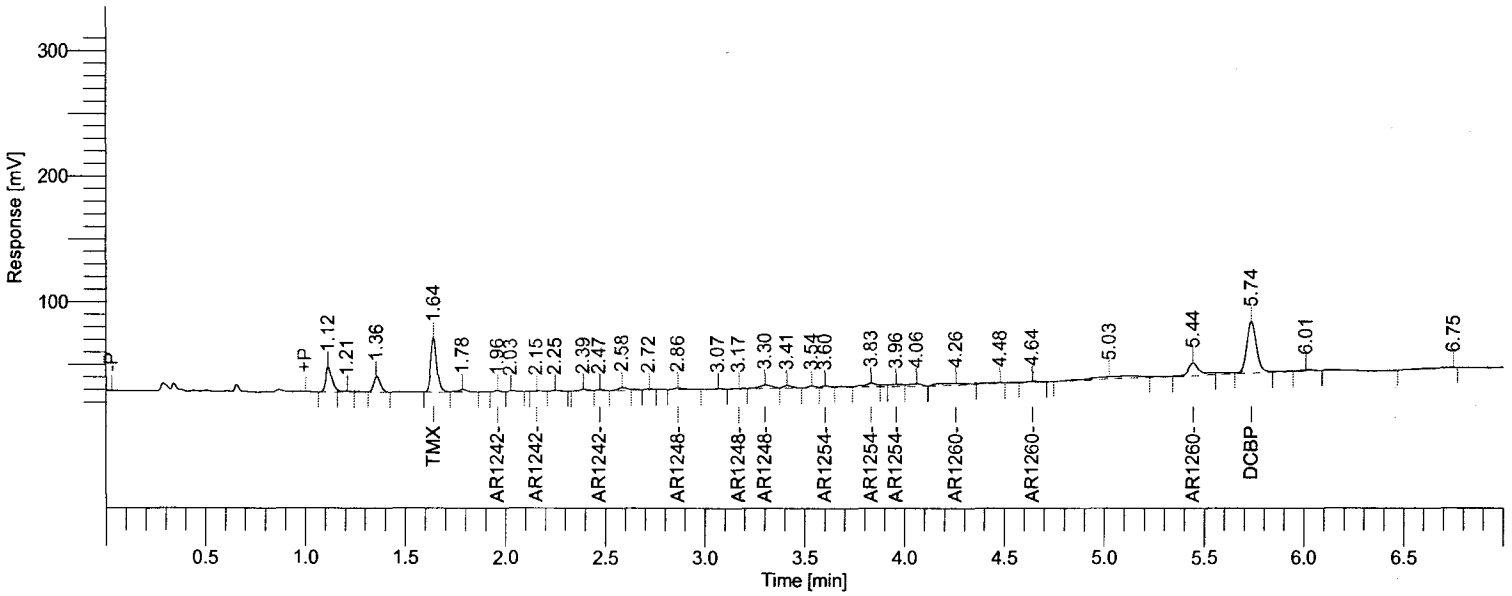
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-01	File ID:	12A96160
Sampled:	12/06/10 09:05	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 16:03
Solids:	90.23	Preparation:	3550B GC	Initial/Final:	30.23 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	18	UC
11104-28-2	Aroclor 1221	1	18	U
11141-16-5	Aroclor 1232	1	18	U
53469-21-9	Aroclor 1242	1	18	U
12672-29-6	Aroclor 1248	1	18	U
11097-69-1	Aroclor 1254	1	18	U
11096-82-5	Aroclor 1260	1	18	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	7.33	7.05	96	34 - 148	
Tetrachloro-m-xylene	7.33	6.31	86	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:20:47
Reprocess Number	: buf2049: 116387		
Operator	: tchrom	Sample Name	: RTL0572-01
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 16:03:33	Cycle	: 5

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96160.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96160-20101209-052042.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96160.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96160-20101209-052042.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96160-20101209-052042.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.64	BV	91303	TMX	0.01720	———	0
6	1.96	VV	2790	AR1242-A	0.02098	0.00525	4
8	2.15	BV	1241	AR1242-B	0.00464	0.00116	4
11	2.47	VV	3211	AR1242-D	0.00850	0.00213	4
14	2.86	VV	6401	AR1248-A	0.02196	0.00549	4
16	3.17	VV	2848	AR1248-C	0.00443	0.00111	4
17	3.30	VV	13271	AR1248-D	0.05994	0.01499	4
20	3.60	VV	5142	AR1254-A	0.01111	0.00278	4
21	3.83	VV	14398	AR1254-B	0.03001	0.00750	4
22	3.96	VV	7842	AR1254-C	0.01495	0.00374	4
24	4.26	BV	18600	AR1260-A	0.03746	0.00937	4
26	4.64	VB	3511	AR1260-B	0.00492	0.00123	4
28	5.44	VV	42824	AR1260-D	0.19396	0.04849	4
29	5.74	VV	142120	DCBP	0.01922	———	0
			355503			0.10322	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	1.96	VV	2790	AR1242-A	0.02098	0.00525	4
8	2.15	BV	1241	AR1242-B	0.00464	0.00116	4
-	2.33		0	AR1242-C	0.00000	———	-
11	2.47	VV	3211	AR1242-D	0.00850	0.00213	4
			7242			0.00853	

12/09/10 05:20:47 Result: H:\TURBO6\5890-12\12-seq96\12a96160-20101209-052042.rst

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
14	2.86	VV	6401	AR1248-A	0.02196	0.00549	4
-	2.99		0	AR1248-B	0.00000	------	-
16	3.17	VV	2848	AR1248-C	0.00443	0.00111	4
17	3.30	VV	13271	AR1248-D	0.05994	0.01499	4
			22520			0.02158	

Group Report For : AR1254

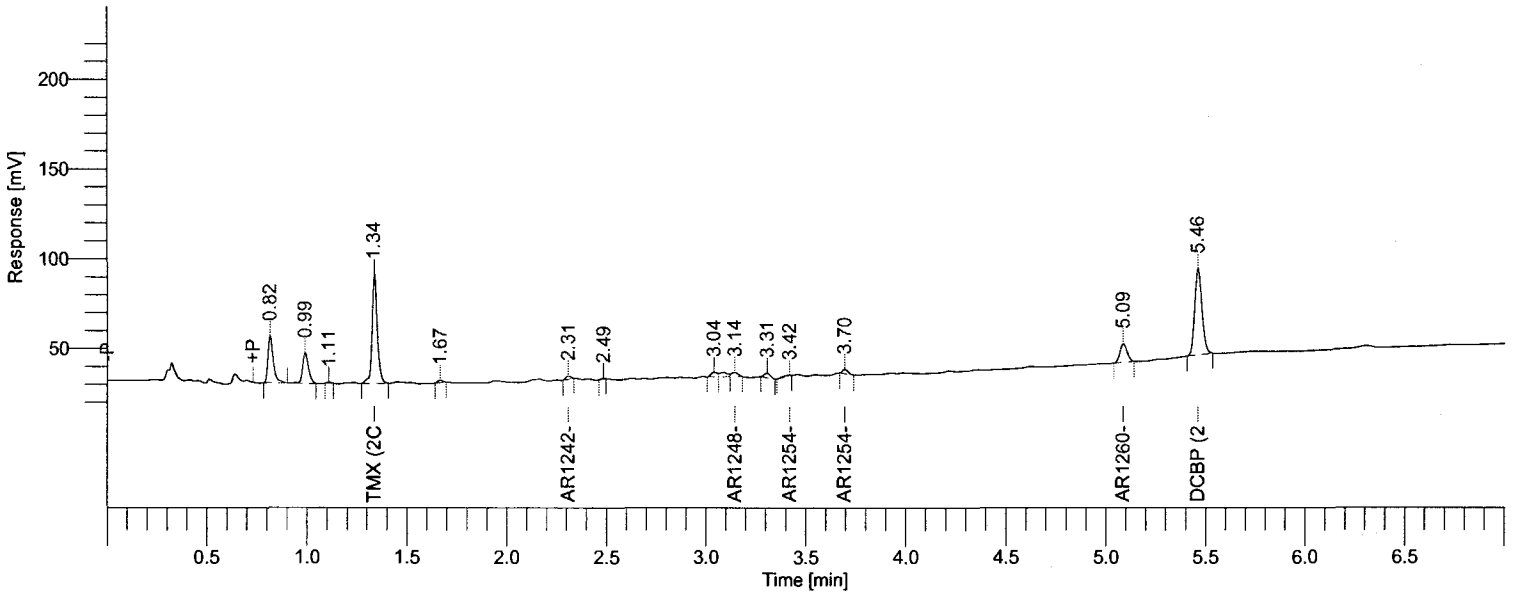
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
20	3.60	VV	5142	AR1254-A	0.01111	0.00278	4
21	3.83	VV	14398	AR1254-B	0.03001	0.00750	4
22	3.96	VV	7842	AR1254-C	0.01495	0.00374	4
-	4.18		0	AR1254-D	0.00000	------	-
			27382			0.01402	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
24	4.26	BV	18600	AR1260-A	0.03746	0.00937	4
26	4.64	VB	3511	AR1260-B	0.00492	0.00123	4
-	4.86		0	AR1260-C	0.00000	------	-
28	5.44	VV	42824	AR1260-D	0.19396	0.04849	4
			64935			0.05909	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:20:53
Reprocess Number	: buf2049: 116388		
Operator	: tchrom	Sample Name	: RTL0572-01
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 16:03:33	Cycle	: 5

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96160.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96160-20101209-052048.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96160.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96160-20101209-052048.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96160-20101209-052048.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.34	BB	111267	TMX (2C)	0.02014	------	0
6	2.31	BB	3460	AR1242-C (2C)	0.00920	0.00230	4
9	3.14	VB	5470	AR1248-D (2C)	0.02130	0.00533	4
11	3.42	BB	2240	AR1254-A (2C)	0.00402	0.00100	4
12	3.70	BB	4646	AR1254-C (2C)	0.02039	0.00510	4
13	5.09	BB	26145	AR1260-D (2C)	0.14099	0.03525	4
14	5.46	BB	122721	DCBP (2C)	0.01785	------	0
			275948			0.04897	

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Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	------	-
-	2.00		0	AR1242-B (2C)	0.00000	------	-
6	2.31	BB	3460	AR1242-C (2C)	0.00920	0.00230	4
-	2.39		0	AR1242-D (2C)	0.00000	------	-
			3460			0.00230	

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	------	-
-	2.81		0	AR1248-B (2C)	0.00000	------	-
-	2.94		0	AR1248-C (2C)	0.00000	------	-
9	3.14	VB	5470	AR1248-D (2C)	0.02130	0.00533	4
			5470			0.00533	

12/09/10 05:20:53 Result: H:\TURBO6\5890-12\12-seq96\12B96160-20101209-052048.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
11	3.42	BB	2240	AR1254-A (2C)	0.00402	0.00100	4
-	3.58		0	AR1254-B (2C)	0.00000	———	-
12	3.70	BB	4646	AR1254-C (2C)	0.02039	0.00510	4
-	3.85		0	AR1254-D (2C)	0.00000	———	-
			6886			0.00610	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	———	-
-	4.38		0	AR1260-B (2C)	0.00000	———	-
-	4.67		0	AR1260-C (2C)	0.00000	———	-
13	5.09	BB	26145	AR1260-D (2C)	0.14099	0.03525	4
			26145			0.03525	

Form 1

ORGANIC ANALYSIS DATA SHEET

8082

SP-2-6-8

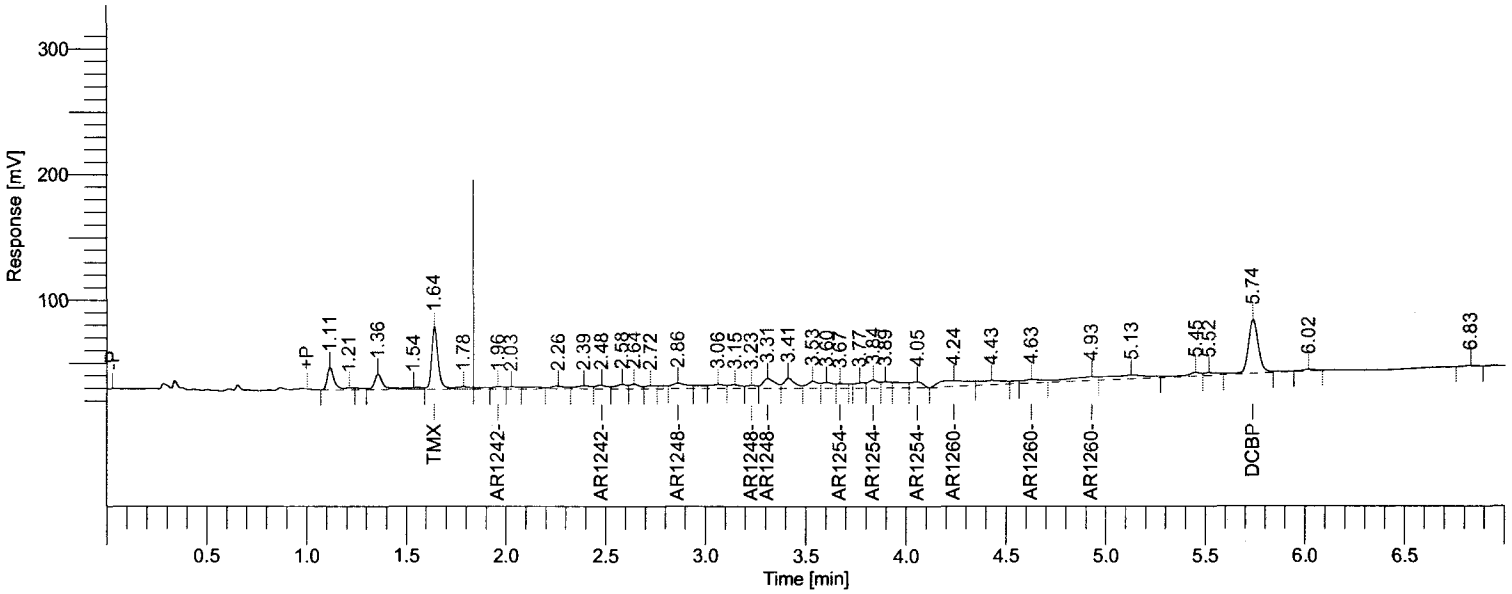
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-02	File ID:	12A96161
Sampled:	12/06/10 09:40	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 16:18
Solids:	80.41	Preparation:	3550B GC	Initial/Final:	30.83 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	20	UC
11104-28-2	Aroclor 1221	1	20	U
11141-16-5	Aroclor 1232	1	20	U
53469-21-9	Aroclor 1242	1	20	U
12672-29-6	Aroclor 1248	1	20	U
11097-69-1	Aroclor 1254	1	20	U
11096-82-5	Aroclor 1260	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.07	8.24	102	34 - 148	
Tetrachloro-m-xylene	8.07	8.33	103	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:21:01
Reprocess Number	: buf2049: 116389		
Operator	: tchrom	Sample Name	: RTL0572-02
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 16:18:17	Cycle	: 6

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96161.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96161-20101209-052055.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96161.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96161-20101209-052055.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96161-20101209-052055.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.64	VE	109565	TMX	0.02065	———	0
7	1.96	VV	8386	AR1242-A	0.06306	0.01577	4
11	2.48	VV	11970	AR1242-D	0.03170	0.00793	4
15	2.86	VV	22751	AR1248-A	0.07804	0.01951	4
18	3.23	VV	8845	AR1248-C	0.01376	0.00344	4
19	3.31	VV	32977	AR1248-D	0.14895	0.03724	4
23	3.67	VV	13266	AR1254-A	0.02866	0.00716	4
25	3.84	VV	23318	AR1254-B	0.04860	0.01215	4
27	4.05	VB	19643	AR1254-C	0.03746	0.00936	4
28	4.24	BV	48103	AR1260-A	0.09689	0.02422	4
30	4.63	VV	18859	AR1260-B	0.02640	0.00660	4
31	4.93	VV	32528	AR1260-C	0.10530	0.02633	4
35	5.74	VV	151115	DCBP	0.02044	———	0
			501325			0.16970	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
7	1.96	VV	8386	AR1242-A	0.06306	0.01577	4
-	2.20		0	AR1242-B	0.00000	———	-
-	2.33		0	AR1242-C	0.00000	———	-
11	2.48	VV	11970	AR1242-D	0.03170	0.00793	4
			20356			0.02369	

12/09/10 05:21:01 Result: H:\TURBO6\5890-12\12-seq96\12a96161-20101209-052055.rst

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
15	2.86	VV	22751	AR1248-A	0.07804	0.01951	4
-	2.99		0	AR1248-B	0.00000	----	-
18	3.23	VV	8845	AR1248-C	0.01376	0.00344	4
19	3.31	VV	32977	AR1248-D	0.14895	0.03724	4
			64572			0.06019	

Group Report For : AR1254

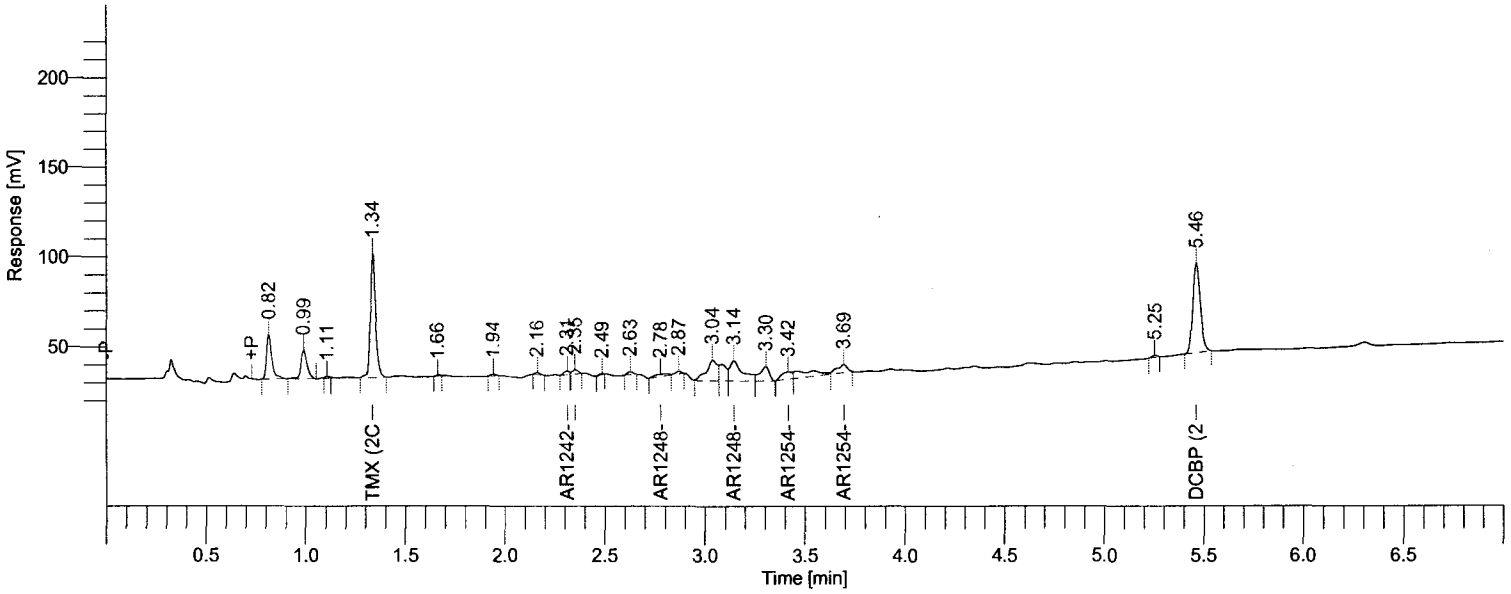
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
23	3.67	VV	13266	AR1254-A	0.02866	0.00716	4
25	3.84	VV	23318	AR1254-B	0.04860	0.01215	4
27	4.05	VB	19643	AR1254-C	0.03746	0.00936	4
-	4.18		0	AR1254-D	0.00000	----	-
			56226			0.02868	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
28	4.24	BV	48103	AR1260-A	0.09689	0.02422	4
30	4.63	VV	18859	AR1260-B	0.02640	0.00660	4
31	4.93	VV	32528	AR1260-C	0.10530	0.02633	4
-	5.29		0	AR1260-D	0.00000	----	-
			99491			0.05715	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:21:07
Reprocess Number	: buf2049: 116390		
Operator	: tchrom	Sample Name	: RTL0572-02
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 16:18:17	Cycle	: 6

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96161.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96161-20101209-052105.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96161.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96161-20101209-052105.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96161-20101209-052105.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.34	VB	122473	TMX (2C)	0.02217	———	0
8	2.31	BV	3646	AR1242-C (2C)	0.00969	0.00242	4
9	2.35	VB	4875	AR1242-D (2C)	0.02862	0.00716	4
12	2.78	BV	6796	AR1248-B (2C)	0.02757	0.00689	4
15	3.14	VV	49816	AR1248-D (2C)	0.19400	0.04850	4
17	3.42	BV	15351	AR1254-A (2C)	0.02755	0.00689	4
18	3.69	VB	16478	AR1254-C (2C)	0.07231	0.01808	4
20	5.46	BB	130333	DCBP (2C)	0.01896	———	0
			349767			0.08994	

DEC 0 9 2010

Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	———	-
-	2.00		0	AR1242-B (2C)	0.00000	———	-
8	2.31	BV	3646	AR1242-C (2C)	0.00969	0.00242	4
9	2.35	VB	4875	AR1242-D (2C)	0.02862	0.00716	4
			8520			0.00958	

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	———	-
12	2.78	BV	6796	AR1248-B (2C)	0.02757	0.00689	4
-	2.94		0	AR1248-C (2C)	0.00000	———	-
15	3.14	VV	49816	AR1248-D (2C)	0.19400	0.04850	4
			56612			0.05539	

12/09/10 05:21:07 Result: H:\TURBO6\5890-12\12-seq96\12B96161-20101209-052105.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
17	3.42	BV	15351	AR1254-A (2C)	0.02755	0.00689	4
-	3.58		0	AR1254-B (2C)	0.00000	------	-
18	3.69	VB	16478	AR1254-C (2C)	0.07231	0.01808	4
-	3.85		0	AR1254-D (2C)	0.00000	------	-
			31829			0.02496	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	------	-
-	4.38		0	AR1260-B (2C)	0.00000	------	-
-	4.67		0	AR1260-C (2C)	0.00000	------	-
-	5.04		0	AR1260-D (2C)	0.00000	------	-
			0			0.00000	

Form 1

ORGANIC ANALYSIS DATA SHEET

8082

SP-3-4-6

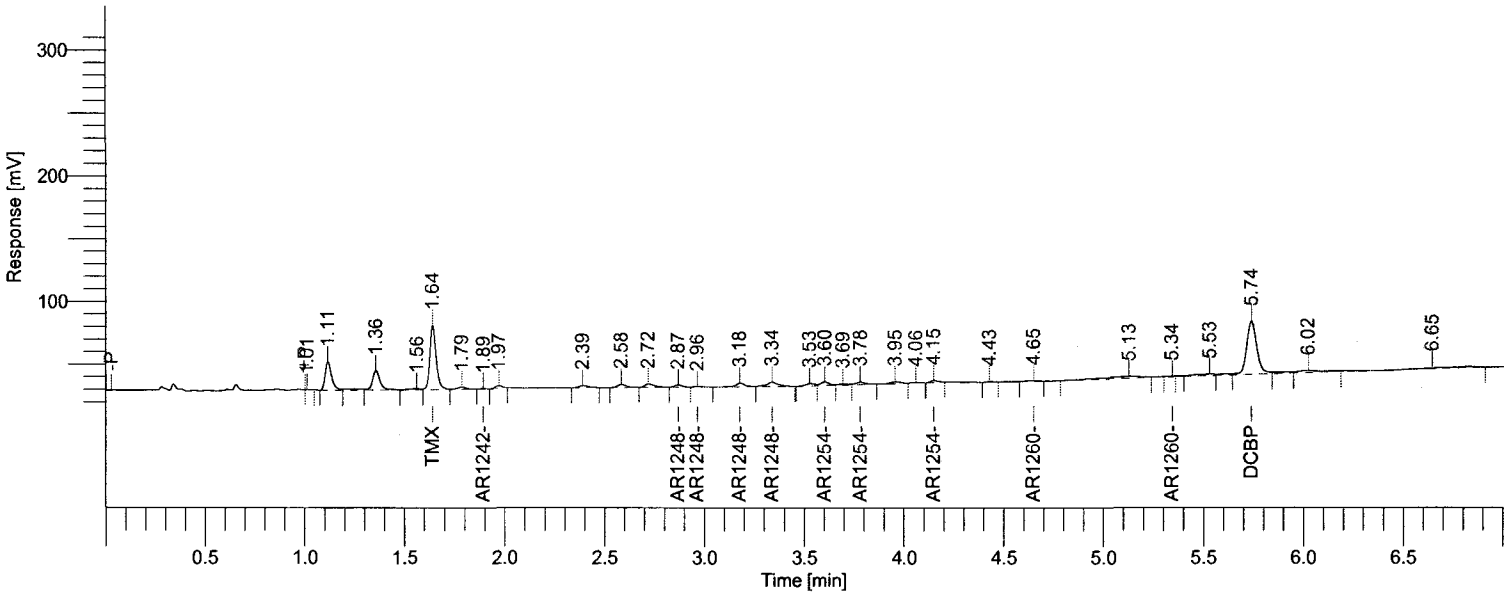
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-03	File ID:	12A96162
Sampled:	12/06/10 10:10	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 16:33
Solids:	75.17	Preparation:	3550B GC	Initial/Final:	30.02 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	22	UC
11104-28-2	Aroclor 1221	1	22	U
11141-16-5	Aroclor 1232	1	22	U
53469-21-9	Aroclor 1242	1	22	U
12672-29-6	Aroclor 1248	1	22	U
11097-69-1	Aroclor 1254	1	22	U
11096-82-5	Aroclor 1260	1	22	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.86	9.02	102	34 - 148	
Tetrachloro-m-xylene	8.86	9.21	104	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:21:14
Reprocess Number	: buf2049: 116391		
Operator	: tchrom	Sample Name	: RTL0572-03
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 16:33:05	Cycle	: 7

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96162.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96162-20101209-052109.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96162.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96162-20101209-052109.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96162-20101209-052109.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.64	VV	110305	TMX	0.02079	——	0
7	1.89	VB	757	AR1242-A	0.00569	0.00142	4
12	2.87	VV	5429	AR1248-A	0.01862	0.00466	4
13	2.96	VV	1888	AR1248-B	0.00809	0.00202	4
14	3.18	VV	10492	AR1248-C	0.01632	0.00408	4
15	3.34	VB	15652	AR1248-D	0.07070	0.01767	4
17	3.60	VV	8984	AR1254-A	0.01941	0.00485	4
19	3.78	VV	7066	AR1254-B	0.01473	0.00368	4
22	4.15	BB	3944	AR1254-D	0.00845	0.00211	4
24	4.65	BB	2650	AR1260-B	0.00371	9.27e-04	4
26	5.34	VV	1826	AR1260-D	0.00827	0.00207	4
28	5.74	VV	150510	DCBP	0.02036	——	0
			319503			0.04350	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
7	1.89	VB	757	AR1242-A	0.00569	0.00142	4
-	2.20		0	AR1242-B	0.00000	——	-
-	2.33		0	AR1242-C	0.00000	——	-
-	2.51		0	AR1242-D	0.00000	——	-
			757			0.00142	

12/09/10 05:21:14 Result: H:\TURBO6\5890-12\12-seq96\12a96162-20101209-052109.rst

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
12	2.87	VV	5429	AR1248-A	0.01862	0.00466	4
13	2.96	VV	1888	AR1248-B	0.00809	0.00202	4
14	3.18	VV	10492	AR1248-C	0.01632	0.00408	4
15	3.34	VB	15652	AR1248-D	0.07070	0.01767	4
			33461			0.02843	

Group Report For : AR1254

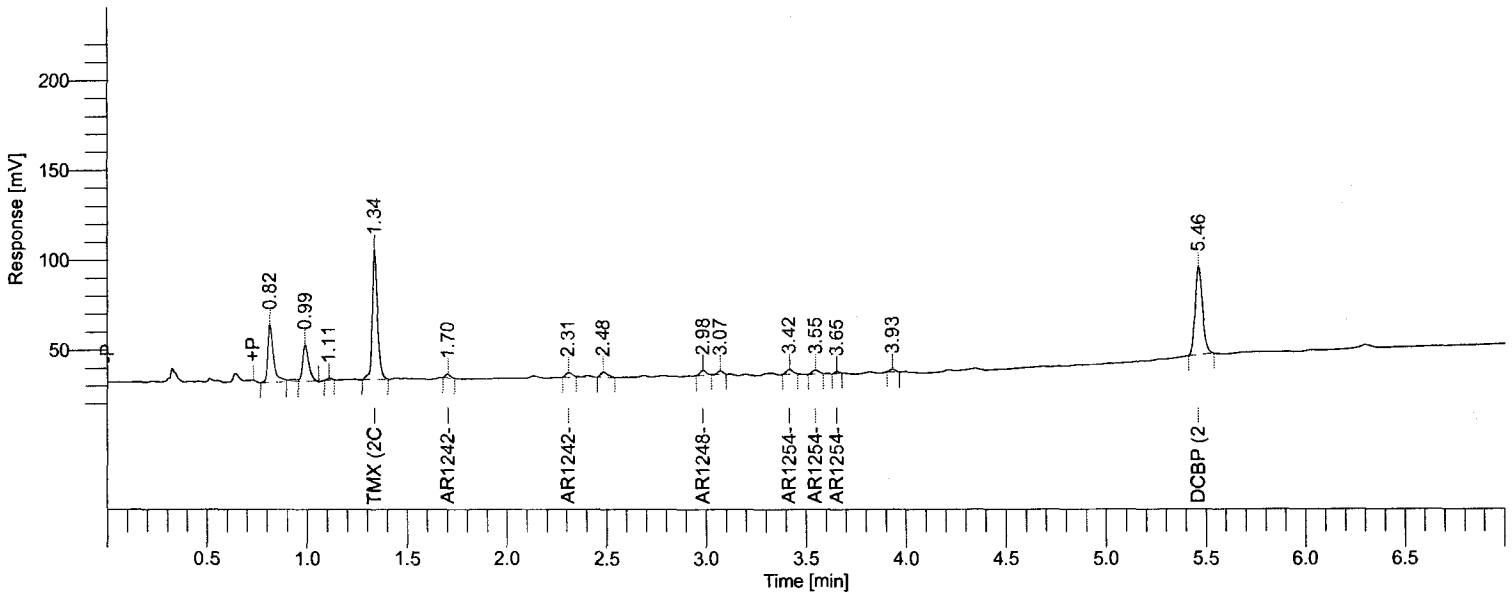
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
17	3.60	VV	8984	AR1254-A	0.01941	0.00485	4
19	3.78	VV	7066	AR1254-B	0.01473	0.00368	4
-	4.01		0	AR1254-C	0.00000	------	-
22	4.15	BB	3944	AR1254-D	0.00845	0.00211	4
			19994			0.01065	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.29		0	AR1260-A	0.00000	------	-
24	4.65	BB	2650	AR1260-B	0.00371	9.27e-04	4
-	4.86		0	AR1260-C	0.00000	------	-
26	5.34	VV	1826	AR1260-D	0.00827	0.00207	4
			4476			0.00299	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:21:21
Reprocess Number	: buf2049: 116392		
Operator	: tchrom	Sample Name	: RTL0572-03
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 16:33:05	Cycle	: 7

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96162.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96162-20101209-052115.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96162.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96162-20101209-052115.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96162-20101209-052115.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.34	BB	130180	TMX (2C)	0.02357	——	0
5	1.70	BB	3767	AR1242-A (2C)	0.03174	0.00793	4
6	2.31	BV	6174	AR1242-C (2C)	0.01641	0.00410	4
8	2.98	BV	6084	AR1248-C (2C)	0.01593	0.00398	4
10	3.42	BB	5803	AR1254-A (2C)	0.01042	0.00260	4
11	3.55	BB	5257	AR1254-B (2C)	0.01037	0.00259	4
12	3.65	BB	1654	AR1254-C (2C)	0.00726	0.00181	4
14	5.46	BB	125681	DCBP (2C)	0.01828	——	0
			284599			0.02303	

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Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.70	BB	3767	AR1242-A (2C)	0.03174	0.00793	4
-	2.00		0	AR1242-B (2C)	0.00000	——	-
6	2.31	BV	6174	AR1242-C (2C)	0.01641	0.00410	4
-	2.39		0	AR1242-D (2C)	0.00000	——	-
			9941			0.01204	

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	——	-
-	2.81		0	AR1248-B (2C)	0.00000	——	-
8	2.98	BV	6084	AR1248-C (2C)	0.01593	0.00398	4
-	3.16		0	AR1248-D (2C)	0.00000	——	-
			6084			0.00398	

12/09/10 05:21:21 Result: H:\TURBO6\5890-12\12-seq96\12B96162-20101209-052115.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
10	3.42	BB	5803	AR1254-A (2C)	0.01042	0.00260	4
11	3.55	BB	5257	AR1254-B (2C)	0.01037	0.00259	4
12	3.65	BB	1654	AR1254-C (2C)	0.00726	0.00181	4
-	3.85		0	AR1254-D (2C)	0.00000	------	-
			12713			0.00701	

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Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	------	-
-	4.38		0	AR1260-B (2C)	0.00000	------	-
-	4.67		0	AR1260-C (2C)	0.00000	------	-
-	5.04		0	AR1260-D (2C)	0.00000	------	-
			0			0.00000	

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

SP-4-2-4

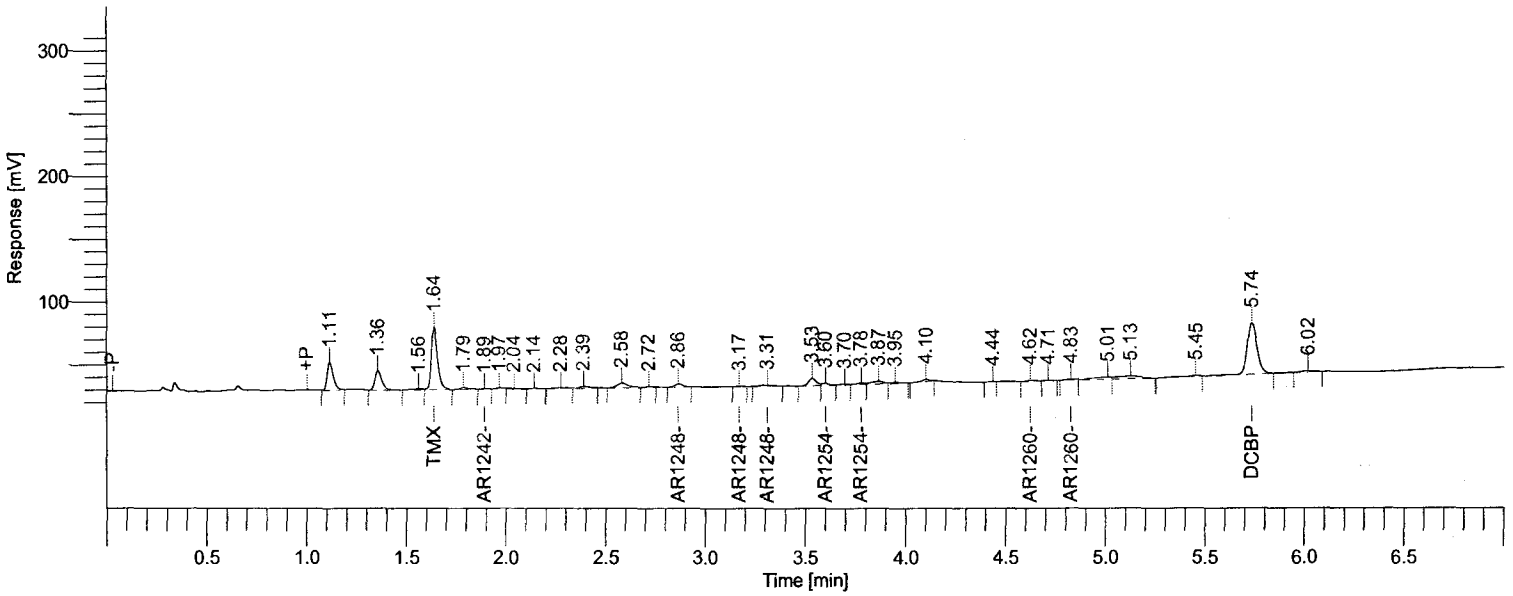
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-04	File ID:	12A96163
Sampled:	12/06/10 10:40	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 16:47
Solids:	78.21	Preparation:	3550B GC	Initial/Final:	30.7 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	21	UC
11104-28-2	Aroclor 1221	1	21	U
11141-16-5	Aroclor 1232	1	21	U
53469-21-9	Aroclor 1242	1	21	U
12672-29-6	Aroclor 1248	1	21	U
11097-69-1	Aroclor 1254	1	21	U
11096-82-5	Aroclor 1260	1	21	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.33	8.16	98	34 - 148	
Tetrachloro-m-xylene	8.33	8.43	101	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:21:27
Reprocess Number	: buf2049: 116393		
Operator	: tchrom	Sample Name	: RTL0572-04
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 16:47:52	Cycle	: 8

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96163.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96163-20101209-052123.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96163.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96163-20101209-052123.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96163-20101209-052123.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.64	VV	107386	TMX	0.02024	——	0
6	1.89	VV	1894	AR1242-A	0.01424	0.00356	4
14	2.86	VB	7689	AR1248-A	0.02637	0.00659	4
15	3.17	BB	1054	AR1248-C	0.00164	4.10e-04	4
16	3.31	BB	5060	AR1248-D	0.02285	0.00571	4
18	3.60	VV	5004	AR1254-A	0.01081	0.00270	4
20	3.78	VV	3816	AR1254-B	0.00795	0.00199	4
25	4.62	BV	3609	AR1260-B	0.00505	0.00126	4
27	4.83	VV	3490	AR1260-C	0.01130	0.00282	4
31	5.74	VV	144945	DCBP	0.01960	——	0
			283947			0.02506	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	1.89	VV	1894	AR1242-A	0.01424	0.00356	4
-	2.20		0	AR1242-B	0.00000	——	-
-	2.33		0	AR1242-C	0.00000	——	-
-	2.51		0	AR1242-D	0.00000	——	-
			1894			0.00356	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
14	2.86	VB	7689	AR1248-A	0.02637	0.00659	4
-	2.99		0	AR1248-B	0.00000	——	-
15	3.17	BB	1054	AR1248-C	0.00164	4.10e-04	4
16	3.31	BB	5060	AR1248-D	0.02285	0.00571	4
			13803			0.01272	

12/09/10 05:21:27 Result: H:\TURBO6\5890-12\12-seq96\12a96163-20101209-052123.rst

Group Report For : AR1254

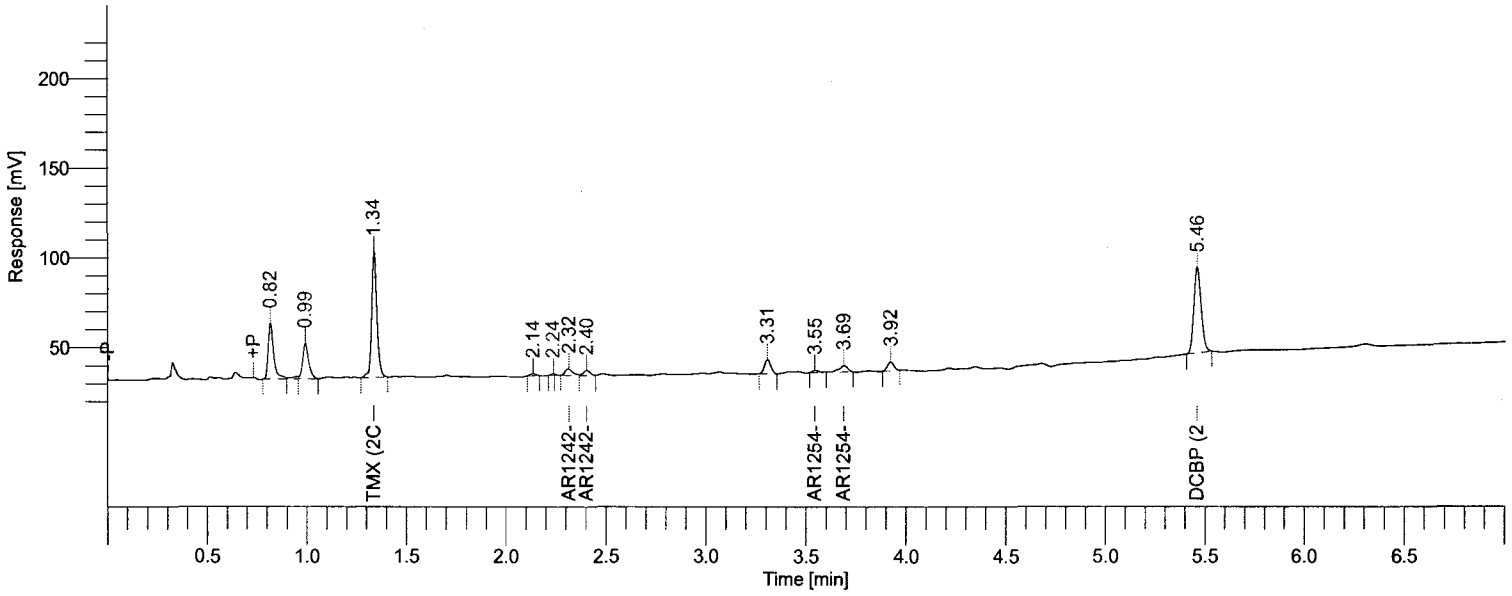
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
18	3.60	VV	5004	AR1254-A	0.01081	0.00270	4
20	3.78	VV	3816	AR1254-B	0.00795	0.00199	4
-	4.01		0	AR1254-C	0.00000	———	-
-	4.18		0	AR1254-D	0.00000	———	-
			8820			0.00469	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.29		0	AR1260-A	0.00000	———	-
25	4.62	BV	3609	AR1260-B	0.00505	0.00126	4
27	4.83	VV	3490	AR1260-C	0.01130	0.00282	4
-	5.29		0	AR1260-D	0.00000	———	-
			7099			0.00409	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:21:33
Reprocess Number	: buf2049: 116394		
Operator	: tchrom	Sample Name	: RTL0572-04
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 16:47:52	Cycle	: 8

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96163.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96163-20101209-052129.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96163.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96163-20101209-052129.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96163-20101209-052129.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	BB	126644	TMX (2C)	0.02293	——	0
6	2.32	VV	9948	AR1242-C (2C)	0.02645	0.00661	4
7	2.40	VB	6923	AR1242-D (2C)	0.04065	0.01016	4
9	3.55	BV	2420	AR1254-B (2C)	0.00477	0.00119	4
10	3.69	VB	10818	AR1254-C (2C)	0.04747	0.01187	4
12	5.46	BB	121001	DCBP (2C)	0.01760	——	0
			277754			0.02984	

DEC 09 2010

Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	——	-
-	2.00		0	AR1242-B (2C)	0.00000	——	-
6	2.32	VV	9948	AR1242-C (2C)	0.02645	0.00661	4
7	2.40	VB	6923	AR1242-D (2C)	0.04065	0.01016	4
			16871			0.01678	

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	——	-
-	2.81		0	AR1248-B (2C)	0.00000	——	-
-	2.94		0	AR1248-C (2C)	0.00000	——	-
-	3.16		0	AR1248-D (2C)	0.00000	——	-
			0			0.00000	

12/09/10 05:21:33 Result: H:\TURBO6\5890-12\12-seq96\12B96163-20101209-052129.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.45		0	AR1254-A (2C)	0.00000	----	-
9	3.55	BV	2420	AR1254-B (2C)	0.00477	0.00119	4
10	3.69	VB	10818	AR1254-C (2C)	0.04747	0.01187	4
-	3.85		0	AR1254-D (2C)	0.00000	----	-
			13237			0.01306	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	----	-
-	4.38		0	AR1260-B (2C)	0.00000	----	-
-	4.67		0	AR1260-C (2C)	0.00000	----	-
-	5.04		0	AR1260-D (2C)	0.00000	----	-
			0			0.00000	

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

SP-5-2-4

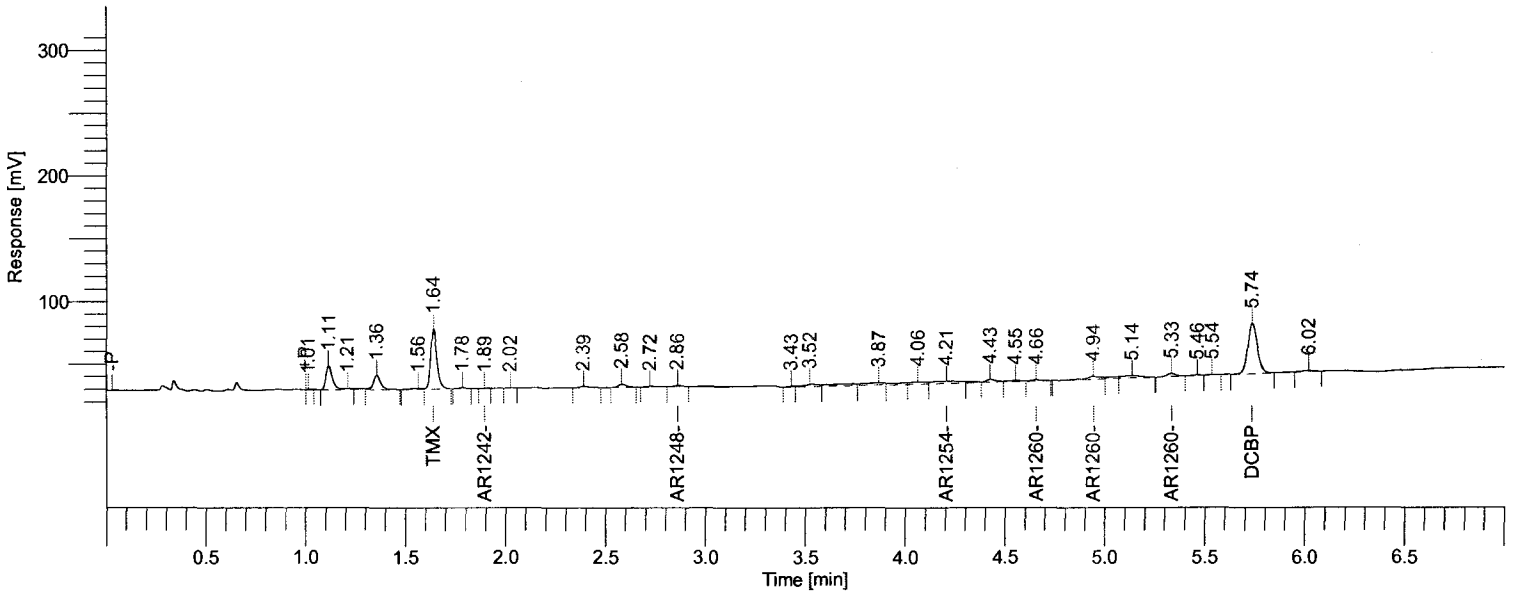
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-05	File ID:	12A96164
Sampled:	12/06/10 11:50	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 17:02
Solids:	59.79	Preparation:	3550B GC	Initial/Final:	30.45 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	28	UC
11104-28-2	Aroclor 1221	1	28	U
11141-16-5	Aroclor 1232	1	28	U
53469-21-9	Aroclor 1242	1	28	U
12672-29-6	Aroclor 1248	1	28	U
11097-69-1	Aroclor 1254	1	28	U
11096-82-5	Aroclor 1260	1	28	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Tetrachloro-m-xylene	11.0	10.7	97	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:21:42
Reprocess Number	: buf2049: 116395		
Operator	: tchrom	Sample Name	: RTL0572-05
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 17:02:39	Cycle	: 9

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96164.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96164-20101209-052135.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96164.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96164-20101209-052135.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96164-20101209-052135.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	1.64	VB	103233	TMX	0.01945	———	0
8	1.89	BB	561	AR1242-A	0.00422	0.00105	4
13	2.86	VB	3248	AR1248-A	0.01114	0.00279	4
18	4.21	VV	17293	AR1254-D	0.03705	0.00926	4
21	4.66	VB	3587	AR1260-B	0.00502	0.00126	4
22	4.94	BV	15320	AR1260-C	0.04960	0.01240	4
24	5.33	BV	8405	AR1260-D	0.03807	0.00952	4
27	5.74	VV	139494	DCBP	0.01887	———	0
			291142			0.03627	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
8	1.89	BB	561	AR1242-A	0.00422	0.00105	4
-	2.20		0	AR1242-B	0.00000	———	-
-	2.33		0	AR1242-C	0.00000	———	-
-	2.51		0	AR1242-D	0.00000	———	-
			561			0.00105	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
13	2.86	VB	3248	AR1248-A	0.01114	0.00279	4
-	2.99		0	AR1248-B	0.00000	———	-
-	3.20		0	AR1248-C	0.00000	———	-
-	3.33		0	AR1248-D	0.00000	———	-
			3248			0.00279	

12/09/10 05:21:42 Result: H:\TURBO6\5890-12\12-seq96\12a96164-20101209-052135.rst

Group Report For : AR1254

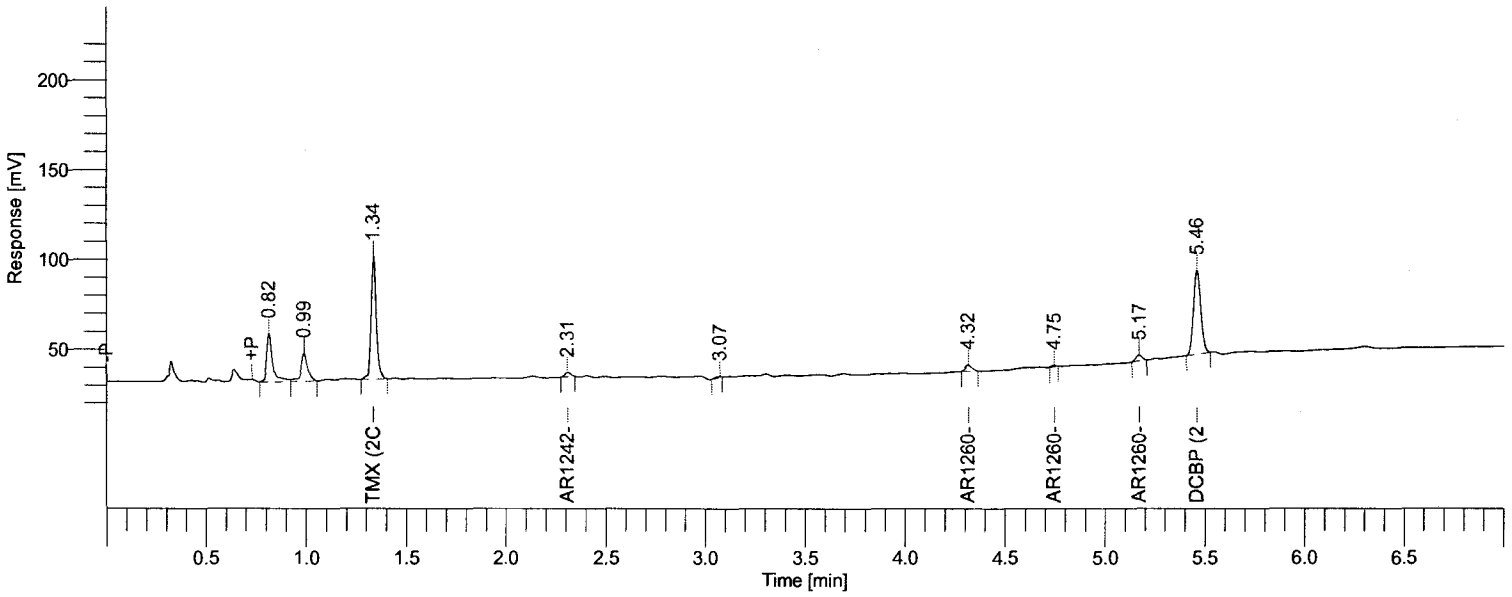
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.64		0	AR1254-A	0.00000	------	-
-	3.82		0	AR1254-B	0.00000	------	-
-	4.01		0	AR1254-C	0.00000	------	-
18	4.21	VV	17293	AR1254-D	0.03705	0.00926	4
			17293			0.00926	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.29		0	AR1260-A	0.00000	------	-
21	4.66	VB	3587	AR1260-B	0.00502	0.00126	4
22	4.94	BV	15320	AR1260-C	0.04960	0.01240	4
24	5.33	BV	8405	AR1260-D	0.03807	0.00952	4
			27312			0.02317	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:21:52
Reprocess Number	: buf2049: 116396		
Operator	: tchrom	Sample Name	: RTL0572-05
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 17:02:39	Cycle	: 9

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96164.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96164-20101209-052148.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96164.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96164-20101209-052148.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96164-20101209-052148.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	BB	122404	TMX (2C)	0.02216	——	0
4	2.31	BB	5238	AR1242-C (2C)	0.01393	0.00348	4
6	4.32	BB	8126	AR1260-B (2C)	0.01254	0.00313	4
7	4.75	BB	1268	AR1260-C (2C)	0.00205	5.12e-04	4
8	5.17	BB	6950	AR1260-D (2C)	0.03748	0.00937	4
9	5.46	BB	118150	DCBP (2C)	0.01718	——	0
			262136			0.01650	

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Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	——	-
-	2.00		0	AR1242-B (2C)	0.00000	——	-
4	2.31	BB	5238	AR1242-C (2C)	0.01393	0.00348	4
-	2.39		0	AR1242-D (2C)	0.00000	——	-
			5238			0.00348	

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	——	-
-	2.81		0	AR1248-B (2C)	0.00000	——	-
-	2.94		0	AR1248-C (2C)	0.00000	——	-
-	3.16		0	AR1248-D (2C)	0.00000	——	-
			0			0.00000	

12/09/10 05:21:52 Result: H:\TURBO6\5890-12\12-seq96\12B96164-20101209-052148.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.45		0	AR1254-A (2C)	0.00000	------	-
-	3.58		0	AR1254-B (2C)	0.00000	------	-
-	3.69		0	AR1254-C (2C)	0.00000	------	-
-	3.85		0	AR1254-D (2C)	0.00000	------	-
			0			0.00000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	------	-
6	4.32	BB	8126	AR1260-B (2C)	0.01254	0.00313	4
7	4.75	BB	1268	AR1260-C (2C)	0.00205	5.12e-04	4
8	5.17	BB	6950	AR1260-D (2C)	0.03748	0.00937	4
			16344			0.01302	

Form 1

ORGANIC ANALYSIS DATA SHEET

8082

SP-6-2-4

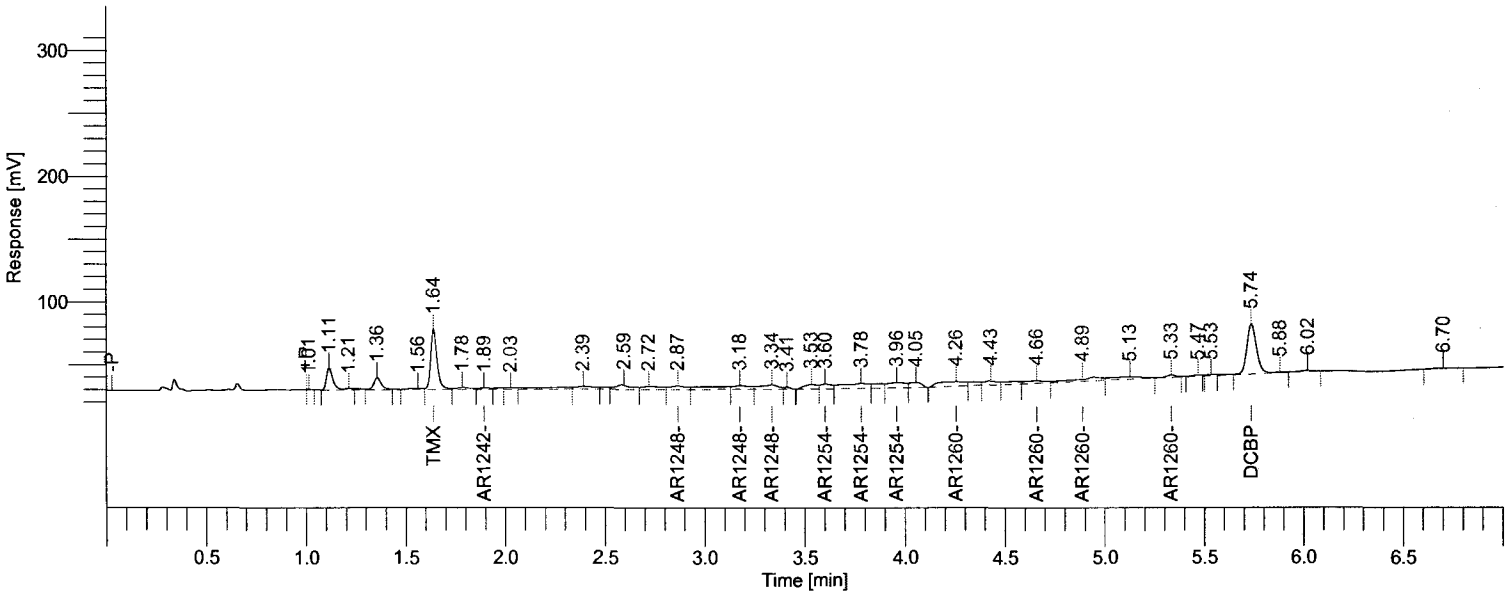
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-06	File ID:	12A96165
Sampled:	12/06/10 12:20	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 17:17
Solids:	72.48	Preparation:	3550B GC	Initial/Final:	30.69 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	23	UC
11104-28-2	Aroclor 1221	1	23	U
11141-16-5	Aroclor 1232	1	23	U
53469-21-9	Aroclor 1242	1	23	U
12672-29-6	Aroclor 1248	1	23	U
11097-69-1	Aroclor 1254	1	23	U
11096-82-5	Aroclor 1260	1	23	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.99	8.38	93	34 - 148	
Tetrachloro-m-xylene	8.99	9.05	101	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:21:57
Reprocess Number	: buf2049: 116397		
Operator	: tchrom	Sample Name	: RTL0572-06
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 17:17:22	Cycle	: 10

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96165.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96165-20101209-052153.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96165.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96165-20101209-052153.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96165-20101209-052153.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	1.64	VV	106893	TMX	0.02014	———	0
8	1.89	VV	5681	AR1242-A	0.04272	0.01068	4
13	2.87	VV	16321	AR1248-A	0.05598	0.01400	4
14	3.18	VV	18093	AR1248-C	0.02814	0.00704	4
15	3.34	VV	23115	AR1248-D	0.10441	0.02610	4
18	3.60	VV	15457	AR1254-A	0.03339	0.00835	4
19	3.78	VV	36873	AR1254-B	0.07685	0.01921	4
20	3.96	VV	27520	AR1254-C	0.05248	0.01312	4
22	4.26	BV	36182	AR1260-A	0.07288	0.01822	4
24	4.66	VV	15052	AR1260-B	0.02107	0.00527	4
25	4.89	VV	27558	AR1260-C	0.08921	0.02230	4
27	5.33	VV	8143	AR1260-D	0.03688	0.00922	4
30	5.74	VE	137879	DCBP	0.01865	------	0
			474765			0.15350	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
8	1.89	VV	5681	AR1242-A	0.04272	0.01068	4
-	2.20		0	AR1242-B	0.00000	———	-
-	2.33		0	AR1242-C	0.00000	———	-
-	2.51		0	AR1242-D	0.00000	———	-
			5681			0.01068	

12/09/10 05:21:57 Result: H:\TURBO6\5890-12\12-seq96\12a96165-20101209-052153.rst

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
13	2.87	VV	16321	AR1248-A	0.05598	0.01400	4
-	2.99		0	AR1248-B	0.00000	----	-
14	3.18	VV	18093	AR1248-C	0.02814	0.00704	4
15	3.34	VV	23115	AR1248-D	0.10441	0.02610	4
			57529			0.04713	

Group Report For : AR1254

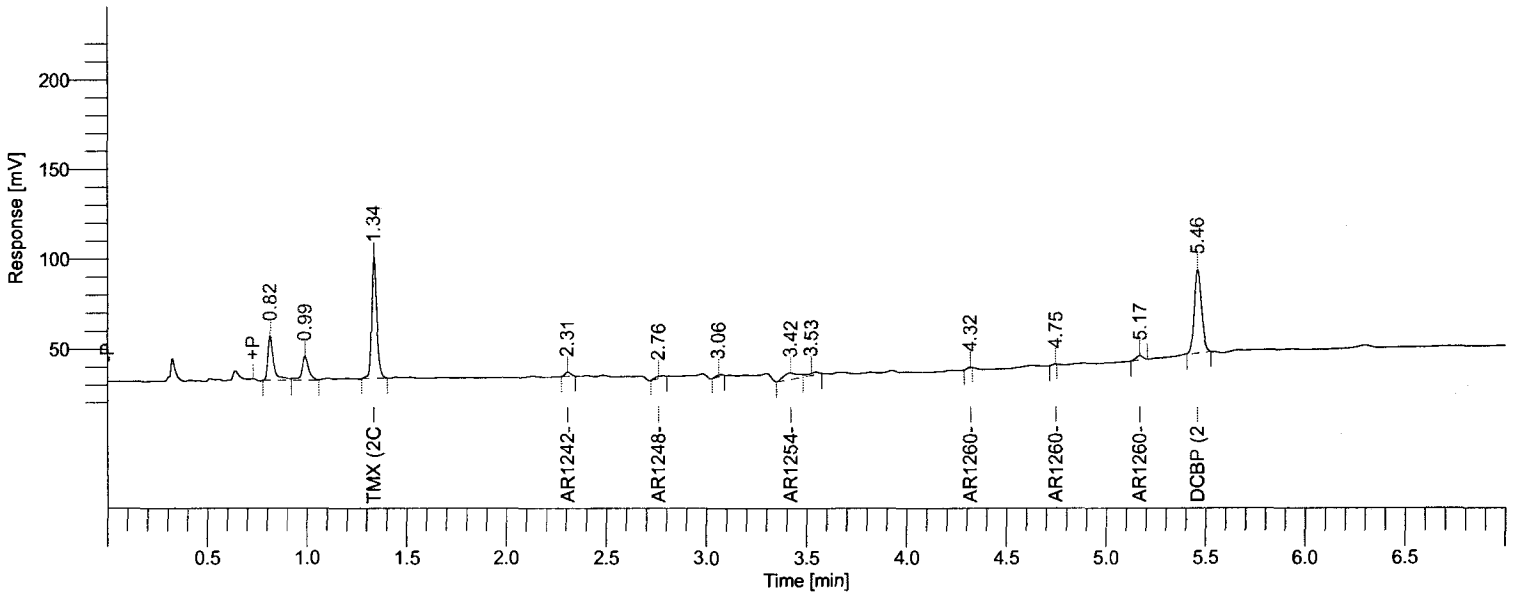
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
18	3.60	VV	15457	AR1254-A	0.03339	0.00835	4
19	3.78	VV	36873	AR1254-B	0.07685	0.01921	4
20	3.96	VV	27520	AR1254-C	0.05248	0.01312	4
-	4.18		0	AR1254-D	0.00000	----	-
			79850			0.04068	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
22	4.26	BV	36182	AR1260-A	0.07288	0.01822	4
24	4.66	VV	15052	AR1260-B	0.02107	0.00527	4
25	4.89	VV	27558	AR1260-C	0.08921	0.02230	4
27	5.33	VV	8143	AR1260-D	0.03688	0.00922	4
			86935			0.05501	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:22:04
Reprocess Number	: buf2049: 116398		
Operator	: tchrom	Sample Name	: RTL0572-06
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 17:17:22	Cycle	: 10

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96165.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96165-20101209-052159.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96165.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96165-20101209-052159.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96165-20101209-052159.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	BB	119983	TMX (2C)	0.02172	———	0
4	2.31	BB	4976	AR1242-C (2C)	0.01323	0.00331	4
5	2.76	BB	3524	AR1248-A (2C)	0.01216	0.00304	4
7	3.42	BV	18691	AR1254-A (2C)	0.03355	0.00839	4
9	4.32	BB	1001	AR1260-B (2C)	0.00154	3.86e-04	4
10	4.75	BB	579	AR1260-C (2C)	9.36e-04	2.34e-04	4
11	5.17	BV	5885	AR1260-D (2C)	0.03173	0.00793	4
12	5.46	VB	118401	DCBP (2C)	0.01722	———	0
			273039			0.02329	

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Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	———	-
-	2.00		0	AR1242-B (2C)	0.00000	———	-
4	2.31	BB	4976	AR1242-C (2C)	0.01323	0.00331	4
-	2.39		0	AR1242-D (2C)	0.00000	———	-
			4976			0.00331	

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	2.76	BB	3524	AR1248-A (2C)	0.01216	0.00304	4
-	2.81		0	AR1248-B (2C)	0.00000	———	-
-	2.94		0	AR1248-C (2C)	0.00000	———	-
-	3.16		0	AR1248-D (2C)	0.00000	———	-
			3524			0.00304	

12/09/10 05:22:04 Result: H:\TURBO6\5890-12\12-seq96\12B96165-20101209-052159.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
7	3.42	BV	18691	AR1254-A (2C)	0.03355	0.00839	4
-	3.58		0	AR1254-B (2C)	0.00000	------	-
-	3.69		0	AR1254-C (2C)	0.00000	------	-
-	3.85		0	AR1254-D (2C)	0.00000	------	-
			18691			0.00839	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	------	-
9	4.32	BB	1001	AR1260-B (2C)	0.00154	3.86e-04	4
10	4.75	BB	579	AR1260-C (2C)	9.36e-04	2.34e-04	4
11	5.17	BV	5885	AR1260-D (2C)	0.03173	0.00793	4
			7465			0.00855	

Form 1

ORGANIC ANALYSIS DATA SHEET

8082

SP-7-4-6

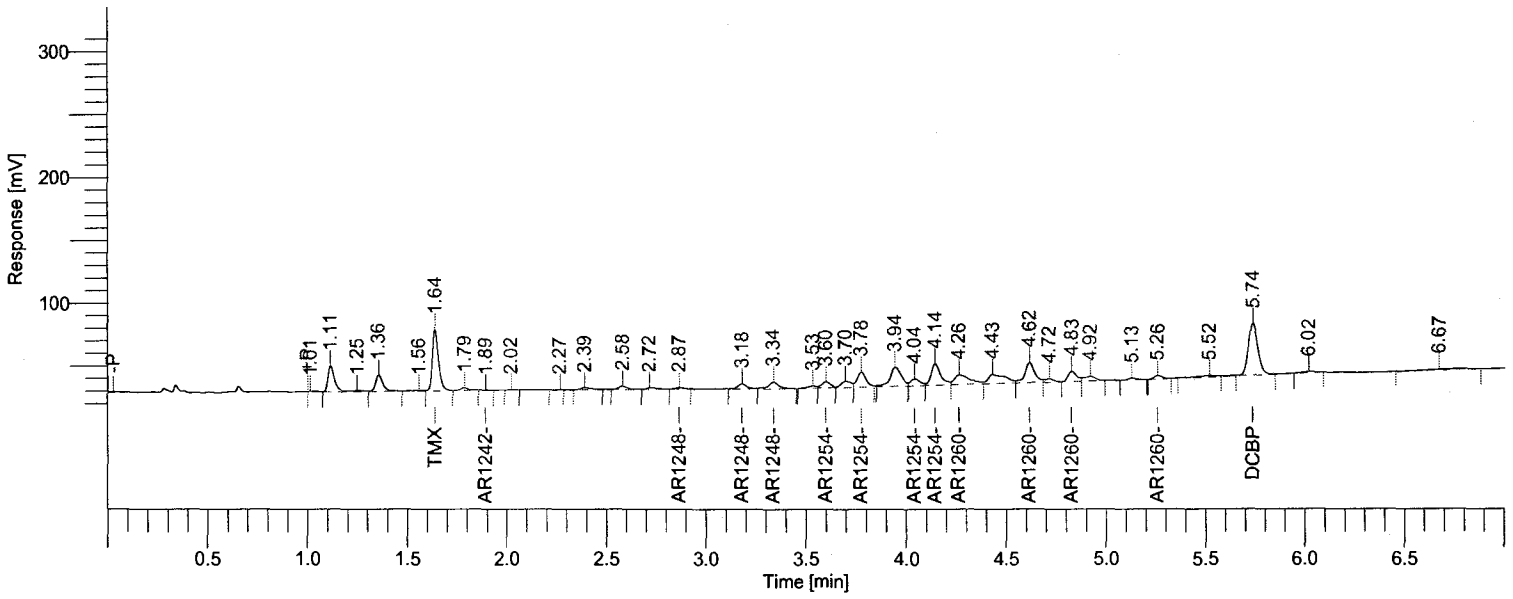
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-07	File ID:	12A96168
Sampled:	12/06/10 12:40	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 18:01
Solids:	78.89	Preparation:	3550B GC	Initial/Final:	30.02 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	21	U
11104-28-2	Aroclor 1221	1	21	U
11141-16-5	Aroclor 1232	1	21	U
53469-21-9	Aroclor 1242	1	21	U
12672-29-6	Aroclor 1248	1	21	U
11097-69-1	Aroclor 1254	1	21	U
11096-82-5	Aroclor 1260	1	29	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.44	8.04	95	34 - 148	
Tetrachloro-m-xylene	8.44	8.44	100	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:22:32
Reprocess Number	: buf2049: 116403		
Operator	: tchrom	Sample Name	: RTL0572-07
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 18:01:39	Cycle	: 13

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96168.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96168-20101209-052229.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96168.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96168-20101209-052229.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96168-20101209-052229.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	1.64	VV	106110	TMX	0.01999	——	0
8	1.89	VB	941	AR1242-A	0.00707	0.00177	4
14	2.87	VV	4506	AR1248-A	0.01546	0.00386	4
15	3.18	VV	13330	AR1248-C	0.02073	0.00518	4
16	3.34	VB	20953	AR1248-D	0.09464	0.02366	4
18	3.60	VV	14520	AR1254-A	0.03137	0.00784	4
20	3.78	VV	36263	AR1254-B	0.07558	0.01889	4
22	4.04	VV	18729	AR1254-C	0.03572	0.00893	4
23	4.14	VV	56458	AR1254-D	0.12095	0.03024	4
24	4.26	VV	40220	AR1260-A	0.08101	0.02025	4
26	4.62	VV	53628	AR1260-B	0.07507	0.01877	4
28	4.83	VV	24500	AR1260-C	0.07931	0.01983	4
31	5.26	BV	7991	AR1260-D	0.03619	0.00905	4
33	5.74	VV	140787	DCBP	0.01904	——	0
			538936			0.16828	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
8	1.89	VB	941	AR1242-A	0.00707	0.00177	4
-	2.20		0	AR1242-B	0.00000	——	-
-	2.33		0	AR1242-C	0.00000	——	-
-	2.51		0	AR1242-D	0.00000	——	-
			941			0.00177	

12/09/10 05:22:32 Result: H:\TURBO6\5890-12\12-seq96\12a96168-20101209-052229.rst

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
14	2.87	VV	4506	AR1248-A	0.01546	0.00386	4
-	2.99		0	AR1248-B	0.00000	------	-
15	3.18	VV	13330	AR1248-C	0.02073	0.00518	4
16	3.34	VB	20953	AR1248-D	0.09464	0.02366	4
			38790			0.03271	

Group Report For : AR1254

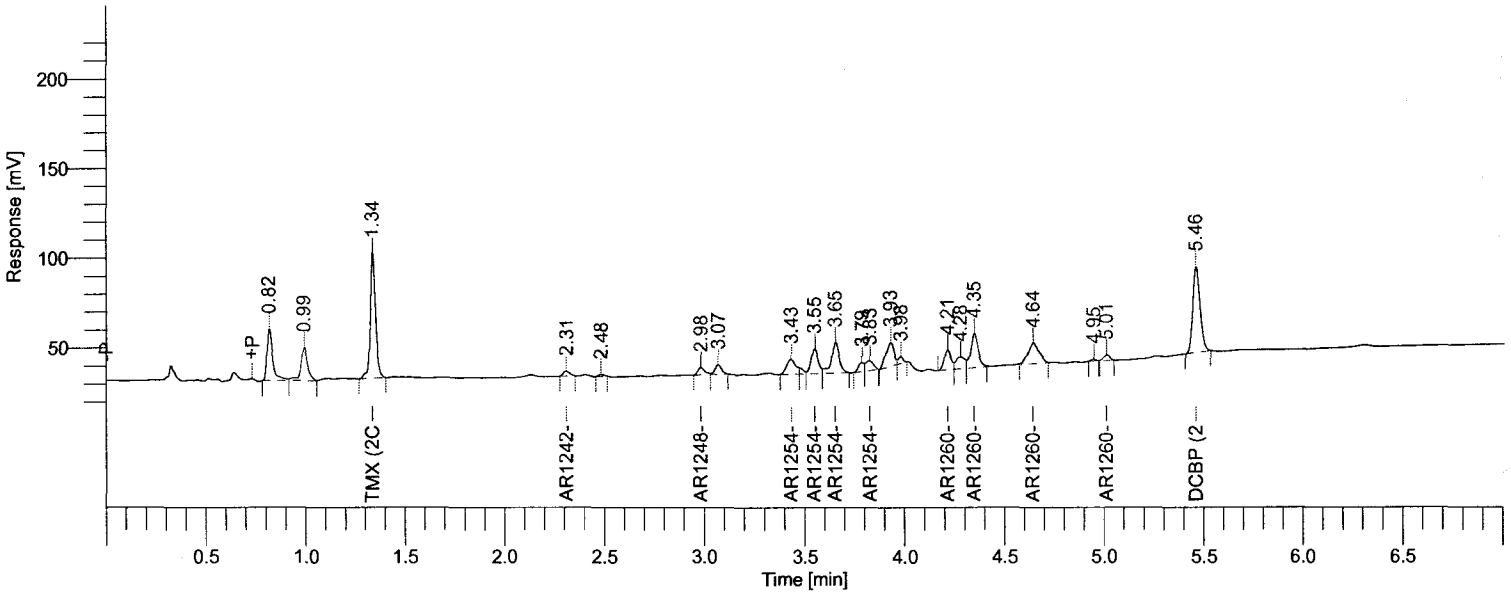
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
18	3.60	VV	14520	AR1254-A	0.03137	0.00784	4
20	3.78	VV	36263	AR1254-B	0.07558	0.01889	4
22	4.04	VV	18729	AR1254-C	0.03572	0.00893	4
23	4.14	VV	56458	AR1254-D	0.12095	0.03024	4
			125970			0.06590	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
24	4.26	VV	40220	AR1260-A	0.08101	0.02025	4
26	4.62	VV	53628	AR1260-B	0.07507	0.01877	4
28	4.83	VV	24500	AR1260-C	0.07931	0.01983	4
31	5.26	BV	7991	AR1260-D	0.03619	0.00905	4
			126339			0.06790	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:22:37
Reprocess Number	: buf2049: 116404		
Operator	: tchrom	Sample Name	: RTL0572-07
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 18:01:39	Cycle	: 13

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96168.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96168-20101209-052233.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96168.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96168-20101209-052233.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96168-20101209-052233.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	BB	127573	TMX (2C)	0.02309	———	0
4	2.31	BB	6022	AR1242-C (2C)	0.01601	0.00400	4
6	2.98	BV	9758	AR1248-C (2C)	0.02555	0.00639	4
8	3.43	BV	26388	AR1254-A (2C)	0.04736	0.01184	4
9	3.55	VV	34168	AR1254-B (2C)	0.06739	0.01685	4
10	3.65	VB	46562	AR1254-C (2C)	0.20431	0.05108	4
12	3.83	VB	14572	AR1254-D (2C)	0.04275	0.01069	4
15	4.21	BV	26449	AR1260-A (2C)	0.08739	0.02185	4
17	4.35	VV	49096	AR1260-B (2C)	0.07575	0.01894	4
18	4.64	VB	44055	AR1260-C (2C)	0.07120	0.01780	4
20	5.01	VB	6826	AR1260-D (2C)	0.03681	0.00920	4
21	5.46	BB	121523	DCBP (2C)	0.01767	———	0
			512991			0.16863	

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Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	———	-
-	2.00		0	AR1242-B (2C)	0.00000	———	-
4	2.31	BB	6022	AR1242-C (2C)	0.01601	0.00400	4
-	2.39		0	AR1242-D (2C)	0.00000	———	-
			6022			0.00400	

12/09/10 05:22:37 Result: H:\TURBO6\5890-12\12-seq96\12B96168-20101209-052233.rst

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	------	-
-	2.81		0	AR1248-B (2C)	0.00000	------	-
6	2.98	BV	9758	AR1248-C (2C)	0.02555	0.00639	4
-	3.16		0	AR1248-D (2C)	0.00000	------	-
			9758			0.00639	

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
8	3.43	BV	26388	AR1254-A (2C)	0.04736	0.01184	4
9	3.55	VV	34168	AR1254-B (2C)	0.06739	0.01685	4
10	3.65	VB	46562	AR1254-C (2C)	0.20431	0.05108	4
12	3.83	VB	14572	AR1254-D (2C)	0.04275	0.01069	4
			121689			0.09045	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
15	4.21	BV	26449	AR1260-A (2C)	0.08739	0.02185	4
17	4.35	VV	49096	AR1260-B (2C)	0.07575	0.01894	4
18	4.64	VB	44055	AR1260-C (2C)	0.07120	0.01780	4
20	5.01	VB	6826	AR1260-D (2C)	0.03681	0.00920	4
			126426			0.06778	

Form 1

ORGANIC ANALYSIS DATA SHEET

8082

SP-8-4-6

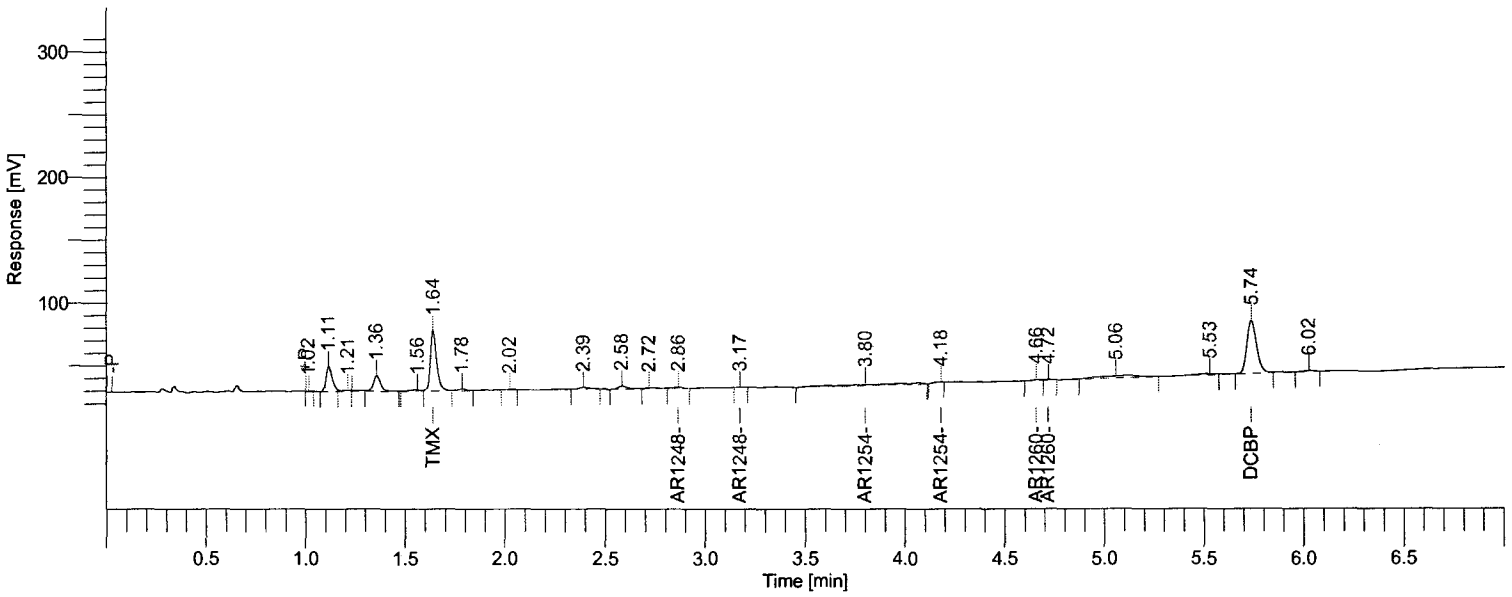
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-08	File ID:	12A96169
Sampled:	12/06/10 13:00	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 18:16
Solids:	81.04	Preparation:	3550B GC	Initial/Final:	30.97 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	20	U
11104-28-2	Aroclor 1221	1	20	U
11141-16-5	Aroclor 1232	1	20	U
53469-21-9	Aroclor 1242	1	20	U
12672-29-6	Aroclor 1248	1	20	U
11097-69-1	Aroclor 1254	1	20	U
11096-82-5	Aroclor 1260	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	7.97	7.77	98	34 - 148	
Tetrachloro-m-xylene	7.97	7.74	97	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:22:43
Reprocess Number	: buf2049: 116405		
Operator	: tchrom	Sample Name	: RTL0572-08
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 18:16:24	Cycle	: 14

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96169.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96169-20101209-052239.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96169.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96169-20101209-052239.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96169-20101209-052239.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	1.64	VV	103068	TMX	0.01942	———	0
12	2.86	VB	2933	AR1248-A	0.01006	0.00251	4
13	3.17	BB	799	AR1248-C	0.00124	3.11e-04	4
14	3.80	BB	26792	AR1254-B	0.05584	0.01396	4
15	4.18	BB	1934	AR1254-D	0.00414	0.00104	4
16	4.66	BV	2147	AR1260-B	0.00301	7.51e-04	4
17	4.72	VV	1434	AR1260-C	0.00464	0.00116	4
20	5.74	VV	144183	DCBP	0.01950	———	0
			283290			0.01973	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.91		0	AR1242-A	0.00000	———	-
-	2.20		0	AR1242-B	0.00000	———	-
-	2.33		0	AR1242-C	0.00000	———	-
-	2.51		0	AR1242-D	0.00000	———	-
			0			0.00000	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
12	2.86	VB	2933	AR1248-A	0.01006	0.00251	4
-	2.99		0	AR1248-B	0.00000	———	-
13	3.17	BB	799	AR1248-C	0.00124	3.11e-04	4
-	3.33		0	AR1248-D	0.00000	———	-
			3732			0.00283	

12/09/10 05:22:43 Result: H:\TURBO6\5890-12\12-seq96\12a96169-20101209-052239.rst

Group Report For : AR1254

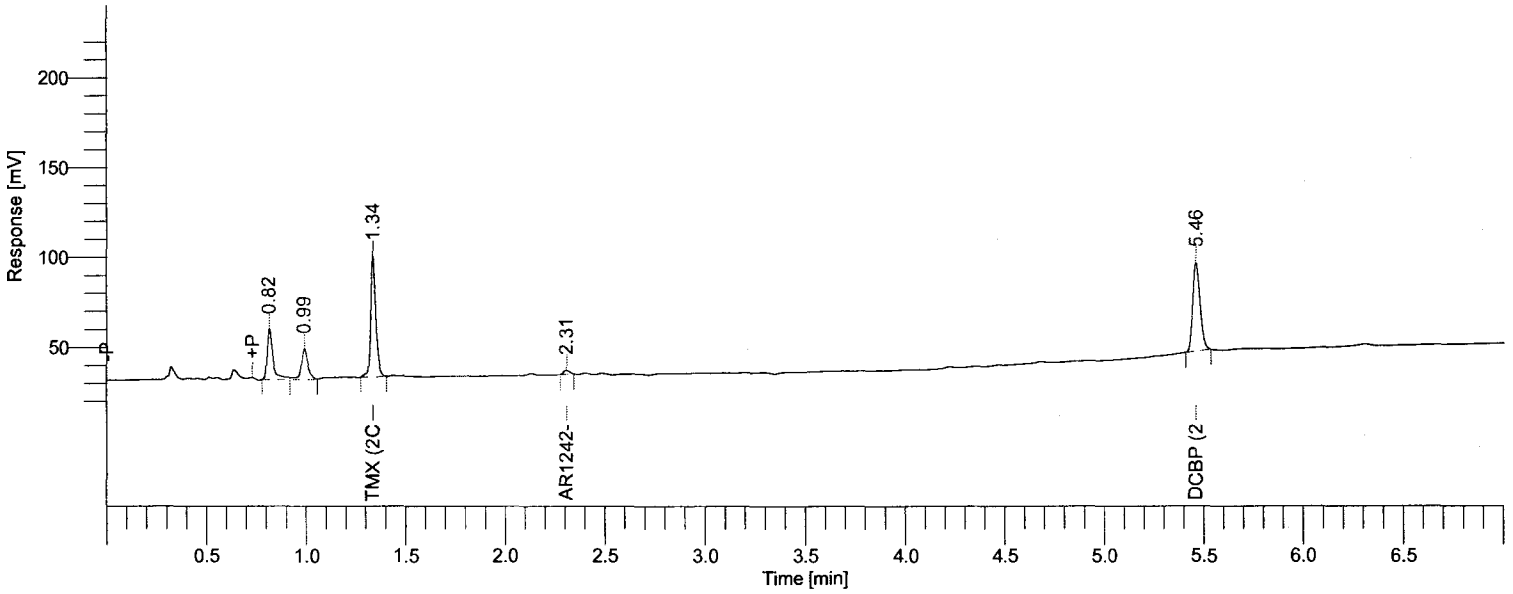
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.64		0	AR1254-A	0.00000	-------	-
14	3.80	BB	26792	AR1254-B	0.05584	0.01396	4
-	4.01		0	AR1254-C	0.00000	-------	-
15	4.18	BB	1934	AR1254-D	0.00414	0.00104	4
			28726			0.01500	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.29		0	AR1260-A	0.00000	-------	-
16	4.66	BV	2147	AR1260-B	0.00301	7.51e-04	4
17	4.72	VV	1434	AR1260-C	0.00464	0.00116	4
-	5.29		0	AR1260-D	0.00000	-------	-
			3581			0.00191	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:22:48
Reprocess Number	: buf2049: 116406		
Operator	: tchrom	Sample Name	: RTL0572-08
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 18:16:24	Cycle	: 14

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96169.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96169-20101209-052244.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96169.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96169-20101209-052244.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96169-20101209-052244.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	BB	120616	TMX (2C)	0.02183	——	0
4	2.31	BB	4842	AR1242-C (2C)	0.01287	0.00322	4
5	5.46	BB	125528	DCBP (2C)	0.01826	——	0
			250986			0.00322	

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Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	——	-
-	2.00		0	AR1242-B (2C)	0.00000	——	-
4	2.31	BB	4842	AR1242-C (2C)	0.01287	0.00322	4
-	2.39		0	AR1242-D (2C)	0.00000	——	-
			4842			0.00322	

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	——	-
-	2.81		0	AR1248-B (2C)	0.00000	——	-
-	2.94		0	AR1248-C (2C)	0.00000	——	-
-	3.16		0	AR1248-D (2C)	0.00000	——	-
			0			0.00000	

12/09/10 05:22:48 Result: H:\TURBO6\5890-12\12-seq96\12B96169-20101209-052244.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.45		0	AR1254-A (2C)	0.00000	------	-
-	3.58		0	AR1254-B (2C)	0.00000	------	-
-	3.69		0	AR1254-C (2C)	0.00000	------	-
-	3.85		0	AR1254-D (2C)	0.00000	------	-
			0			0.00000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	------	-
-	4.38		0	AR1260-B (2C)	0.00000	------	-
-	4.67		0	AR1260-C (2C)	0.00000	------	-
-	5.04		0	AR1260-D (2C)	0.00000	------	-
			0			0.00000	

Form 1

ORGANIC ANALYSIS DATA SHEET

8082

SP-9-2-4

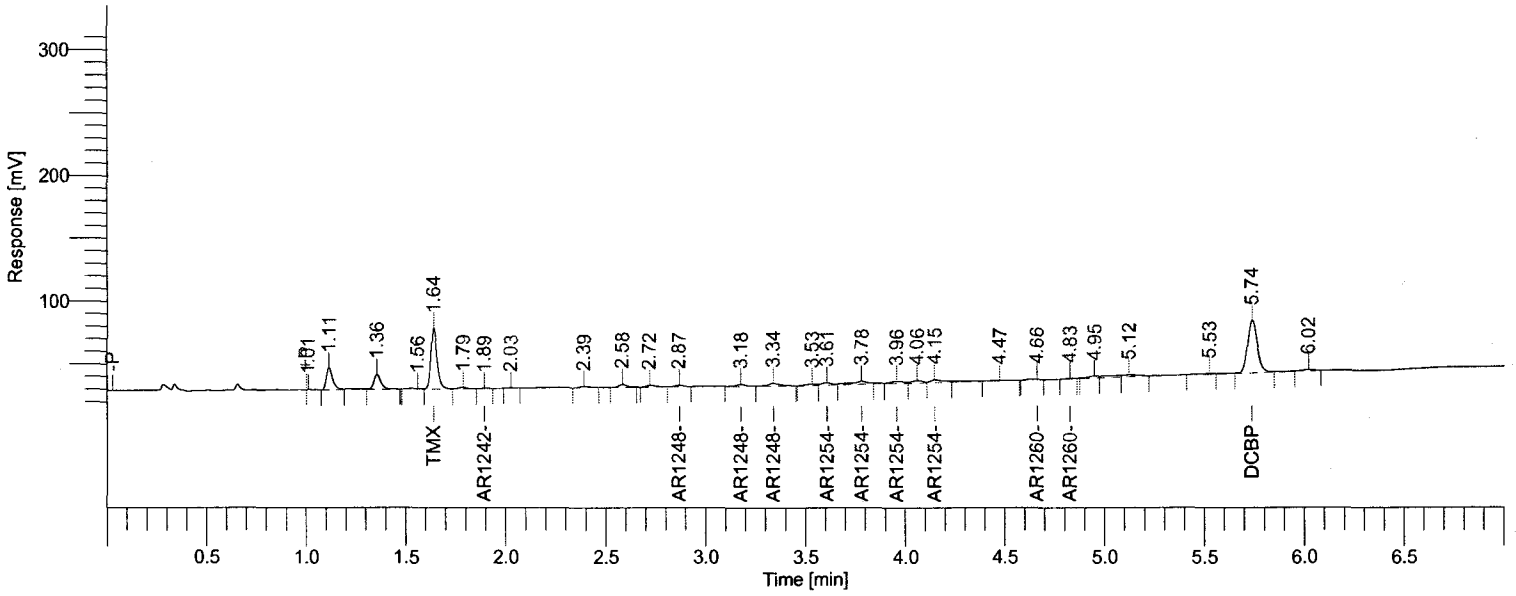
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-09	File ID:	12A96170
Sampled:	12/06/10 13:40	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 18:31
Solids:	77.64	Preparation:	3550B GC	Initial/Final:	30.7 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	21	U
11104-28-2	Aroclor 1221	1	21	U
11141-16-5	Aroclor 1232	1	21	U
53469-21-9	Aroclor 1242	1	21	U
12672-29-6	Aroclor 1248	1	21	U
11097-69-1	Aroclor 1254	1	21	U
11096-82-5	Aroclor 1260	1	21	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.39	8.12	97	34 - 148	
Tetrachloro-m-xylene	8.39	8.23	98	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:22:53
Reprocess Number	: buf2049: 116407		
Operator	: tchrom	Sample Name	: RTL0572-09
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 18:31:09	Cycle	: 15

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96170.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96170-20101209-052250.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96170.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96170-20101209-052250.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96170-20101209-052250.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.64	VV	104115	TMX	0.01962	------	0
7	1.89	VB	730	AR1242-A	0.00549	0.00137	4
12	2.87	VV	4420	AR1248-A	0.01516	0.00379	4
13	3.18	VV	7447	AR1248-C	0.01158	0.00290	4
14	3.34	VB	11466	AR1248-D	0.05179	0.01295	4
16	3.61	VV	7196	AR1254-A	0.01555	0.00389	4
17	3.78	VV	13809	AR1254-B	0.02878	0.00720	4
18	3.96	VV	9551	AR1254-C	0.01821	0.00455	4
20	4.15	VV	10289	AR1254-D	0.02204	0.00551	4
22	4.66	BV	2363	AR1260-B	0.00331	8.27e-04	4
23	4.83	VV	2360	AR1260-C	0.00764	0.00191	4
27	5.74	VV	143136	DCBP	0.01936	------	0
			316882			0.04489	

DEC 09 2010

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
7	1.89	VB	730	AR1242-A	0.00549	0.00137	4
-	2.20		0	AR1242-B	0.00000	------	-
-	2.33		0	AR1242-C	0.00000	------	-
-	2.51		0	AR1242-D	0.00000	------	-
			730			0.00137	

12/09/10 05:22:53 Result: H:\TURBO6\5890-12\12-seq96\12a96170-20101209-052250.rst

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
12	2.87	VV	4420	AR1248-A	0.01516	0.00379	4
-	2.99		0	AR1248-B	0.00000	———	-
13	3.18	VV	7447	AR1248-C	0.01158	0.00290	4
14	3.34	VB	11466	AR1248-D	0.05179	0.01295	4
			23333			0.01963	

Group Report For : AR1254

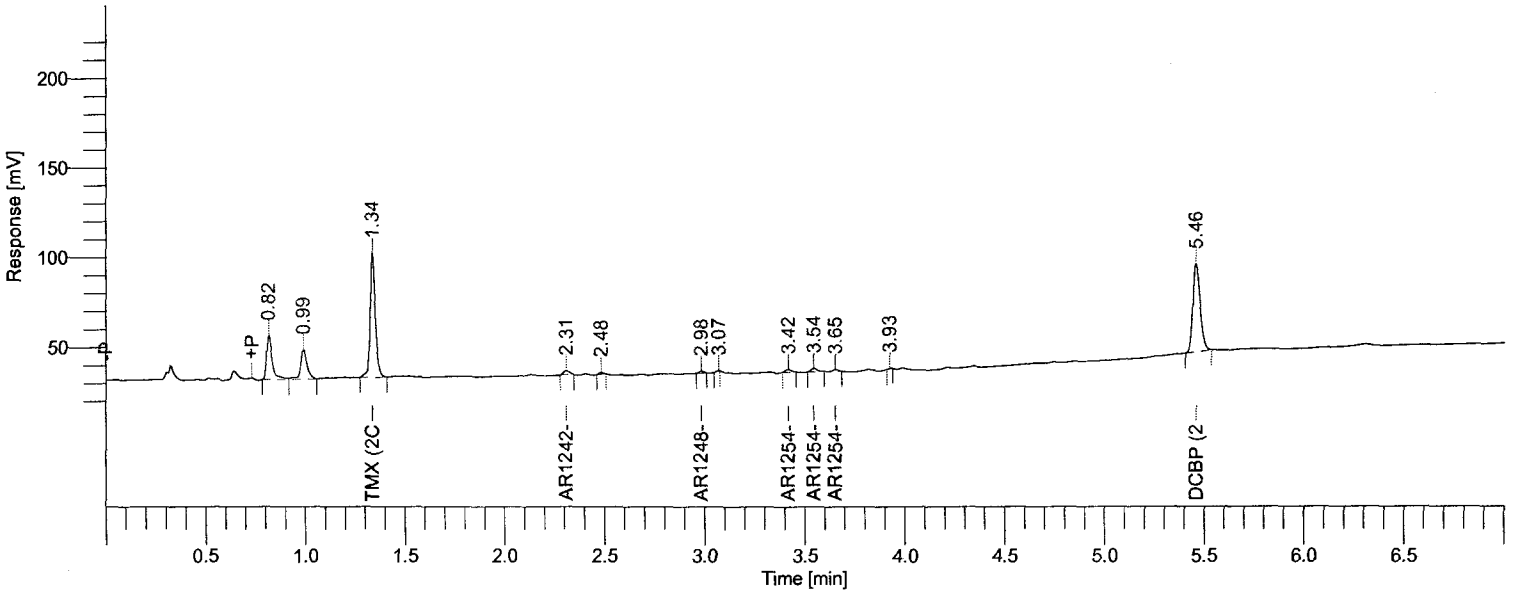
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
16	3.61	VV	7196	AR1254-A	0.01555	0.00389	4
17	3.78	VV	13809	AR1254-B	0.02878	0.00720	4
18	3.96	VV	9551	AR1254-C	0.01821	0.00455	4
20	4.15	VV	10289	AR1254-D	0.02204	0.00551	4
			40846			0.02115	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.29		0	AR1260-A	0.00000	———	-
22	4.66	BV	2363	AR1260-B	0.00331	8.27e-04	4
23	4.83	VV	2360	AR1260-C	0.00764	0.00191	4
-	5.29		0	AR1260-D	0.00000	———	-
			4723			0.00274	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:22:58
Reprocess Number	: *buf2049: 116408*		
Operator	: tchrom	Sample Name	: RTL0572-09
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 *pts/s*		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 18:31:09	Cycle	: 15

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96170.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96170-20101209-052255.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96170.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96170-20101209-052255.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96170-20101209-052255.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	BB	124667	TMX (2C)	0.02257	——	0
4	2.31	BB	4864	AR1242-C (2C)	0.01293	0.00323	4
6	2.98	BB	1756	AR1248-C (2C)	0.00460	0.00115	4
8	3.42	BB	3496	AR1254-A (2C)	0.00627	0.00157	4
9	3.54	BV	4013	AR1254-B (2C)	0.00791	0.00198	4
10	3.65	VB	2227	AR1254-C (2C)	0.00977	0.00244	4
12	5.46	BB	125004	DCBP (2C)	0.01818	——	0
			266026			0.01037	

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Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	——	-
-	2.00		0	AR1242-B (2C)	0.00000	——	-
4	2.31	BB	4864	AR1242-C (2C)	0.01293	0.00323	4
-	2.39		0	AR1242-D (2C)	0.00000	——	-
			4864			0.00323	

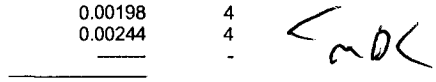
Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	——	-
-	2.81		0	AR1248-B (2C)	0.00000	——	-
6	2.98	BB	1756	AR1248-C (2C)	0.00460	0.00115	4
-	3.16		0	AR1248-D (2C)	0.00000	——	-
			1756			0.00115	

12/09/10 05:22:58 Result: H:\TURBO6\5890-12\12-seq96\12B96170-20101209-052255.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
8	3.42	BB	3496	AR1254-A (2C)	0.00627	0.00157	4
9	3.54	BV	4013	AR1254-B (2C)	0.00791	0.00198	4
10	3.65	VB	2227	AR1254-C (2C)	0.00977	0.00244	4
-	3.85		0	AR1254-D (2C)	0.00000	———	-
			9736			0.00599	



Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	———	-
-	4.38		0	AR1260-B (2C)	0.00000	———	-
-	4.67		0	AR1260-C (2C)	0.00000	———	-
-	5.04		0	AR1260-D (2C)	0.00000	———	-
			0			0.00000	

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

SP-10-2-4

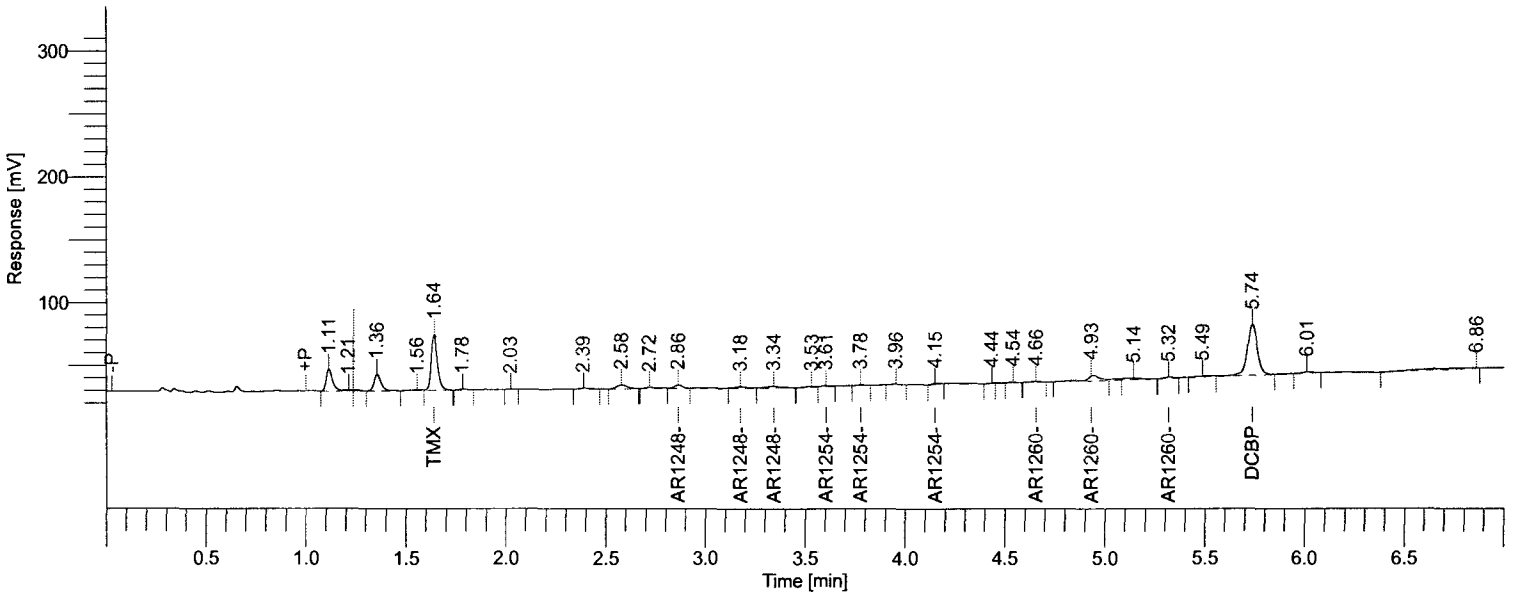
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-10	File ID:	12a96171
Sampled:	12/06/10 14:15	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 18:45
Solids:	79.40	Preparation:	3550B GC	Initial/Final:	30.78 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	21	U
11104-28-2	Aroclor 1221	1	21	U
11141-16-5	Aroclor 1232	1	21	U
53469-21-9	Aroclor 1242	1	21	U
12672-29-6	Aroclor 1248	1	21	U
11097-69-1	Aroclor 1254	1	21	U
11096-82-5	Aroclor 1260	1	21	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.18	8.05	98	34 - 148	
Tetrachloro-m-xylene	8.18	7.42	91	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:23:03
Reprocess Number	: buf2049: 116409		
Operator	: tchrom	Sample Name	: RTL0572-10
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 18:45:54	Cycle	: 16

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96171.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96171-20101209-052300.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96171.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96171-20101209-052300.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96171-20101209-052300.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.64	VB	96296	TMX	0.01815	———	0
11	2.86	VV	7826	AR1248-A	0.02685	0.00671	4
12	3.18	VV	6715	AR1248-C	0.01044	0.00261	4
13	3.34	VB	9240	AR1248-D	0.04173	0.01043	4
15	3.61	VV	3631	AR1254-A	0.00784	0.00196	4
16	3.78	VB	2181	AR1254-B	0.00455	0.00114	4
18	4.15	BB	2292	AR1254-D	0.00491	0.00123	4
21	4.66	BB	2149	AR1260-B	0.00301	7.52e-04	4
22	4.93	BV	21437	AR1260-C	0.06940	0.01735	4
24	5.32	BV	4387	AR1260-D	0.01987	0.00497	4
26	5.74	VV	145483	DCBP	0.01968	———	0
			301637			0.04715	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.91		0	AR1242-A	0.00000	———	-
-	2.20		0	AR1242-B	0.00000	———	-
-	2.33		0	AR1242-C	0.00000	———	-
-	2.51		0	AR1242-D	0.00000	———	-
			0			0.00000	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
11	2.86	VV	7826	AR1248-A	0.02685	0.00671	4
-	2.99		0	AR1248-B	0.00000	———	-
12	3.18	VV	6715	AR1248-C	0.01044	0.00261	4
13	3.34	VB	9240	AR1248-D	0.04173	0.01043	4
			23781			0.01976	

816/1158

12/09/10 05:23:03 Result: H:\TURBO6\5890-12\12-seq96\12a96171-20101209-052300.rst

Group Report For : AR1254

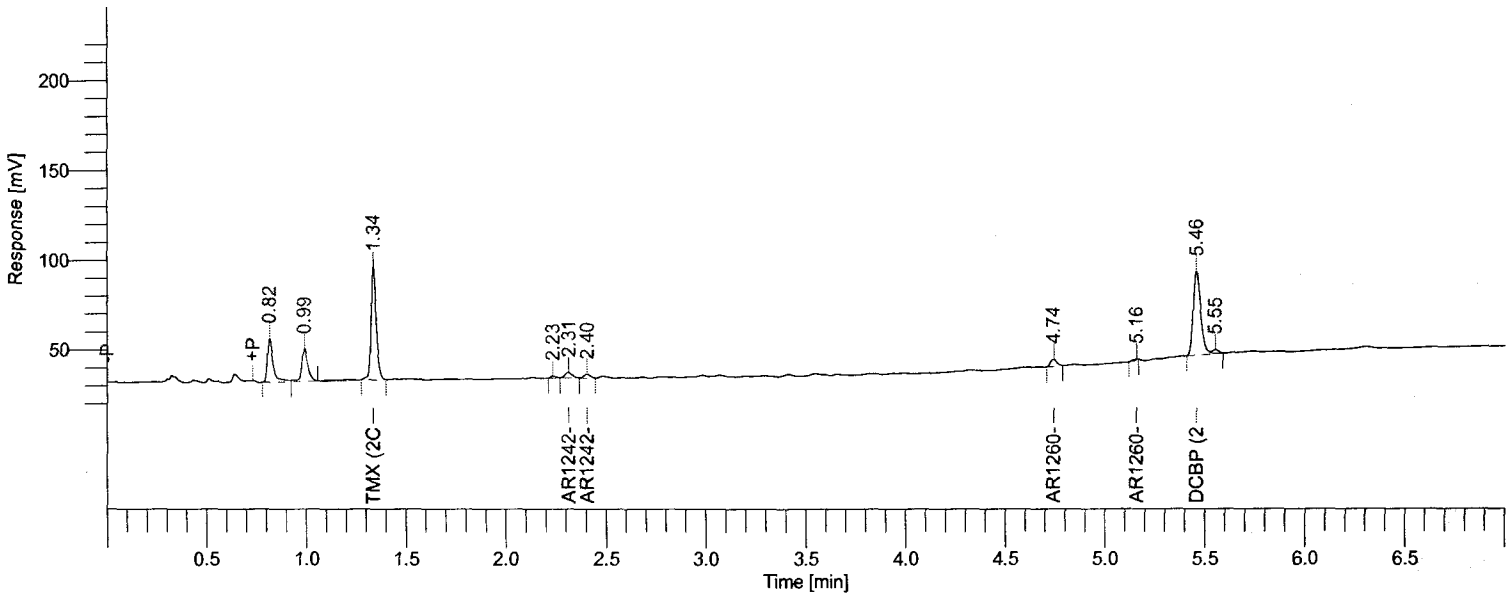
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
15	3.61	VV	3631	AR1254-A	0.00784	0.00196	4
16	3.78	VB	2181	AR1254-B	0.00455	0.00114	4
-	4.01		0	AR1254-C	0.00000	------	-
18	4.15	BB	2292	AR1254-D	0.00491	0.00123	4
			8103			0.00432	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.29		0	AR1260-A	0.00000	------	-
21	4.66	BB	2149	AR1260-B	0.00301	7.52e-04	4
22	4.93	BV	21437	AR1260-C	0.06940	0.01735	4
24	5.32	BV	4387	AR1260-D	0.01987	0.00497	4
			27973			0.02307	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:23:07
Reprocess Number	: buf2049: 116410		
Operator	: tchrom	Sample Name	: RTL0572-10
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 18:45:54	Cycle	: 16

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96171.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96171-20101209-052304.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96171.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96171-20101209-052304.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96171-20101209-052304.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	VB	112996	TMX (2C)	0.02045	——	0
5	2.31	VV	7637	AR1242-C (2C)	0.02030	0.00508	4
6	2.40	VB	5146	AR1242-D (2C)	0.03022	0.00755	4
7	4.74	BB	8682	AR1260-C (2C)	0.01403	0.00351	4
8	5.16	BB	1209	AR1260-D (2C)	0.00652	0.00163	4
9	5.46	BE	121813	DCBP (2C)	0.01772	——	0
			257483			0.01777	

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Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	——	-
-	2.00		0	AR1242-B (2C)	0.00000	——	-
5	2.31	VV	7637	AR1242-C (2C)	0.02030	0.00508	4
6	2.40	VB	5146	AR1242-D (2C)	0.03022	0.00755	4
			12783			0.01263	

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	——	-
-	2.81		0	AR1248-B (2C)	0.00000	——	-
-	2.94		0	AR1248-C (2C)	0.00000	——	-
-	3.16		0	AR1248-D (2C)	0.00000	——	-
			0			0.00000	

12/09/10 05:23:07 Result: H:\TURBO6\5890-12\12-seq96\12B96171-20101209-052304.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.45		0	AR1254-A (2C)	0.00000	———	-
-	3.58		0	AR1254-B (2C)	0.00000	———	-
-	3.69		0	AR1254-C (2C)	0.00000	———	-
-	3.85		0	AR1254-D (2C)	0.00000	———	-
			0			0.00000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	———	-
-	4.38		0	AR1260-B (2C)	0.00000	———	-
7	4.74	BB	8682	AR1260-C (2C)	0.01403	0.00351	4
8	5.16	BB	1209	AR1260-D (2C)	0.00652	0.00163	4
			9891			0.00514	

Form 1
ORGANIC ANALYSIS DATA SHEET
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SP-11-2-4

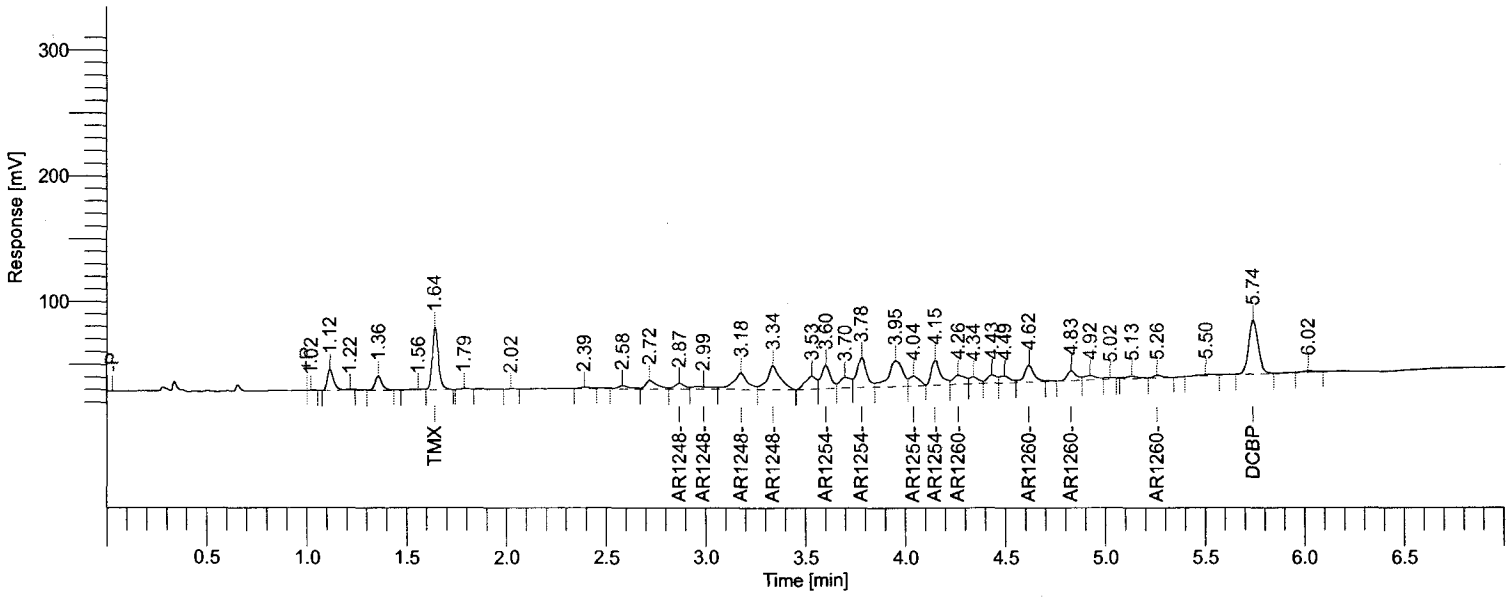
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-11	File ID:	12a96172
Sampled:	12/06/10 14:35	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 19:00
Solids:	75.57	Preparation:	3550B GC	Initial/Final:	30.96 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	21	U
11104-28-2	Aroclor 1221	1	21	U
11141-16-5	Aroclor 1232	1	21	U
53469-21-9	Aroclor 1242	1	21	U
12672-29-6	Aroclor 1248	1	21	U
11097-69-1	Aroclor 1254	1	51	P
11096-82-5	Aroclor 1260	1	25	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.55	8.47	99	34 - 148	
Tetrachloro-m-xylene	8.55	8.56	100	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:23:18
Reprocess Number	: buf2049: 116411		
Operator	: tchrom	Sample Name	: RTL0572-11
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 19:00:38	Cycle	: 17

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96172.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96172-20101209-052308.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96172.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96172-20101209-052308.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96172-20101209-052308.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	1.64	VB	106272	TMX	0.02003	——	0
12	2.87	VV	16270	AR1248-A	0.05581	0.01395	4
13	2.99	VV	14252	AR1248-B	0.06106	0.01527	4
14	3.18	VV	64355	AR1248-C	0.10009	0.02502	4
15	3.34	VB	86073	AR1248-D	0.38877	0.09719	4
17	3.60	VV	59396	AR1254-A	0.12831	0.03208	4
19	3.78	VV	79391	AR1254-B	0.16546	0.04137	4
21	4.04	VV	27106	AR1254-C	0.05169	0.01292	4
22	4.15	VV	63126	AR1254-D	0.13524	0.03381	4
23	4.26	VV	30787	AR1260-A	0.06201	0.01550	4
27	4.62	VV	44670	AR1260-B	0.06253	0.01563	4
28	4.83	VV	25243	AR1260-C	0.08172	0.02043	4
32	5.26	VB	6861	AR1260-D	0.03108	0.00777	4
34	5.74	VV	146553	DCBP	0.01982	——	0
			770354			0.33094	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.91		0	AR1242-A	0.00000	——	-
-	2.20		0	AR1242-B	0.00000	——	-
-	2.33		0	AR1242-C	0.00000	——	-
-	2.51		0	AR1242-D	0.00000	——	-
			0			0.00000	

12/09/10 05:23:18 Result: H:\TURBO6\5890-12\12-seq96\12a96172-20101209-052308.rst

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
12	2.87	VV	16270	AR1248-A	0.05581	0.01395	4
13	2.99	VV	14252	AR1248-B	0.06106	0.01527	4
14	3.18	VV	64355	AR1248-C	0.10009	0.02502	4
15	3.34	VB	86073	AR1248-D	0.38877	0.09719	4
			180950			0.15143	

Group Report For : AR1254

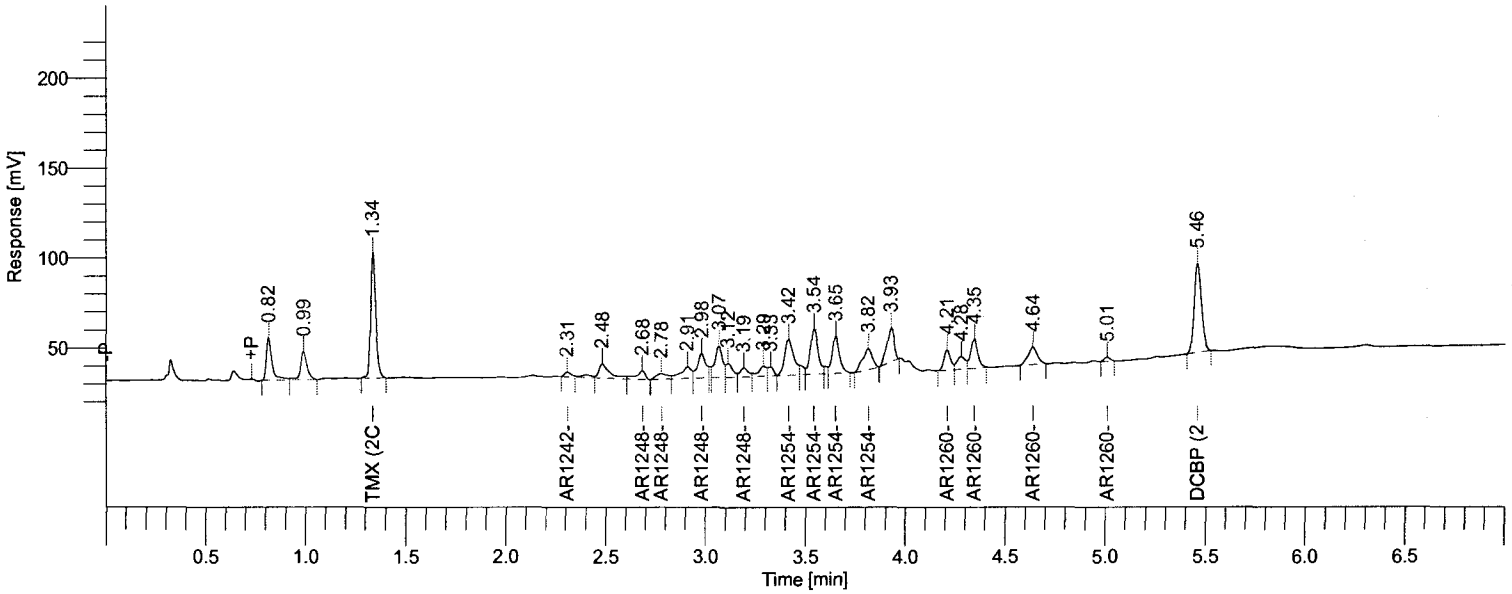
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
17	3.60	VV	59396	AR1254-A	0.12831	0.03208	4
19	3.78	VV	79391	AR1254-B	0.16546	0.04137	4
21	4.04	VV	27106	AR1254-C	0.05169	0.01292	4
22	4.15	VV	63126	AR1254-D	0.13524	0.03381	4
			229019			0.12017	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
23	4.26	VV	30787	AR1260-A	0.06201	0.01550	4
27	4.62	VV	44670	AR1260-B	0.06253	0.01563	4
28	4.83	VV	25243	AR1260-C	0.08172	0.02043	4
32	5.26	VB	6861	AR1260-D	0.03108	0.00777	4
			107561			0.05933	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:23:22
Reprocess Number	: buf2049: 116412		
Operator	: tchrom	Sample Name	: RTL0572-11
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 19:00:38	Cycle	: 17

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96172.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96172-20101209-052319.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96172.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96172-20101209-052319.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96172-20101209-052319.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	BB	123479	TMX (2C)	0.02235	------	0
4	2.31	BV	5883	AR1242-C (2C)	0.01564	0.00391	4
6	2.68	VB	15783	AR1248-A (2C)	0.05446	0.01362	4
7	2.78	BV	13404	AR1248-B (2C)	0.05438	0.01360	4
9	2.98	VV	39937	AR1248-C (2C)	0.10455	0.02614	4
12	3.19	VV	14172	AR1248-D (2C)	0.05519	0.01380	4
15	3.42	VV	64406	AR1254-A (2C)	0.11560	0.02890	4
16	3.54	VV	69958	AR1254-B (2C)	0.13798	0.03450	4
17	3.65	VB	52804	AR1254-C (2C)	0.23170	0.05793	4
18	3.82	BB	40276	AR1254-D (2C)	0.11816	0.02954	4
20	4.21	BV	26614	AR1260-A (2C)	0.08793	0.02198	4
22	4.35	VV	40998	AR1260-B (2C)	0.06325	0.01581	4
23	4.64	VB	31492	AR1260-C (2C)	0.05089	0.01272	4
24	5.01	BB	4926	AR1260-D (2C)	0.02656	0.00664	4
25	5.46	BB	125806	DCBP (2C)	0.01830	------	0
			669936			0.27908	

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Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	------	-
-	2.00		0	AR1242-B (2C)	0.00000	------	-
4	2.31	BV	5883	AR1242-C (2C)	0.01564	0.00391	4
-	2.39		0	AR1242-D (2C)	0.00000	------	-
			5883			0.00391	

12/09/10 05:23:22 Result: H:\TURBO6\5890-12\12-seq96\12B96172-20101209-052319.rst

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	2.68	VB	15783	AR1248-A (2C)	0.05446	0.01362	4
7	2.78	BV	13404	AR1248-B (2C)	0.05438	0.01360	4
9	2.98	VV	39937	AR1248-C (2C)	0.10455	0.02614	4
12	3.19	VV	14172	AR1248-D (2C)	0.05519	0.01380	4
			83296			0.06715	

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
15	3.42	VV	64406	AR1254-A (2C)	0.11560	0.02890	4
16	3.54	VV	69958	AR1254-B (2C)	0.13798	0.03450	4
17	3.65	VB	52804	AR1254-C (2C)	0.23170	0.05793	4
18	3.82	BB	40276	AR1254-D (2C)	0.11816	0.02954	4
			227444			0.15086	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
20	4.21	BV	26614	AR1260-A (2C)	0.08793	0.02198	4
22	4.35	VV	40998	AR1260-B (2C)	0.06325	0.01581	4
23	4.64	VB	31492	AR1260-C (2C)	0.05089	0.01272	4
24	5.01	BB	4926	AR1260-D (2C)	0.02656	0.00664	4
			104029			0.05716	

Form 1
ORGANIC ANALYSIS DATA SHEET
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DUP-1

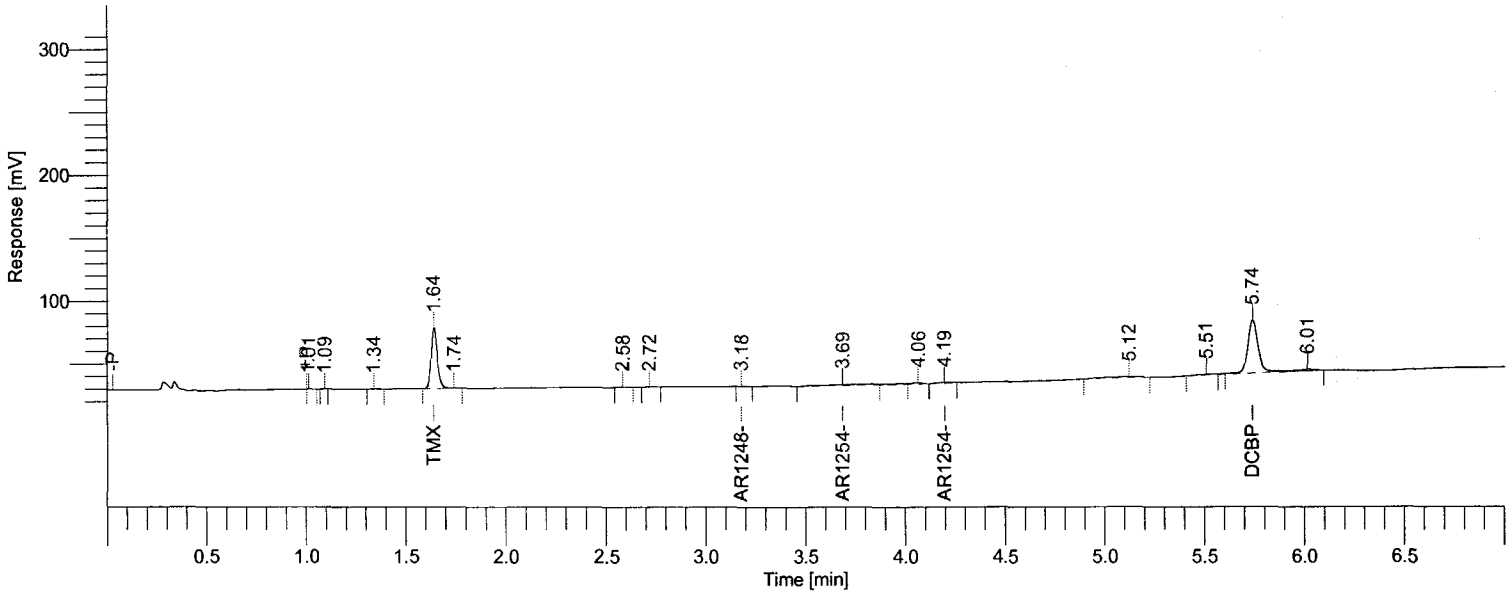
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-12	File ID:	12a96173
Sampled:	12/06/10 00:00	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 19:15
Solids:	91.02	Preparation:	3550B GC	Initial/Final:	30.11 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	18	U
11104-28-2	Aroclor 1221	1	18	U
11141-16-5	Aroclor 1232	1	18	U
53469-21-9	Aroclor 1242	1	18	U
12672-29-6	Aroclor 1248	1	18	U
11097-69-1	Aroclor 1254	1	18	U
11096-82-5	Aroclor 1260	1	18	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	7.30	7.10	97	34 - 148	
Tetrachloro-m-xylene	7.30	7.09	97	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:23:26
Reprocess Number	: buf2049: 116413		
Operator	: tchrom	Sample Name	: RTL0572-12
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 19:15:27	Cycle	: 18

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96173.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96173-20101209-052323.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96173.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96173-20101209-052323.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96173-20101209-052323.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.64	BE	103098	TMX	0.01943	——	0
8	3.18	BB	840	AR1248-C	0.00131	3.27e-04	4
9	3.69	BV	15174	AR1254-A	0.03278	0.00820	4
11	4.19	BV	5263	AR1254-D	0.01127	0.00282	4
14	5.74	VE	143850	DCBP	0.01946	——	0
			268225			0.01134	

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.91		0	AR1242-A	0.00000	——	-
-	2.20		0	AR1242-B	0.00000	——	-
-	2.33		0	AR1242-C	0.00000	——	-
-	2.51		0	AR1242-D	0.00000	——	-
			0			0.00000	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.91		0	AR1248-A	0.00000	——	-
-	2.99		0	AR1248-B	0.00000	——	-
8	3.18	BB	840	AR1248-C	0.00131	3.27e-04	4
-	3.33		0	AR1248-D	0.00000	——	-
			840			3.27e-04	

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12/09/10 05:23:26 Result: H:\TURBO6\5890-12\12-seq96\12a96173-20101209-052323.rst

Group Report For : AR1254

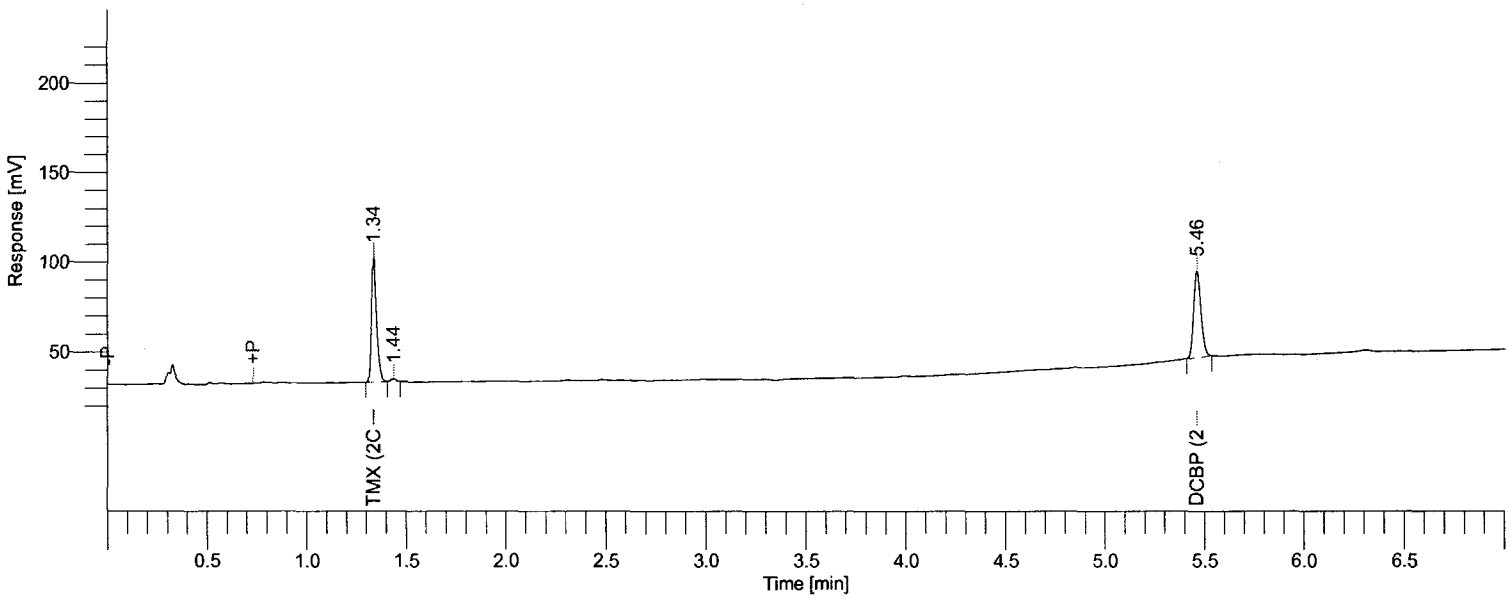
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
9	3.69	BV	15174	AR1254-A	0.03278	0.00820	4
-	3.82		0	AR1254-B	0.00000	———	-
-	4.01		0	AR1254-C	0.00000	———	-
11	4.19	BV	5263	AR1254-D	0.01127	0.00282	4
			20437			0.01101	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.29		0	AR1260-A	0.00000	———	-
-	4.65		0	AR1260-B	0.00000	———	-
-	4.86		0	AR1260-C	0.00000	———	-
-	5.29		0	AR1260-D	0.00000	———	-
			0			0.00000	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:23:33
Reprocess Number	: buf2049: 116414		
Operator	: tchrom	Sample Name	: RTL0572-12
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 19:15:27	Cycle	: 18

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96173.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96173-20101209-052328.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96173.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96173-20101209-052328.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96173-20101209-052328.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.34	BV	121702	TMX (2C)	0.02203	———	0
3	5.46	BB	122578	DCBP (2C)	0.01783	———	0
			244280			0.00000	

Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	———	-
-	2.00		0	AR1242-B (2C)	0.00000	———	-
-	2.28		0	AR1242-C (2C)	0.00000	———	-
-	2.39		0	AR1242-D (2C)	0.00000	———	-
			0			0.00000	

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Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	———	-
-	2.81		0	AR1248-B (2C)	0.00000	———	-
-	2.94		0	AR1248-C (2C)	0.00000	———	-
-	3.16		0	AR1248-D (2C)	0.00000	———	-
			0			0.00000	

12/09/10 05:23:33 Result: H:\TURBO6\5890-12\12-seq96\12B96173-20101209-052328.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.45		0	AR1254-A (2C)	0.00000	------	-
-	3.58		0	AR1254-B (2C)	0.00000	------	-
-	3.69		0	AR1254-C (2C)	0.00000	------	-
-	3.85		0	AR1254-D (2C)	0.00000	------	-
			0			0.00000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	------	-
-	4.38		0	AR1260-B (2C)	0.00000	------	-
-	4.67		0	AR1260-C (2C)	0.00000	------	-
-	5.04		0	AR1260-D (2C)	0.00000	------	-
			0			0.00000	

Form 1

ORGANIC ANALYSIS DATA SHEET

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SP-12-6-10

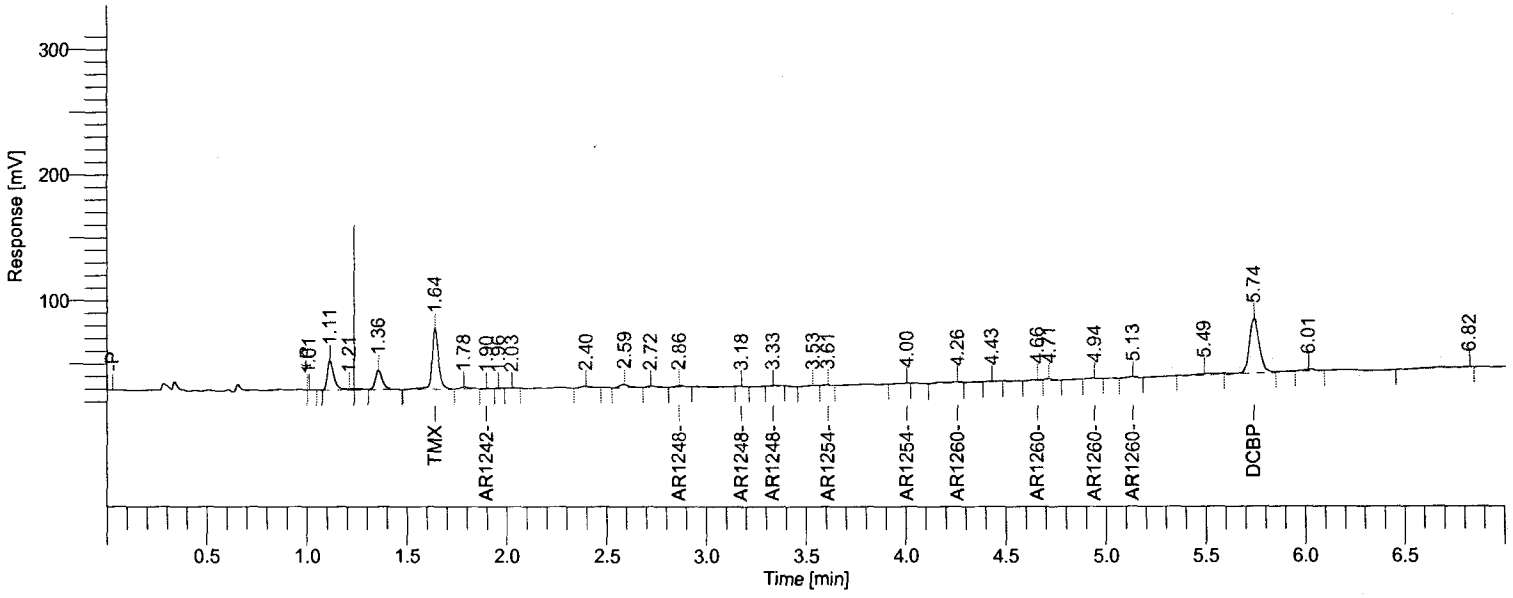
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	RTL0572-13	File ID:	12A96174
Sampled:	12/06/10 15:20	Prepared:	12/07/10 12:00	Analyzed:	12/08/10 19:30
Solids:	72.68	Preparation:	3550B GC	Initial/Final:	30.09 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	23	U
11104-28-2	Aroclor 1221	1	23	U
11141-16-5	Aroclor 1232	1	23	U
53469-21-9	Aroclor 1242	1	23	U
12672-29-6	Aroclor 1248	1	23	U
11097-69-1	Aroclor 1254	1	23	U
11096-82-5	Aroclor 1260	1	23	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	9.14	9.32	102	34 - 148	
Tetrachloro-m-xylene	9.14	9.55	104	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:23:38
Reprocess Number	: buf2049: 116415		
Operator	: tchrom	Sample Name	: RTL0572-13
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 19:30:14	Cycle	: 19

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96174.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96174-20101209-052335.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96174.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96174-20101209-052335.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96174-20101209-052335.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.64	BV	110868	TMX	0.02089	——	0
7	1.90	VV	2102	AR1242-A	0.01581	0.00395	4
13	2.86	VB	3909	AR1248-A	0.01341	0.00335	4
14	3.18	BB	1011	AR1248-C	0.00157	3.93e-04	4
15	3.33	BB	1268	AR1248-D	0.00573	0.00143	4
17	3.61	VB	1117	AR1254-A	0.00241	6.03e-04	4
18	4.00	BB	1207	AR1254-C	0.00230	5.75e-04	4
19	4.26	BV	7003	AR1260-A	0.01411	0.00353	4
21	4.66	VV	3169	AR1260-B	0.00444	0.00111	4
23	4.94	BB	1371	AR1260-C	0.00444	0.00111	4
24	5.13	BV	2333	AR1260-D	0.01057	0.00264	4
26	5.74	VV	150702	DCBP	0.02038	——	0
			286060			0.01870	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
7	1.90	VV	2102	AR1242-A	0.01581	0.00395	4
-	2.20		0	AR1242-B	0.00000	——	-
-	2.33		0	AR1242-C	0.00000	——	-
-	2.51		0	AR1242-D	0.00000	——	-
			2102			0.00395	

12/09/10 05:23:38 Result: H:\TURBO6\5890-12\12-seq96\12a96174-20101209-052335.rst

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
13	2.86	VB	3909	AR1248-A	0.01341	0.00335	4
-	2.99		0	AR1248-B	0.00000	------	-
14	3.18	BB	1011	AR1248-C	0.00157	3.93e-04	4
15	3.33	BB	1268	AR1248-D	0.00573	0.00143	4
			6189			0.00578	

Group Report For : AR1254

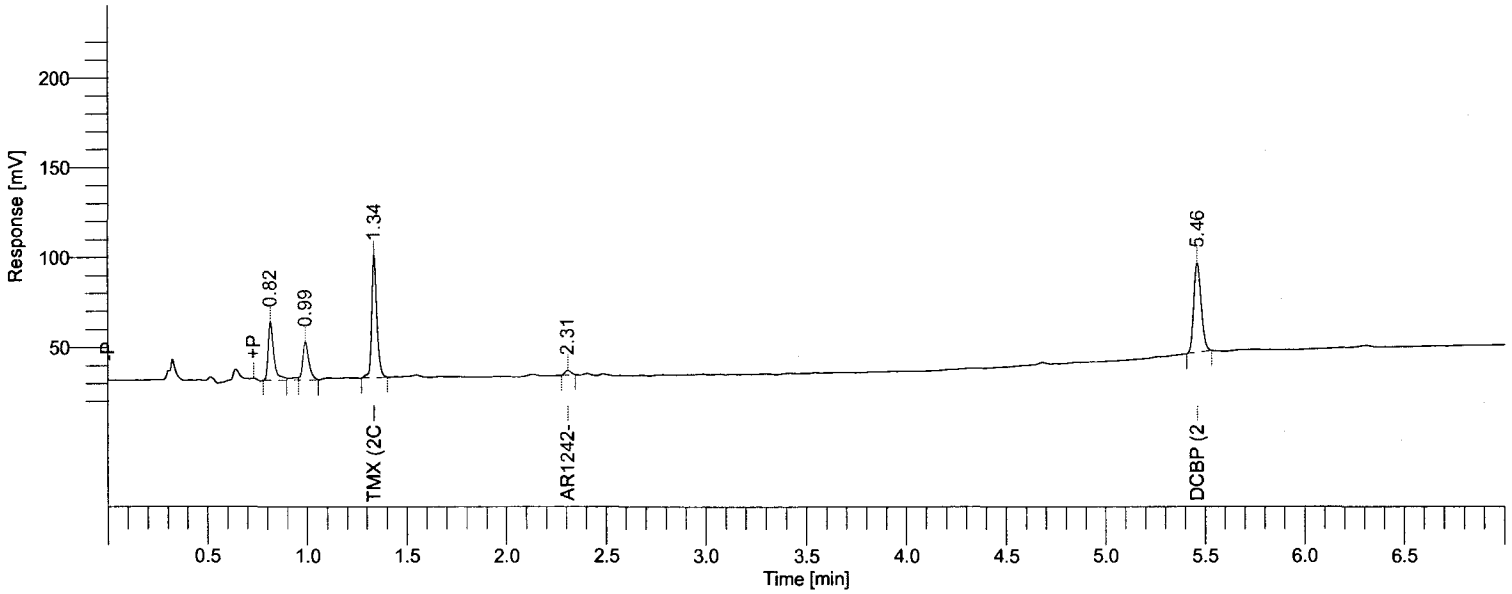
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
17	3.61	VB	1117	AR1254-A	0.00241	6.03e-04	4
-	3.82		0	AR1254-B	0.00000	------	-
18	4.00	BB	1207	AR1254-C	0.00230	5.75e-04	4
-	4.18		0	AR1254-D	0.00000	------	-
			2323			0.00118	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
19	4.26	BV	7003	AR1260-A	0.01411	0.00353	4
21	4.66	VV	3169	AR1260-B	0.00444	0.00111	4
23	4.94	BB	1371	AR1260-C	0.00444	0.00111	4
24	5.13	BV	2333	AR1260-D	0.01057	0.00264	4
			13876			0.00839	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:23:44
Reprocess Number	: buf2049: 116416		
Operator	: tchrom	Sample Name	: RTL0572-13
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 19:30:14	Cycle	: 19

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96174.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96174-20101209-052341.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96174.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96174-20101209-052341.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96174-20101209-052341.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	BB	121520	TMX (2C)	0.02200	——	0
4	2.31	BB	5355	AR1242-C (2C)	0.01424	0.00356	4
5	5.46	BB	126761	DCBP (2C)	0.01844	——	0
			253637			0.00356	

DEC 09 2010

Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	——	-
-	2.00		0	AR1242-B (2C)	0.00000	——	-
4	2.31	BB	5355	AR1242-C (2C)	0.01424	0.00356	4
-	2.39		0	AR1242-D (2C)	0.00000	——	-
			5355			0.00356	

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	——	-
-	2.81		0	AR1248-B (2C)	0.00000	——	-
-	2.94		0	AR1248-C (2C)	0.00000	——	-
-	3.16		0	AR1248-D (2C)	0.00000	——	-
			0			0.00000	

12/09/10 05:23:44 Result: H:\TURBO6\5890-12\12-seq96\12B96174-20101209-052341.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.45		0	AR1254-A (2C)	0.00000	-------	-
-	3.58		0	AR1254-B (2C)	0.00000	-------	-
-	3.69		0	AR1254-C (2C)	0.00000	-------	-
-	3.85		0	AR1254-D (2C)	0.00000	-------	-
			0			0.00000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	-------	-
-	4.38		0	AR1260-B (2C)	0.00000	-------	-
-	4.67		0	AR1260-C (2C)	0.00000	-------	-
-	5.04		0	AR1260-D (2C)	0.00000	-------	-
			0			0.00000	

Please disregard the calculated values for the coefficient of determination (COD) and the linear regression (linear r) on the Form 6's. Due to computer programming limitations they are stated incorrectly on this form. For the correct values view the Total Chrom component information report found in the raw calibration data section of the report. TestAmerica's IT group is working to resolve the situation.

Form 6

INITIAL CALIBRATION DATA

8082

Laboratory: TestAmerica Buffalo

Client: PARS Environmental, Inc.

Calibration: R10J096

SDG: RTL0572

Project: NF Armed Forces Reserve Center Solids Testi

Instrument: HP5890-12

Calibration Date: 10/16/10 19:54

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/ul	CF	ng/ul	CF	ng/ul	CF	ng/ul	CF	ng/ul	CF	ng/ul	CF
Aroclor 1016	0.025	246042	0.05	234482	0.1	276594.3	0.25	262367.7	0.5	286827	1	265132.2
Aroclor 1016 [2C]	0.025	266017	0.05	288286.2	0.1	285490	0.25	251319.7	0.5	263693.6	1	238098.3
Aroclor 1016 Peak1	0.025	343530.5	0.05	306822	0.1	338973.8	0.25	286239.8	0.5	315583	1	283929.4
Aroclor 1016 Peak1 [2C]	0.025	124708	0.05	133322	0.1	156203.6	0.25	132456	0.5	137839.9	1	123684.1
Aroclor 1016 Peak2	0.025	153033.5	0.05	151276	0.1	172396.4	0.25	157020.4	0.5	172011.2	1	158979
Aroclor 1016 Peak2 [2C]	0.025	518400	0.05	521178	0.1	497264.4	0.25	435346	0.5	455666	1	415922.9
Aroclor 1016 Peak3	0.025	375400	0.05	372994	0.1	425132.3	0.25	414874.4	0.5	457061.6	1	432524.6
Aroclor 1016 Peak3 [2C]	0.025	198544	0.05	201530	0.1	195599	0.25	197637.6	0.5	210666.6	1	188497.4
Aroclor 1016 Peak4	0.025	241920	0.05	232800	0.1	240400	0.25	195620	0.5	202652.6	1	185095.9
Aroclor 1016 Peak4 [2C]	0.025	222416	0.05	297115	0.1	292893	0.25	239839.4	0.5	250602	1	224288.8
Aroclor 1260	0.025	358042.4	0.05	420938.2	0.1	429775.5	0.25	373715.3	0.5	400983.8	1	404344.9
Aroclor 1260 [2C]	0.025	476600.4	0.05	487352.4	0.1	493451.9	0.25	414766	0.5	435638.6	1	396880.6
Aroclor 1260 Peak1	0.025	455166	0.05	509937.6	0.1	494853	0.25	424084	0.5	451721	1	460952.6
Aroclor 1260 Peak1 [2C]	0.025	337564.3	0.05	348176.4	0.1	348008	0.25	283522.2	0.5	292474.8	1	263307.4
Aroclor 1260 Peak2	0.025	659840	0.05	685350.8	0.1	687648.4	0.25	606187.6	0.5	648577.2	1	680696.8
Aroclor 1260 Peak2 [2C]	0.025	705496.8	0.05	742094.8	0.1	730761.4	0.25	609782.4	0.5	636315.2	1	579771.4
Aroclor 1260 Peak3	0.025	169984	0.05	313502	0.1	323091.5	0.25	281251.9	0.5	306609.6	1	290809.1
Aroclor 1260 Peak3 [2C]	0.025	691100	0.05	668724	0.1	685009.8	0.25	584530.8	0.5	617623.4	1	563333.8
Aroclor 1260 Peak4	0.025	147180	0.05	174962	0.1	213509.3	0.25	183337.1	0.5	197027.8	1	184921
Aroclor 1260 Peak4 [2C]	0.025	172240	0.05	190414.2	0.1	210028.5	0.25	181227.9	0.5	196141.3	1	181109.9
Decachlorobiphenyl			0.005	7067660	0.01	7164639	0.02	7420900	0.03	7550127	0.04	7187146
Decachlorobiphenyl [2C]			0.005	7135840	0.01	6952171	0.02	7084471	0.03	7076697	0.04	6684108
Tetrachloro-m-xylene			0.005	4548292	0.01	4691432	0.02	5149910	0.03	5663060	0.04	5658365
Tetrachloro-m-xylene [2C]			0.005	5337680	0.01	5365870	0.02	5606490	0.03	5819067	0.04	5606308

Form 6

INITIAL CALIBRATION DATA (Continued)

8082

Laboratory: TestAmerica Buffalo

Client: PARS Environmental, Inc.

Calibration: R10J096

SDG: RTL0572

Project: NF Armed Forces Reserve Center Solids Testi

Instrument: HP5890-12

Calibration Date: 10/16/10 19:54

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/ul	CF	ng/ul	CF	ng/ul	CF	ng/ul	CF	ng/ul	CF	ng/ul	CF
Aroclor 1016	2	244900.8										
Aroclor 1016 [2C]	2	214503.7										
Aroclor 1016 Peak1	2	255909.8										
Aroclor 1016 Peak1 [2C]	2	110317.2										
Aroclor 1016 Peak2	2	147088.7										
Aroclor 1016 Peak2 [2C]	2	378301.5										
Aroclor 1016 Peak3	2	406315.8										
Aroclor 1016 Peak3 [2C]	2	168786.3										
Aroclor 1016 Peak4	2	170289.1										
Aroclor 1016 Peak4 [2C]	2	200609.7										
Aroclor 1221			0.5	101147.1								
Aroclor 1221 [2C]			0.5	94608.18								
Aroclor 1221 Peak1			0.5	75287.6								
Aroclor 1221 Peak1 [2C]			0.5	75981.42								
Aroclor 1221 Peak2			0.5	33374.4								
Aroclor 1221 Peak2 [2C]			0.5	33956.2								
Aroclor 1221 Peak3			0.5	67273.08								
Aroclor 1221 Peak3 [2C]			0.5	76184.96								
Aroclor 1221 Peak4			0.5	228653.4								
Aroclor 1221 Peak4 [2C]			0.5	192310.2								
Aroclor 1232					0.5	163150.7						
Aroclor 1232 [2C]					0.5	159006.8						
Aroclor 1232 Peak1					0.5	195569.5						
Aroclor 1232 Peak1 [2C]					0.5	165299.4						
Aroclor 1232 Peak2					0.5	172614.6						
Aroclor 1232 Peak2 [2C]					0.5	160530.6						
Aroclor 1232 Peak3					0.5	79796.82						
Aroclor 1232 Peak3 [2C]					0.5	212778.8						
Aroclor 1232 Peak4					0.5	204622						
Aroclor 1232 Peak4 [2C]					0.5	97418.54						
Aroclor 1242							0.5	230007.8				
Aroclor 1242 [2C]							0.5	226382.4				
Aroclor 1242 Peak1							0.5	132974.7				
Aroclor 1242 Peak1 [2C]							0.5	118695.2				
Aroclor 1242 Peak2							0.5	267306.8				
Aroclor 1242 Peak2 [2C]							0.5	240405.8				
Aroclor 1242 Peak3							0.5	142177.3				
Aroclor 1242 Peak3 [2C]							0.5	376125.2				
Aroclor 1242 Peak4							0.5	377572.4				
Aroclor 1242 Peak4 [2C]							0.5	170303.3				
Aroclor 1248									0.5	347314.6		
Aroclor 1248 [2C]									0.5	293757.2		
Aroclor 1248 Peak1									0.5	291526		
Aroclor 1248 Peak1 [2C]									0.5	289787		

Form 6

INITIAL CALIBRATION DATA (Continued)

8082

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testi
Calibration: R10J096
Instrument: HP5890-12
Calibration Date: 10/16/10 19:54

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/ul	CF	ng/ul	CF	ng/ul	CF	ng/ul	CF	ng/ul	CF	ng/ul	CF
Aroclor 1248 Peak2									0.5	233390.6		
Aroclor 1248 Peak2 [2C]									0.5	246477.4		
Aroclor 1248 Peak3									0.5	642942.8		
Aroclor 1248 Peak3 [2C]									0.5	381981.2		
Aroclor 1248 Peak4									0.5	221398.6		
Aroclor 1248 Peak4 [2C]									0.5	256783.2		
Aroclor 1254											0.5	483475.8
Aroclor 1254 [2C]											0.5	408228
Aroclor 1254 Peak1											0.5	462907
Aroclor 1254 Peak1 [2C]											0.5	557134.4
Aroclor 1254 Peak2											0.5	479810.2
Aroclor 1254 Peak2 [2C]											0.5	507013.2
Aroclor 1254 Peak3											0.5	524403.2
Aroclor 1254 Peak3 [2C]											0.5	227892.4
Aroclor 1254 Peak4											0.5	466782.6
Aroclor 1254 Peak4 [2C]											0.5	340872
Aroclor 1260	2	381993.2										
Aroclor 1260 [2C]	2	366659.6										
Aroclor 1260 Peak1	2	425958.6										
Aroclor 1260 Peak1 [2C]	2	245622.3										
Aroclor 1260 Peak2	2	651685										
Aroclor 1260 Peak2 [2C]	2	532956										
Aroclor 1260 Peak3	2	277992.4										
Aroclor 1260 Peak3 [2C]	2	521124										
Aroclor 1260 Peak4	2	172336.8										
Aroclor 1260 Peak4 [2C]	2	166936.2										
Decachlorobiphenyl	0.05	6864202										
Decachlorobiphenyl [2C]	0.05	6321158										
Tetrachloro-m-xylene	0.05	5725286										
Tetrachloro-m-xylene [2C]	0.05	5409690										

Form 6

INITIAL CALIBRATION DATA (Continued)

8082

Laboratory: TestAmerica Buffalo

Client: PARS Environmental, Inc.

Calibration: R10J096

SDG: RTL0572

Project: NF Armed Forces Reserve Center Solids Testi

Instrument: HP5890-12

Calibration Date: 10/16/10 19:54

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ng/ul	CF	ng/ul	CF	ng/ul	CF	ng/ul	CF	ng/ul	CF	ng/ul	CF
Aroclor 1262	0.5	497112.4										
Aroclor 1262 [2C]	0.5	505546.2										
Aroclor 1262 Peak1	0.5	381449.4										
Aroclor 1262 Peak1 [2C]	0.5	328838.8										
Aroclor 1262 Peak2	0.5	242837.8										
Aroclor 1262 Peak2 [2C]	0.5	659134.8										
Aroclor 1262 Peak3	0.5	589994.8										
Aroclor 1262 Peak3 [2C]	0.5	766124.6										
Aroclor 1262 Peak4	0.5	774167.6										
Aroclor 1262 Peak4 [2C]	0.5	268087										
Aroclor 1268			0.5	1026512								
Aroclor 1268 [2C]			0.5	880075.4								
Aroclor 1268 Peak1			0.5	946076.8								
Aroclor 1268 Peak1 [2C]			0.5	650731								
Aroclor 1268 Peak2			0.5	355072.8								
Aroclor 1268 Peak2 [2C]			0.5	327461.6								
Aroclor 1268 Peak3			0.5	2230512								
Aroclor 1268 Peak3 [2C]			0.5	2006324								
Aroclor 1268 Peak4			0.5	574388.4								
Aroclor 1268 Peak4 [2C]			0.5	535784.8								

Form 6

INITIAL CALIBRATION DATA (Continued)

8082

Laboratory: TestAmerica Buffalo

Client: PARS Environmental, Inc.

Calibration: R10J096

SDG: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing

Instrument: HP5890-12

Calibration Date: 10/16/10 19:54

Compound	Mean CF	CF RSD	Mean RT	RT RSD	r^2 or COD	LIMIT	Q
Aroclor 1016	259478	7.208384	2.588986	3.961348E-02	0.9965271	0.99	
Aroclor 1016 [2C]	258201.2	10.1266	2.751572	7.333555E-02	0.9933636	0.99	
Aroclor 1016 Peak1	304426.9	10.35087	2.204453	6.402088E-02	0.9935373	0.99	
Aroclor 1016 Peak1 [2C]	131218.7	10.82267	1.742226	9.333957E-02	0.9920035	0.99	
Aroclor 1016 Peak2	158829.3	6.241316	2.332977	7.151037E-02	0.9966026	0.99	
Aroclor 1016 Peak2 [2C]	460297	11.82817	2.308595	4.710279E-02	0.9945583	0.99	
Aroclor 1016 Peak3	412043.2	7.365144	2.513864	4.973421E-02	0.9980412	0.99	
Aroclor 1016 Peak3 [2C]	194465.8	6.755165	2.411714	6.421302E-02	0.9927785	0.99	
Aroclor 1016 Peak4	209825.4	13.64821	2.588986	3.961348E-02	0.9951854	0.99	
Aroclor 1016 Peak4 [2C]	246823.4	14.75127	2.751572	7.333555E-02	0.9919606	0.99	
Aroclor 1260	395684.8	6.517254	5.29507	3.384279E-02	0.9989697	0.99	
Aroclor 1260 [2C]	438764.2	11.13518	5.073133	0.0203194	0.995625	0.99	
Aroclor 1260 Peak1	460381.8	7.009934	4.302471	0.1049036	0.9980959	0.99	
Aroclor 1260 Peak1 [2C]	302667.9	13.89914	4.27646	2.861142E-02	0.9955614	0.99	
Aroclor 1260 Peak2	659998	4.343539	4.653197	2.218496E-02	0.9993588	0.99	
Aroclor 1260 Peak2 [2C]	648168.3	12.35795	4.409691	0.0217329	0.9951682	0.99	
Aroclor 1260 Peak3	280462.9	18.36151	4.864867	1.872065E-02	0.9987104	0.99	
Aroclor 1260 Peak3 [2C]	618778	10.61716	4.70557	1.701394E-02	0.9958494	0.99	
Aroclor 1260 Peak4	181896.3	11.40955	5.29507	3.384279E-02	0.9973022	0.99	
Aroclor 1260 Peak4 [2C]	185442.6	7.928317	5.073133	0.0203194	0.9962022	0.99	
Decachlorobiphenyl	7209112	3.412332	5.778064	1.380965E-02	0.995154	0.99	
Decachlorobiphenyl [2C]	6875741	4.607128	5.524208	1.350351E-02	0.9921911	0.99	
Tetrachloro-m-xylene	5239391	10.0162	1.677194	6.711944E-02	0.9951419	0.99	
Tetrachloro-m-xylene [2C]	5524184	3.371392	1.384097	3.917134E-02	0.9973265	0.99	

Form 7

CONTINUING CALIBRATION CHECK

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5890-12	Calibration:	R10J096
Lab File ID:	12a96154	Calibration Date:	10/16/10 19:54
Sequence:	T005619	Injection Date:	12/08/10
Lab Sample ID:	T005619-CCV1	Injection Time:	14:34

		CONC. (ng/ul)		CALIBRATION FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Aroclor 1016	L0	0.500	0.582	259478	338315.4		16.4	15	*
Aroclor 1016 [2C]	L0	0.500	0.605	258201.2	308934.6		20.9	15	*
Aroclor 1016 Peak1	L0	0.500	0.570	304426.9	371260		13.9	15	
Aroclor 1016 Peak1 [2C]	L0	0.500	0.621	131218.7	162844.5		24.1	15	*
Aroclor 1016 Peak2	L0	0.500	0.603	158829.3	209402.8		20.6	15	*
Aroclor 1016 Peak2 [2C]	L0	0.500	0.593	460297	545834.6		18.6	15	*
Aroclor 1016 Peak3	L0	0.500	0.583	412043.2	532251.6		16.5	15	*
Aroclor 1016 Peak3 [2C]	L0	0.500	0.647	194465.8	251785.2		29.5	15	*
Aroclor 1016 Peak4	L0	0.500	0.572	209825.4	240347.2		14.5	15	
Aroclor 1016 Peak4 [2C]	L0	0.500	0.558	246823.4	275274		11.5	15	
Aroclor 1260	L0	0.500	0.483	395684.8	434255.2		-3.4	15	
Aroclor 1260 [2C]	L0	0.500	0.480	438764.2	426725		-3.9	15	
Aroclor 1260 Peak1	L0	0.500	0.531	460381.8	527588.4		6.3	15	
Aroclor 1260 Peak1 [2C]	L0	0.500	0.450	302667.9	272141.4		-10.1	15	
Aroclor 1260 Peak2	L0	0.500	0.508	659998	726032.4		1.6	15	
Aroclor 1260 Peak2 [2C]	L0	0.500	0.487	648168.3	630754.4		-2.7	15	
Aroclor 1260 Peak3	L0	0.500	0.508	280462.9	314137.4		1.7	15	
Aroclor 1260 Peak3 [2C]	L0	0.500	0.506	618778	626340.6		1.2	15	
Aroclor 1260 Peak4	L0	0.500	0.383	181896.3	169262.8		-23.3	15	*
Aroclor 1260 Peak4 [2C]	L0	0.500	0.479	185442.6	177663.5		-4.2	15	
Decachlorobiphenyl	L0	0.0300	0.0328	7209112	8089037		9.4		
Decachlorobiphenyl [2C]	L0	0.0300	0.0272	6875741	6226417		-9.4		
Tetrachloro-m-xylene	L0	0.0300	0.0338	5239391	5970827		12.5		
Tetrachloro-m-xylene [2C]	L0	0.0300	0.0352	5524184	6475537		17.2		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:

A: Average RF
L: Linear through Intercept
Q: Quadratic
L0: Linear forced through Zero
L1: 1/x Weighted Linear through Intercept
L2: 1/x2 Weighted Linear through Intercept
L01: 1/x Weighted Linear forced through Zero
L02: 1/x2 Weighted Linear forced through Zero

Form 7

CONTINUING CALIBRATION CHECK

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5890-12	Calibration:	R10J096
Lab File ID:	12a96166	Calibration Date:	10/16/10 19:54
Sequence:	T005619	Injection Date:	12/08/10
Lab Sample ID:	T005619-CCV2	Injection Time:	17:32

		CONC. (ng/ul)		CALIBRATION FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Aroclor 1016	L0	0.500	0.549	259478	321175.6		9.8	15	
Aroclor 1016 [2C]	L0	0.500	0.600	258201.2	307457.4		20.0	15	*
Aroclor 1016 Peak1	L0	0.500	0.537	304426.9	350043.8		7.4	15	
Aroclor 1016 Peak1 [2C]	L0	0.500	0.602	131218.7	158011.8		20.4	15	*
Aroclor 1016 Peak2	L0	0.500	0.553	158829.3	191859.8		10.5	15	
Aroclor 1016 Peak2 [2C]	L0	0.500	0.586	460297	539263.6		17.2	15	*
Aroclor 1016 Peak3	L0	0.500	0.564	412043.2	515137		12.8	15	
Aroclor 1016 Peak3 [2C]	L0	0.500	0.627	194465.8	244007.4		25.5	15	*
Aroclor 1016 Peak4	L0	0.500	0.542	209825.4	227661.4		8.4	15	
Aroclor 1016 Peak4 [2C]	L0	0.500	0.585	246823.4	288546.8		16.9	15	*
Aroclor 1260	L0	0.500	0.444	395684.8	401406.8		-11.2	15	
Aroclor 1260 [2C]	L0	0.500	0.433	438764.2	387923.6		-13.5	15	
Aroclor 1260 Peak1	L0	0.500	0.503	460381.8	499129.6		0.5	15	
Aroclor 1260 Peak1 [2C]	L0	0.500	0.450	302667.9	272122.2		-10.1	15	
Aroclor 1260 Peak2	L0	0.500	0.465	659998	664989.8		-6.9	15	
Aroclor 1260 Peak2 [2C]	L0	0.500	0.456	648168.3	590626		-8.9	15	
Aroclor 1260 Peak3	L0	0.500	0.479	280462.9	295844.8		-4.2	15	
Aroclor 1260 Peak3 [2C]	L0	0.500	0.442	618778	546814.2		-11.6	15	
Aroclor 1260 Peak4	L0	0.500	0.330	181896.3	145663.1		-34.0	15	*
Aroclor 1260 Peak4 [2C]	L0	0.500	0.383	185442.6	142131.8		-23.4	15	*
Decachlorobiphenyl	L0	0.0300	0.0291	7209112	7168473		-3.0		
Decachlorobiphenyl [2C]	L0	0.0300	0.0271	6875741	6203290		-9.8		
Tetrachloro-m-xylene	L0	0.0300	0.0332	5239391	5875117		10.7		
Tetrachloro-m-xylene [2C]	L0	0.0300	0.0352	5524184	6483217		17.4		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:

A: Average RF
L: Linear through Intercept
Q: Quadratic
L0: Linear forced through Zero
L1: 1/x Weighted Linear through Intercept
L2: 1/x2 Weighted Linear through Intercept
L01: 1/x Weighted Linear forced through Zero
L02: 1/x2 Weighted Linear forced through Zero

Form 7

CONTINUING CALIBRATION CHECK

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Instrument ID:	HP5890-12	Calibration:	R10J096
Lab File ID:	12a96175	Calibration Date:	10/16/10 19:54
Sequence:	T005619	Injection Date:	12/08/10
Lab Sample ID:	T005619-CCV3	Injection Time:	19:44

		CONC. (ng/ul)		CALIBRATION FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Aroclor 1016	L0	0.500	0.547	259478	319313.2		9.5	15
Aroclor 1016 [2C]	L0	0.500	0.585	258201.2	298082.8		16.9	15 *
Aroclor 1016 Peak1	L0	0.500	0.522	304426.9	340055.2		4.4	15
Aroclor 1016 Peak1 [2C]	L0	0.500	0.592	131218.7	155366.9		18.4	15 *
Aroclor 1016 Peak2	L0	0.500	0.559	158829.3	193930.6		11.7	15
Aroclor 1016 Peak2 [2C]	L0	0.500	0.563	460297	518406.6		12.6	15
Aroclor 1016 Peak3	L0	0.500	0.562	412043.2	513477.8		12.4	15
Aroclor 1016 Peak3 [2C]	L0	0.500	0.625	194465.8	242888		24.9	15 *
Aroclor 1016 Peak4	L0	0.500	0.547	209825.4	229789		9.4	15
Aroclor 1016 Peak4 [2C]	L0	0.500	0.558	246823.4	275670.2		11.7	15
Aroclor 1260	L0	0.500	0.461	395684.8	416057		-7.8	15
Aroclor 1260 [2C]	L0	0.500	0.434	438764.2	386951.6		-13.3	15
Aroclor 1260 Peak1	L0	0.500	0.520	460381.8	516611.2		4.1	15
Aroclor 1260 Peak1 [2C]	L0	0.500	0.458	302667.9	277241		-8.4	15
Aroclor 1260 Peak2	L0	0.500	0.482	659998	688699.4		-3.6	15
Aroclor 1260 Peak2 [2C]	L0	0.500	0.453	648168.3	587430.6		-9.4	15
Aroclor 1260 Peak3	L0	0.500	0.493	280462.9	304757.6		-1.3	15
Aroclor 1260 Peak3 [2C]	L0	0.500	0.436	618778	539185.4		-12.9	15
Aroclor 1260 Peak4	L0	0.500	0.349	181896.3	154159.7		-30.2	15 *
Aroclor 1260 Peak4 [2C]	L0	0.500	0.388	185442.6	143949.8		-22.4	15 *
Decachlorobiphenyl	L0	0.0300	0.0297	7209112	7320620		-1.0	
Decachlorobiphenyl [2C]	L0	0.0300	0.0274	6875741	6275717		-8.7	
Tetrachloro-m-xylene	L0	0.0300	0.0310	5239391	5488650		3.4	
Tetrachloro-m-xylene [2C]	L0	0.0300	0.00	5524184	6305853			

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:

A: Average RF
L: Linear through Intercept
Q: Quadratic

L0: Linear forced through Zero
L1: 1/x Weighted Linear through Intercept
L2: 1/x2 Weighted Linear through Intercept

L01: 1/x Weighted Linear forced through Zero
L02: 1/x2 Weighted Linear forced through Zero

Form 8

ANALYSIS BATCH (SEQUENCE) SUMMARY

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005619	Instrument:	HP5890-12
		Calibration:	R10J096

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	T005619-CCV1	12a96154	12/08/10 14:34
Calibration Check	T005619-CCV1	12B96154	12/08/10 14:34
Blank	10L0498-BLK1	12A96156	12/08/10 15:04
Blank	10L0498-BLK1	12B96156	12/08/10 15:04
LCS	10L0498-BS1	12a96157	12/08/10 15:19
LCS	10L0498-BS1	12B96157	12/08/10 15:19
SP-12-6-10	10L0498-MS1	12a96158	12/08/10 15:34
SP-12-6-10	10L0498-MS1	12B96158	12/08/10 15:34
SP-12-6-10	10L0498-MSD1	12a96159	12/08/10 15:48
SP-12-6-10	10L0498-MSD1	12B96159	12/08/10 15:48
SP-1-5-7	RTL0572-01	12A96160	12/08/10 16:03
SP-1-5-7	RTL0572-01	12B96160	12/08/10 16:03
SP-2-6-8	RTL0572-02	12A96161	12/08/10 16:18
SP-2-6-8	RTL0572-02	12B96161	12/08/10 16:18
SP-3-4-6	RTL0572-03	12A96162	12/08/10 16:33
SP-3-4-6	RTL0572-03	12B96162	12/08/10 16:33
SP-4-2-4	RTL0572-04	12A96163	12/08/10 16:47
SP-4-2-4	RTL0572-04	12B96163	12/08/10 16:47
SP-5-2-4	RTL0572-05	12A96164	12/08/10 17:02
SP-5-2-4	RTL0572-05	12B96164	12/08/10 17:02
SP-6-2-4	RTL0572-06	12A96165	12/08/10 17:17
SP-6-2-4	RTL0572-06	12B96165	12/08/10 17:17
Calibration Check	T005619-CCV2	12a96166	12/08/10 17:32
Calibration Check	T005619-CCV2	12B96166	12/08/10 17:32
SP-7-4-6	RTL0572-07	12A96168	12/08/10 18:01
SP-7-4-6	RTL0572-07	12B96168	12/08/10 18:01
SP-8-4-6	RTL0572-08	12A96169	12/08/10 18:16
SP-8-4-6	RTL0572-08	12B96169	12/08/10 18:16
SP-9-2-4	RTL0572-09	12A96170	12/08/10 18:31
SP-9-2-4	RTL0572-09	12B96170	12/08/10 18:31
SP-10-2-4	RTL0572-10	12a96171	12/08/10 18:45
SP-10-2-4	RTL0572-10	12B96171	12/08/10 18:45
SP-11-2-4	RTL0572-11	12a96172	12/08/10 19:00
SP-11-2-4	RTL0572-11	12B96172	12/08/10 19:00
DUP-1	RTL0572-12	12a96173	12/08/10 19:15
DUP-1	RTL0572-12	12b96173	12/08/10 19:15
SP-12-6-10	RTL0572-13	12A96174	12/08/10 19:30

Form 8

ANALYSIS BATCH (SEQUENCE) SUMMARY

8082

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Sequence:	T005619	Instrument:	HP5890-12
		Calibration:	R10J096

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
SP-12-6-10	RTL0572-13	12b96174	12/08/10 19:30
Calibration Check	T005619-CCV3	12a96175	12/08/10 19:44
Calibration Check	T005619-CCV3	12B96175	12/08/10 19:44

Form 10C

IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

SP-7-4-6

Lab Name: TestAmerica Buffalo SDG No.: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Lab Sample ID: RTL0572-07 Date(s) Analyzed: 12/08/2010 12/08/2010

Instrument ID (1):HP5890-12 Instrument ID (HP5890-12

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1260	1	4.26	4.21	4.31	34		
	2	4.62	4.57	4.67	32		
COLUMN 1	3	4.83	4.78	4.88	33		
	4	5.26	5.21	5.31	15		
						29	
Aroclor 1260	1	4.21	4.16	4.26	37		
	2	4.35	4.30	4.40	32		
COLUMN 2	3	4.64	4.59	4.69	30		
	4	5.01	4.96	5.06	16		
						29	0

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C

IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

SP-11-2-4

Lab Name: TestAmerica Buffalo SDG No.: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Lab Sample ID: RTL0572-11 Date(s) Analyzed: 12/08/2010 12/08/2010

Instrument ID (1):HP5890-12 Instrument ID (HP5890-12

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1254	1	3.60	-0.05	0.05	55		
	2	3.78	-0.05	0.05	71		
COLUMN 1	3	4.04	-0.05	0.05	22		
	4	4.15	-0.05	0.05	58		
						51	
Aroclor 1254	1	3.42	-0.05	0.05	49		
	2	3.54	-0.05	0.05	59		
COLUMN 2	3	3.65	-0.05	0.05	99		
	4	3.82	-0.05	0.05	51		
						64	26
Aroclor 1260	1	4.26	4.21	4.31	27		
	2	4.62	4.57	4.67	27		
COLUMN 1	3	4.83	4.78	4.88	35		
	4	5.26	5.21	5.31	13		
						25	
Aroclor 1260	1	4.21	4.16	4.26	38		
	2	4.35	4.30	4.40	27		
COLUMN 2	3	4.64	4.59	4.69	22		
	4	5.01	4.96	5.06	11		
						24	4

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C

IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

LCS

Lab Name: TestAmerica Buffalo SDG No.: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Lab Sample ID: 10L0498-BS1 Date(s) Analyzed: 12/08/2010 12/08/2010

Instrument ID (1):HP5890-12 Instrument ID (HP5890-12

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1016	1	2.16	2.11	2.21	185		
	2	2.29	2.24	2.34	199		
COLUMN 1	3	2.47	2.42	2.52	182		
	4	2.55	2.50	2.60	183		
						187	
Aroclor 1016	1	1.69	1.64	1.74	182		
	2	2.25	2.20	2.30	177		
COLUMN 2	3	2.35	2.30	2.40	192		
	4	2.68	2.64	2.74	141		
						173	8
Aroclor 1260	1	4.26	4.21	4.31	179		
	2	4.62	4.56	4.66	171		
COLUMN 1	3	4.83	4.78	4.88	163		
	4	5.26	5.21	5.31	161		
						168	
Aroclor 1260	1	4.21	4.23	4.33	162		
	2	4.35	4.30	4.40	162		
COLUMN 2	3	4.64	4.59	4.69	158		
	4	5.01	4.96	5.06	149		
						158	7

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C

IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

Matrix Spike

Lab Name: TestAmerica Buffalo SDG No.: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Lab Sample ID: 10L0498-MS1 Date(s) Analyzed: 12/08/2010 12/08/2010

Instrument ID (1):HP5890-12 Instrument ID (HP5890-12

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1016	1	2.16	2.11	2.21	223		
	2	2.29	2.24	2.34	231		
COLUMN 1	3	2.47	2.42	2.52	234		
	4	2.55	2.50	2.60	225		
						228	
Aroclor 1016	1	1.69	1.64	1.74	240		
	2	2.25	2.20	2.30	244		
COLUMN 2	3	2.35	2.30	2.40	264		
	4	2.69	2.64	2.74	236		
						246	8
Aroclor 1260	1	4.26	4.21	4.31	220		
	2	4.62	4.56	4.66	218		
COLUMN 1	3	4.83	4.78	4.88	203		
	4	5.26	5.21	5.31	189		
						208	
Aroclor 1260	1	4.21	4.23	4.33	209		
	2	4.35	4.30	4.40	214		
COLUMN 2	3	4.64	4.59	4.69	211		
	4	5.01	4.96	5.06	206		
						210	1

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C

IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

Matrix Spike Dup

Lab Name: TestAmerica Buffalo SDG No.: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Lab Sample ID: 10L0498-MSD1 Date(s) Analyzed: 12/08/2010 12/08/2010

Instrument ID (1):HP5890-12 Instrument ID (HP5890-12

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1016	1	2.16	2.11	2.21	228		
	2	2.29	2.24	2.34	237		
COLUMN 1	3	2.47	2.42	2.52	240		
	4	2.55	2.50	2.60	234		
						235	
Aroclor 1016	1	1.69	1.64	1.74	249		
	2	2.25	2.20	2.30	252		
COLUMN 2	3	2.35	2.30	2.40	274		
	4	2.69	2.64	2.74	243		
						254	8
Aroclor 1260	1	4.26	4.21	4.31	233		
	2	4.62	4.56	4.66	226		
COLUMN 1	3	4.83	4.78	4.88	213		
	4	5.26	5.21	5.31	204		
						219	
Aroclor 1260	1	4.21	4.23	4.33	215		
	2	4.35	4.30	4.40	220		
COLUMN 2	3	4.64	4.59	4.69	216		
	4	5.01	4.96	5.06	210		
						215	2

At least three peaks for each column are required for identification of multicomponent analytes.

TotalChrom Method File H:\TURBO6\5890-12\12a-66(10-16-10).mth
Printed by : RudzG on: 10/17/2010 11:36:47
Created by : RudzG on: 10/17/2010 11:27:09
Edited by : RudzG on: 10/17/2010 11:27:09
Number of Times Edited : 0
Number of Times Calibrated : 730
Description: NEW 7 PT. 1016/1260 CURVE FOR INST #12 05/15/10.

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Processed by: 9 OCT 16 2010
Reviewed by: Jen 10/19/10

Component Information

TMX
Component Type : Single Peak Component
Retention Time : 1.677 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.030000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
B	0.0050	23733.40	10853.56	----------	----------	1
C	0.0100	48090.33	22048.60	----------	----------	1
D	0.0200	104246.91	48111.19	----------	----------	1
E	0.0300	170365.49	77595.19	----------	----------	1
F	0.0400	226706.88	101316.25	----------	----------	1
G	0.0500	286349.44	124364.84	----------	----------	1

Average Calibration Factor = 5.306928e+06 (%RSD = 8.49)

AR1016-A
Component Type : Single Peak Component
Retention Time : 2.205 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	9312.49	3107.30	----------	----------	1
B	0.0500	18084.43	6034.50	----------	----------	1
C	0.1000	38220.62	11780.87	----------	----------	1
D	0.2500	76877.77	23644.46	----------	----------	1
E	0.5000	158268.44	47981.22	----------	----------	1
F	1.0000	284339.60	85395.31	----------	----------	1
G	2.0000	511965.84	152169.85	----------	----------	1

Average Calibration Factor = 325823.579711 (%RSD = 14.65)

AR1016-B
Component Type : Single Peak Component
Retention Time : 2.334 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	4690.94	1780.43	----------	----------	1
B	0.0500	9350.27	3613.33	----------	----------	1
C	0.1000	19739.52	7421.33	----------	----------	1
D	0.2500	40921.01	15405.93	----------	----------	1
E	0.5000	86653.44	32315.49	----------	----------	1
F	1.0000	159014.12	58821.41	----------	----------	1
G	2.0000	293848.07	107819.59	----------	----------	1

Average Calibration Factor = 173566.769895 (%RSD = 10.43)

AR1016
Component Type : Named Group
Group Members
AR1016-A
AR1016-B
AR1016-C
AR1016-D
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	32355.07	11730.57	----------	----------	1
B	0.0500	63478.21	23352.63	----------	----------	1
C	0.1000	131813.76	46697.12	----------	----------	1
D	0.2500	271748.74	96652.92	----------	----------	1
E	0.5000	576417.25	203539.16	----------	----------	1
F	1.0000	1061419.41	372859.82	----------	----------	1
G	2.0000	1958966.74	682722.67	----------	----------	1

Average Calibration Factor = 1.166091e+06 (%RSD = 11.21)

AR1016-C
Component Type : Single Peak Component
Retention Time : 2.514 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	12303.59	4611.47	----------	----------	1
B	0.0500	24403.16	9155.46	----------	----------	1
C	0.1000	49813.45	18275.07	----------	----------	1
D	0.2500	105044.23	38602.51	----------	----------	1
E	0.5000	229661.49	83369.03	----------	----------	1
F	1.0000	432921.31	155593.22	----------	----------	1
G	2.0000	812730.25	288453.34	----------	----------	1

Average Calibration Factor = 456732.532012 (%RSD = 8.19)

AR1016-D
Component Type : Single Peak Component
Retention Time : 2.590 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)

Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	6048.04	2231.37			1
B	0.0500	11640.35	4549.34			1
C	0.1000	24040.17	9219.85			1
D	0.2500	48905.72	19000.02			1
E	0.5000	101833.88	39873.42			1
F	1.0000	185144.39	73049.88			1
G	2.0000	340422.58	134279.89			1

Average Calibration Factor = 209968.108747 (%RSD = 13.63)

AR1260-A
Component Type : Single Peak Component
Retention Time : 4.301 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	13036.00	3271.70			1
B	0.0500	25730.84	6384.57			1
C	0.1000	56633.05	13137.47			1
D	0.2500	119489.43	27206.62			1
E	0.5000	251389.84	56096.37			1
F	1.0000	464324.29	101805.35			1
G	2.0000	855669.56	184594.57			1

Average Calibration Factor = 496469.134117 (%RSD = 8.99)

AR1260
Component Type : Named Group
Group Members
AR1260-A
AR1260-B
AR1260-C
AR1260-D
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	47545.06	14544.82			1
B	0.0500	91022.52	27997.59			1
C	0.1000	192956.89	56764.37			1
D	0.2500	406849.00	119120.66			1
E	0.5000	869752.97	252392.76			1
F	1.0000	1630433.97	466675.72			1
G	2.0000	3068585.77	869450.74			1

Average Calibration Factor = 1.740493e+06 (%RSD = 8.64)

AR1260-B
Component Type : Single Peak Component
Retention Time : 4.653 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window

Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	18132.13	6222.16			1
B	0.0500	36119.35	12130.39			1
C	0.1000	80061.37	24527.65			1
D	0.2500	169790.82	51264.53			1
E	0.5000	365179.67	108982.86			1
F	1.0000	686624.06	201749.23			1
G	2.0000	1311827.38	378006.35			1

Average Calibration Factor = 714335.157183 (%RSD = 6.59)

AR1260-C
Component Type : Single Peak Component
Retention Time : 4.865 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	8379.63	2979.44			1
B	0.0500	16632.75	5880.97			1
C	0.1000	33599.92	11738.31			1
D	0.2500	70381.35	25112.80			1
E	0.5000	153300.37	54236.25			1
F	1.0000	292226.42	101885.03			1
G	2.0000	556259.08	192522.90			1

Average Calibration Factor = 308903.070767 (%RSD = 8.33)

AR1260-D
Component Type : Single Peak Component
Retention Time : 5.297 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	7997.30	2071.52			1
B	0.0500	12539.58	3601.66			1
C	0.1000	22662.56	7360.94			1
D	0.2500	47187.40	15536.71			1
E	0.5000	99883.09	33077.27			1
F	1.0000	187259.20	61236.11			1
G	2.0000	344829.75	114326.92			1

Average Calibration Factor = 220785.538846 (%RSD = 23.16)

DCBP
Component Type : Single Peak Component
Retention Time : 5.779 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window

10/17/2010 11:36:47 Method: H:\TURBO6\5890-12\12a-66(10-16-10).mth

Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.030000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

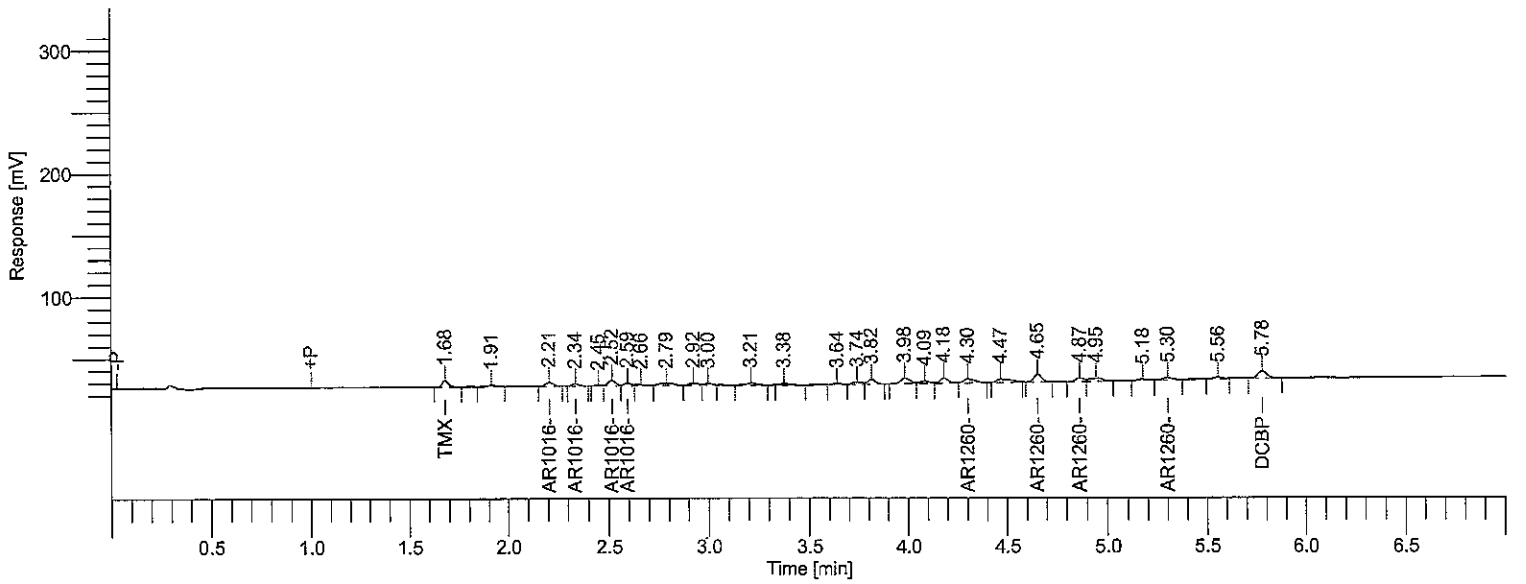
Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
B	0.0050	37762.41	11312.71	----------	----------	1
C	0.0100	73802.40	21940.67	----------	----------	1
D	0.0200	151059.13	44186.18	----------	----------	1
E	0.0300	229570.90	65893.41	----------	----------	1
F	0.0400	290457.89	83469.85	----------	----------	1
G	0.0500	348034.37	98804.53	----------	----------	1

Average Calibration Factor = 7.393363e+06 (%RSD = 3.44)

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 11:07:51
Reprocess Number	: buf23: 12793		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 0.025	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 19:54:34	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12A89205.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12A89205.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12A89205.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12A89205.rst
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12A89205.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq
Sample Notes:
#12 INSTRUMENT FILE



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.68	BB	11917	TMX	0.00276	------	0
3	2.21	BV	9312	AR1016-A	0.02500	0.00625	4
4	2.34	VV	4691	AR1016-B	0.02500	0.00625	4
6	2.52	VV	12304	AR1016-C	0.02500	0.00625	4
7	2.59	VV	6048	AR1016-D	0.02500	0.00625	4
20	4.30	VV	13036	AR1260-A	0.02500	0.00625	4
22	4.65	VB	18132	AR1260-B	0.02500	0.00625	4
23	4.87	BV	8380	AR1260-C	0.02500	0.00625	4
26	5.30	VV	7997	AR1260-D	0.02500	0.00625	4
28	5.78	VB	20538	DCBP	0.00296	------	0
			112355			0.05000	

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	2.21	BV	9312	AR1016-A	0.02500	0.00625	4
4	2.34	VV	4691	AR1016-B	0.02500	0.00625	4
6	2.52	VV	12304	AR1016-C	0.02500	0.00625	4
7	2.59	VV	6048	AR1016-D	0.02500	0.00625	4
			32355			0.02500	

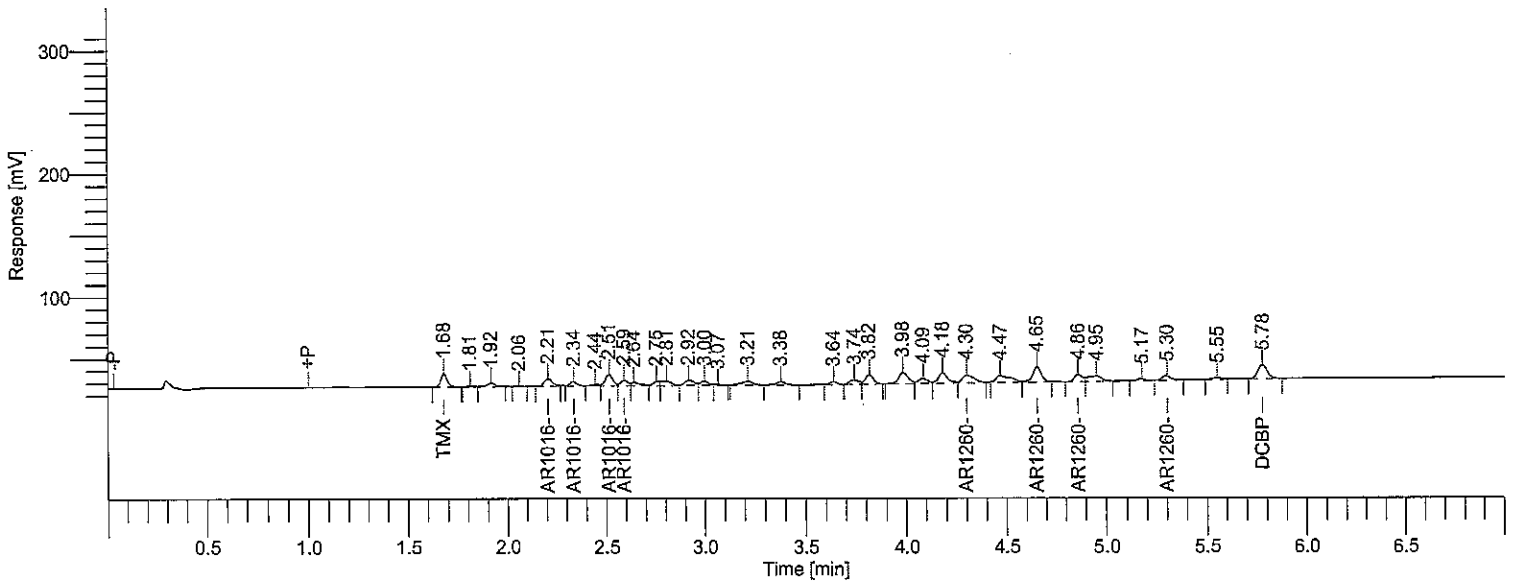
10/17/2010 11:07:51 Result: H:\TURBO6\5890-12\12-Seq89\12A89205.rst

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
20	4.30	VV	13036	AR1260-A	0.02500	0.00625	4
22	4.65	VB	18132	AR1260-B	0.02500	0.00625	4
23	4.87	BV	8380	AR1260-C	0.02500	0.00625	4
26	5.30	VV	7997	AR1260-D	0.02500	0.00625	4
			47545			0.02500	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 11:07:54
Reprocess Number	: buf23: 12794		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 0.05	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 20:09:18	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12A89206.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12A89206.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12A89206.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12A89206.rst
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12A89206.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq
Sample Notes:
#12 INSTRUMENT FILE



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.68	BB	23733	TMX	0.00500	——	0
5	2.21	BV	18084	AR1016-A	0.05000	0.01250	4
6	2.34	VV	9350	AR1016-B	0.05000	0.01250	4
8	2.51	VV	24403	AR1016-C	0.05000	0.01250	4
9	2.59	VV	11640	AR1016-D	0.05000	0.01250	4
24	4.30	VV	25731	AR1260-A	0.05000	0.01250	4
26	4.65	VB	36119	AR1260-B	0.05000	0.01250	4
27	4.86	BV	16633	AR1260-C	0.05000	0.01250	4
30	5.30	VV	12540	AR1260-D	0.05000	0.01250	4
32	5.78	VB	37762	DCBP	0.00500	——	0
			215997			0.10000	

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	2.21	BV	18084	AR1016-A	0.05000	0.01250	4
6	2.34	VV	9350	AR1016-B	0.05000	0.01250	4
8	2.51	VV	24403	AR1016-C	0.05000	0.01250	4
9	2.59	VV	11640	AR1016-D	0.05000	0.01250	4
			63478			0.05000	

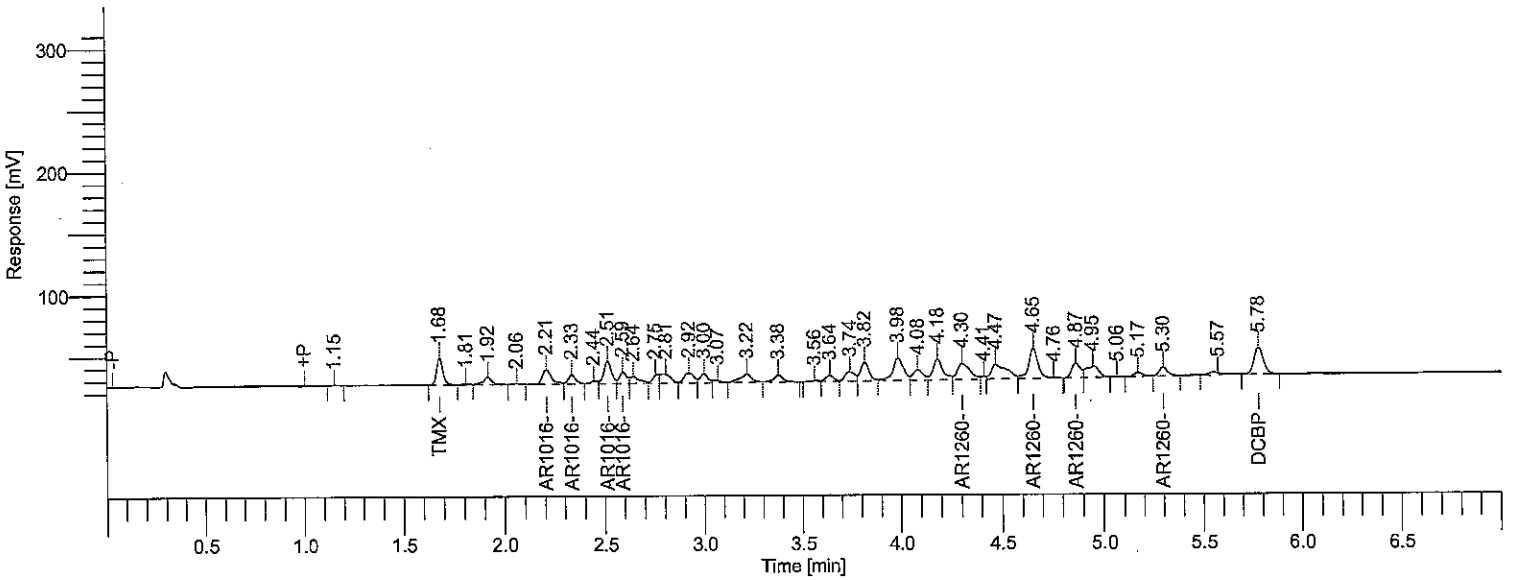
10/17/2010 11:07:54 Result: H:\TURBO6\5890-12\12-Seq89\12A89206.rst

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name		NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
24	4.30	VV	25731	AR1260-A		0.05000	0.01250	4
26	4.65	VB	36119	AR1260-B		0.05000	0.01250	4
27	4.86	BV	16633	AR1260-C		0.05000	0.01250	4
30	5.30	VV	12540	AR1260-D		0.05000	0.01250	4
			91023				0.05000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 11:07:57
Reprocess Number	: buf23: 12795		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 0.10	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 20:24:04	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12A89207.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12A89207.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12A89207.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12A89207.rst
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12A89207.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq
Sample Notes:
#12 INSTRUMENT FILE



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
2	1.68	BV	48090	TMX	0.01000	------	0
6	2.21	VV	38221	AR1016-A	0.10000	0.02500	4
7	2.33	VV	19740	AR1016-B	0.10000	0.02500	4
9	2.51	VV	49813	AR1016-C	0.10000	0.02500	4
10	2.59	VV	24040	AR1016-D	0.10000	0.02500	4
26	4.30	VV	56633	AR1260-A	0.10000	0.02500	4
29	4.65	VE	80061	AR1260-B	0.10000	0.02500	4
31	4.87	BV	33600	AR1260-C	0.10000	0.02500	4
35	5.30	VV	22663	AR1260-D	0.10000	0.02500	4
37	5.78	VB	73802	DCBP	0.01000	------	0
			446663			0.20000	

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	2.21	VV	38221	AR1016-A	0.10000	0.02500	4
7	2.33	VV	19740	AR1016-B	0.10000	0.02500	4
9	2.51	VV	49813	AR1016-C	0.10000	0.02500	4
10	2.59	VV	24040	AR1016-D	0.10000	0.02500	4
			131814			0.10000	

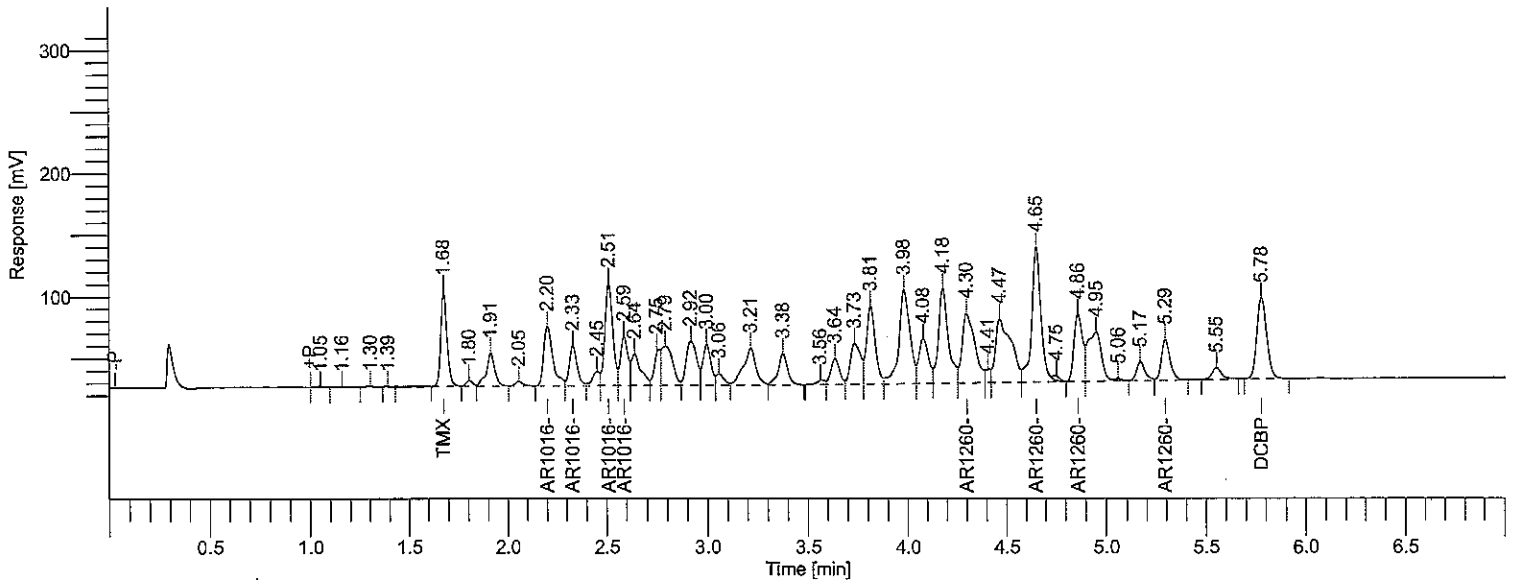
10/17/2010 11:07:57 Result: H:\TURBO6\5890-12\12-Seq89\12A89207.rst

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
26	4.30	VV	56633	AR1260-A	0.10000	0.02500	4
29	4.65	VE	80061	AR1260-B	0.10000	0.02500	4
31	4.87	BV	33600	AR1260-C	0.10000	0.02500	4
35	5.30	VV	22663	AR1260-D	0.10000	0.02500	4
			192957			0.10000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 11:08:02
Reprocess Number	: buf23: 12797		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 0.50	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 20:53:39	Cycle	: 5

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12A89209.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12A89209.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12A89209.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12A89209.rst
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12A89209.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq
Sample Notes:
#12 INSTRUMENT FILE



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.68	VV	170365	TMX	0.03000	-------	0
9	2.20	VV	158268	AR1016-A	0.50000	0.12500	4
10	2.33	VV	86653	AR1016-B	0.50000	0.12500	4
12	2.51	VV	229661	AR1016-C	0.50000	0.12500	4
13	2.59	VV	101834	AR1016-D	0.50000	0.12500	4
29	4.30	VV	251390	AR1260-A	0.50000	0.12500	4
32	4.65	VE	365180	AR1260-B	0.50000	0.12500	4
34	4.86	BV	153300	AR1260-C	0.50000	0.12500	4
38	5.29	VV	99883	AR1260-D	0.50000	0.12500	4
40	5.78	VB	229571	DCBP	0.03000	-------	0
			1846107			1.00000	

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
9	2.20	VV	158268	AR1016-A	0.50000	0.12500	4
10	2.33	VV	86653	AR1016-B	0.50000	0.12500	4
12	2.51	VV	229661	AR1016-C	0.50000	0.12500	4
13	2.59	VV	101834	AR1016-D	0.50000	0.12500	4
			576417			0.50000	

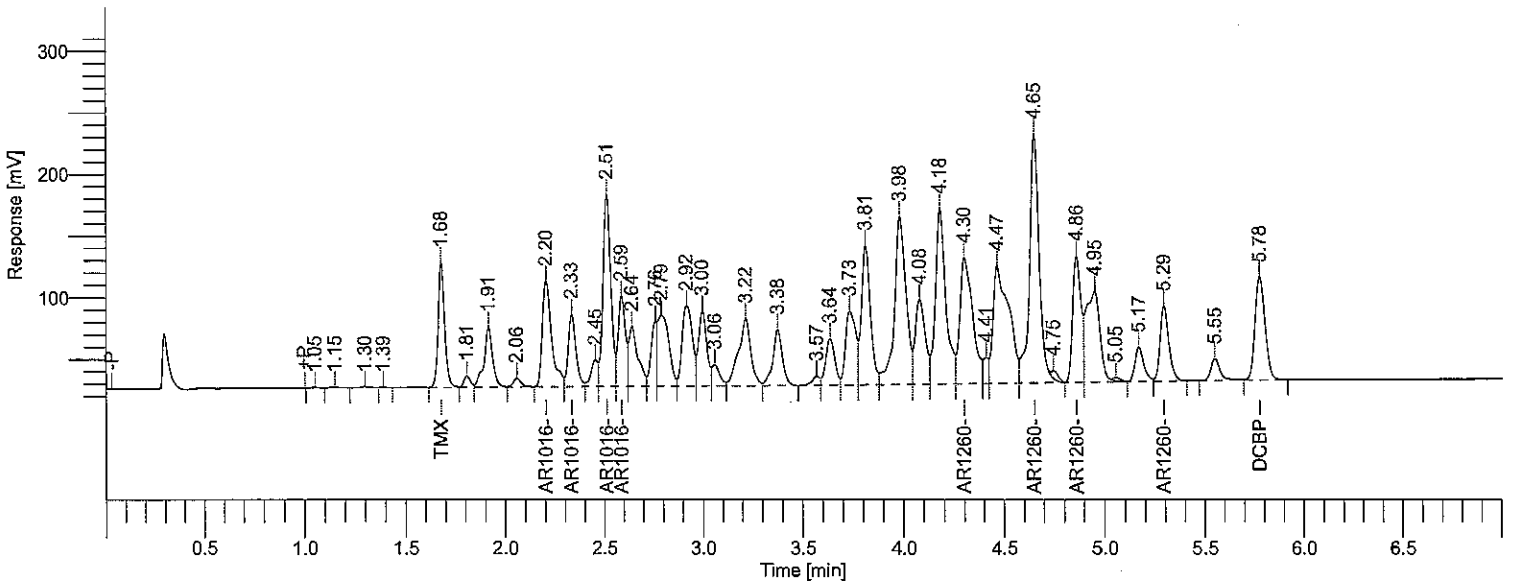
10/17/2010 11:08:02 Result: H:\TURBO6\5890-12\12-Seq89\12A89209.rst

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
29	4.30	VV	251390	AR1260-A	0.50000	0.12500	4
32	4.65	VE	365180	AR1260-B	0.50000	0.12500	4
34	4.86	BV	153300	AR1260-C	0.50000	0.12500	4
38	5.29	VV	99883	AR1260-D	0.50000	0.12500	4
			869753			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 11:08:04
Reprocess Number	: buf23: 12798		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 1.0	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 21:08:24	Cycle	: 6

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12A89210.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12A89210.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12A89210.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12A89210.rst
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12A89210.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq
Sample Notes:
#12 INSTRUMENT FILE



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.68	BV	226707	TMX	0.04000	------	0
9	2.20	VV	284340	AR1016-A	1.00000	0.25000	4
10	2.33	VV	159014	AR1016-B	1.00000	0.25000	4
12	2.51	VV	432921	AR1016-C	1.00000	0.25000	4
13	2.59	VV	185144	AR1016-D	1.00000	0.25000	4
29	4.30	VV	464324	AR1260-A	1.00000	0.25000	4
32	4.65	VE	686624	AR1260-B	1.00000	0.25000	4
34	4.86	VV	292226	AR1260-C	1.00000	0.25000	4
38	5.29	VV	187259	AR1260-D	1.00000	0.25000	4
40	5.78	VB	290458	DCBP	0.04000	------	0
			3209018			2.00000	

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
9	2.20	VV	284340	AR1016-A	1.00000	0.25000	4
10	2.33	VV	159014	AR1016-B	1.00000	0.25000	4
12	2.51	VV	432921	AR1016-C	1.00000	0.25000	4
13	2.59	VV	185144	AR1016-D	1.00000	0.25000	4
			1061419			1.00000	

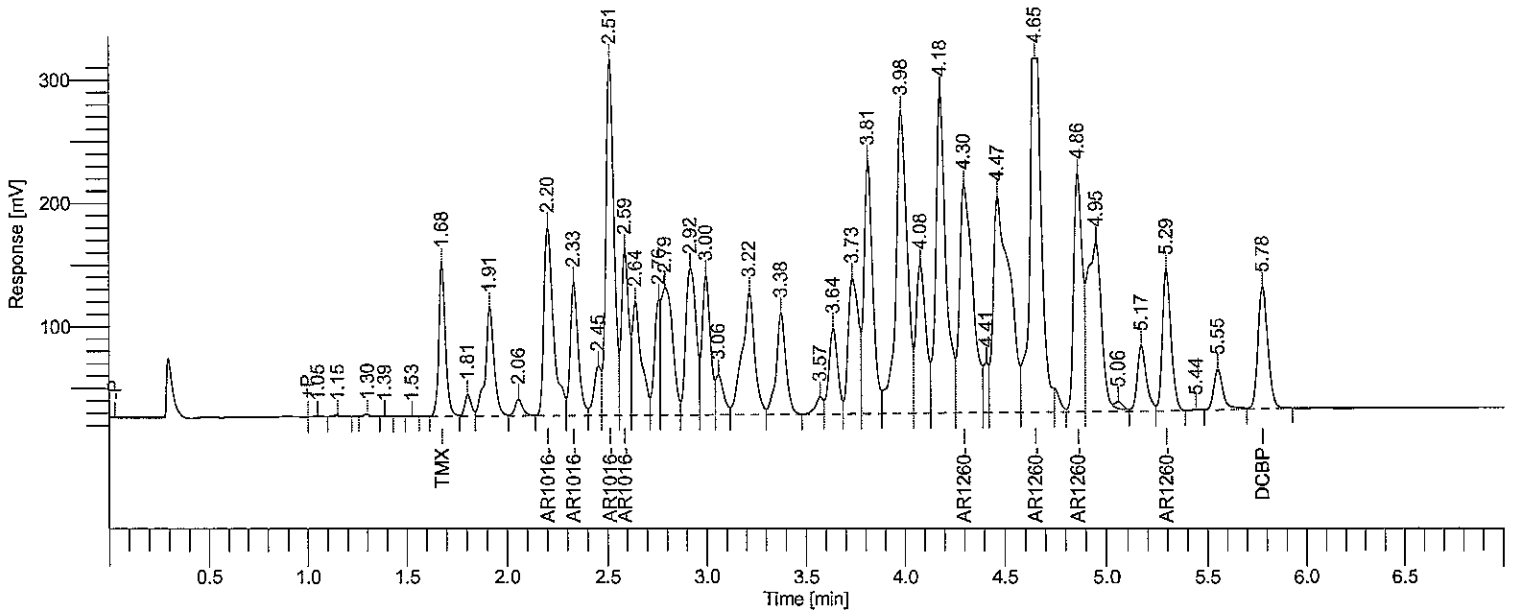
10/17/2010 11:08:04 Result: H:\TURBO6\5890-12\12-Seq89\12A89210.rst

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
29	4.30	VV	464324	AR1260-A	1.00000	0.25000	4
32	4.65	VE	686624	AR1260-B	1.00000	0.25000	4
34	4.86	VV	292226	AR1260-C	1.00000	0.25000	4
38	5.29	VV	187259	AR1260-D	1.00000	0.25000	4
			1630434			1.00000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 11:08:06
Reprocess Number	: buf23: 12799		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 2.0	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 21:23:10	Cycle	: 7

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12A89211.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12A89211.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12A89211.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12A89211.rst
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12A89211.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq
Sample Notes:
#12 INSTRUMENT FILE



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	1.68	BV	286349	TMX	0.05000	-------	0
10	2.20	VV	511966	AR1016-A	2.00000	0.50000	4
11	2.33	VV	293848	AR1016-B	2.00000	0.50000	4
13	2.51	VV	812730	AR1016-C	2.00000	0.50000	4
14	2.59	VV	340423	AR1016-D	2.00000	0.50000	4
30	4.30	VV	855670	AR1260-A	2.00000	0.50000	4
33	4.65	VV	1311827	AR1260-B	2.00000	0.50000	4
34	4.86	VV	556259	AR1260-C	2.00000	0.50000	4
38	5.29	VB	344830	AR1260-D	2.00000	0.50000	4
41	5.78	VB	348034	DCBP	0.05000	-------	0
			5661936			4.00000	

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
10	2.20	VV	511966	AR1016-A	2.00000	0.50000	4
11	2.33	VV	293848	AR1016-B	2.00000	0.50000	4
13	2.51	VV	812730	AR1016-C	2.00000	0.50000	4
14	2.59	VV	340423	AR1016-D	2.00000	0.50000	4
			1958967			2.00000	

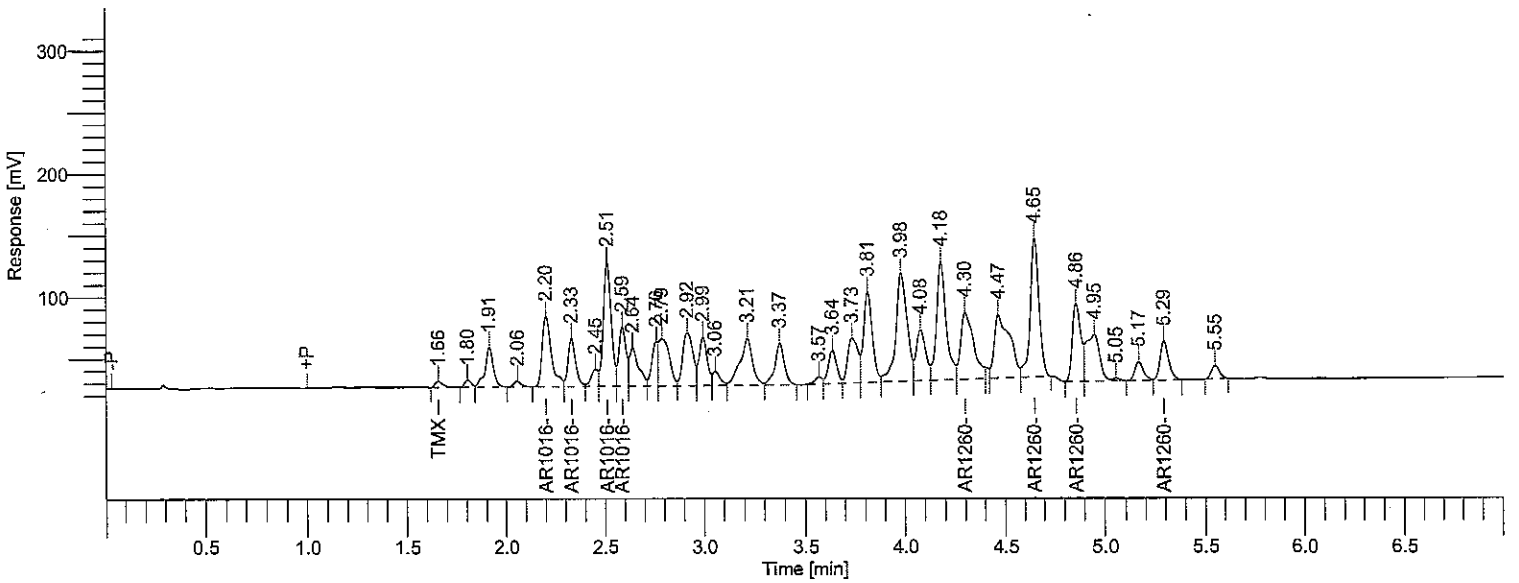
10/17/2010 11:08:06 Result: H:\TURBO6\5890-12\12-Seq89\12A89211.rst

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
30	4.30	VV	855670	AR1260-A	2.00000	0.50000	4
33	4.65	VV	1311827	AR1260-B	2.00000	0.50000	4
34	4.86	VV	556259	AR1260-C	2.00000	0.50000	4
38	5.29	VB	344830	AR1260-D	2.00000	0.50000	4
			3068586			2.00000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:23:22
Reprocess Number	: buf23: 12791		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 21:37:54	Cycle	: 22

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89212.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89212.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89212.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89212.rst
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89212.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.66	BV	14020	TMX	0.0032	4.3867e+06	28039.3721	[illegible]
2.51		691145	AR1016	0.6207	1.1136e+06	1.3823e+06	3.4
4.65		875172	AR1260	0.5449	1.6062e+06	1.7503e+06	-9.2
		1580337		1.1687		3.1607e+06	

OCT 1 6 2010

Group Report For : AR1016

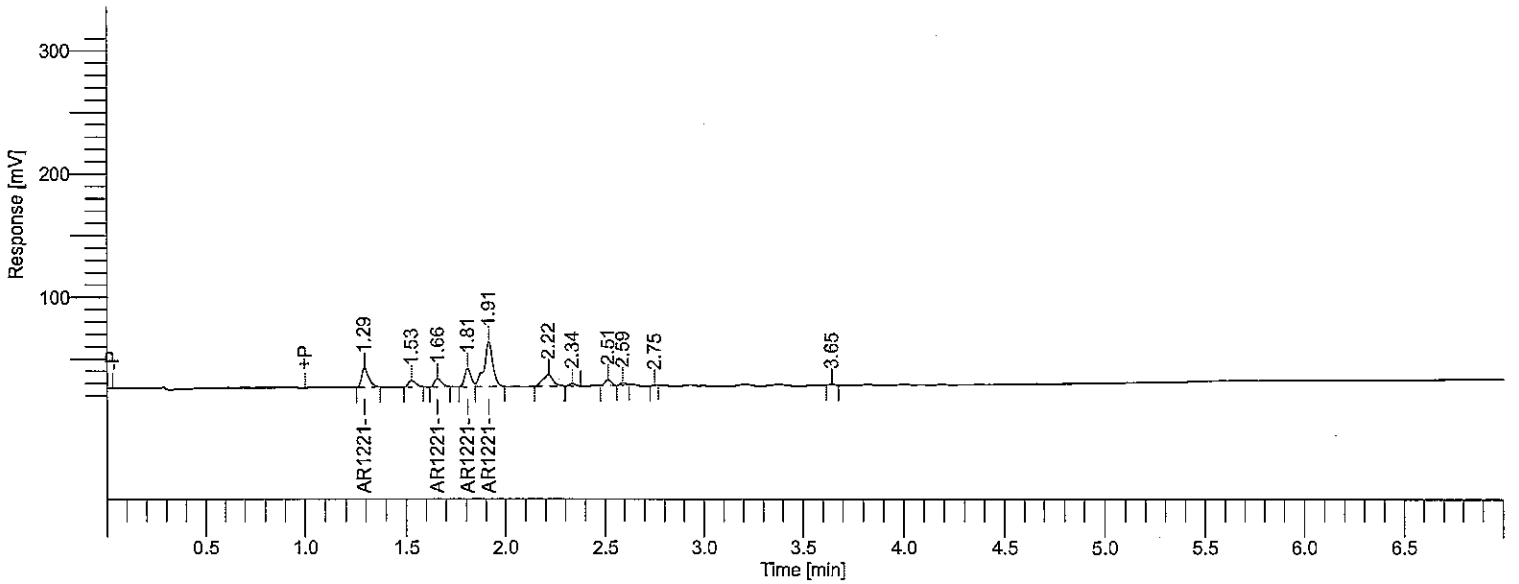
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.20	VV	189325	AR1016-A	0.6250	3.0292e+05	3.7865e+05	4.2
2.33	VV	103916	AR1016-B	0.6227	1.6687e+05	2.0783e+05	3.8
2.51	VV	276600	AR1016-C	0.6178	4.4770e+05	5.5320e+05	3.0
2.59	VV	121304	AR1016-D	0.6192	1.9589e+05	2.4261e+05	3.2
		691145		2.4848		1.3823e+06	

Group Report For : AR1260

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
4.30	VV	248540	AR1260-A	0.5482	4.5335e+05	4.9708e+05	-8.6
4.65	VB	349591	AR1260-B	0.5355	6.5284e+05	6.9918e+05	-10.8
4.86	BV	182302	AR1260-C	0.6054	3.0111e+05	3.6460e+05	0.9
5.29	VB	94740	AR1260-D	0.4821	1.9652e+05	1.8948e+05	-19.7
		875172		2.1713		1.7503e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:20:33
Reprocess Number	: buf23: 12749		
Operator	: tchrom	Sample Name	: Ar1221
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 16:28:06	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89191.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89191.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89191.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89191.rst
Calib Method : h:\turbo6\5890-12\12a-21(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89191.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.29	BB	37644	AR1221-A	0.50000	0.12500	4
3	1.66	BB	16687	AR1221-B	0.50000	0.12500	4
4	1.81	BV	33637	AR1221-C	0.50000	0.12500	4
5	1.91	VB	114327	AR1221-D	0.50000	0.12500	4
			202294			0.50000	

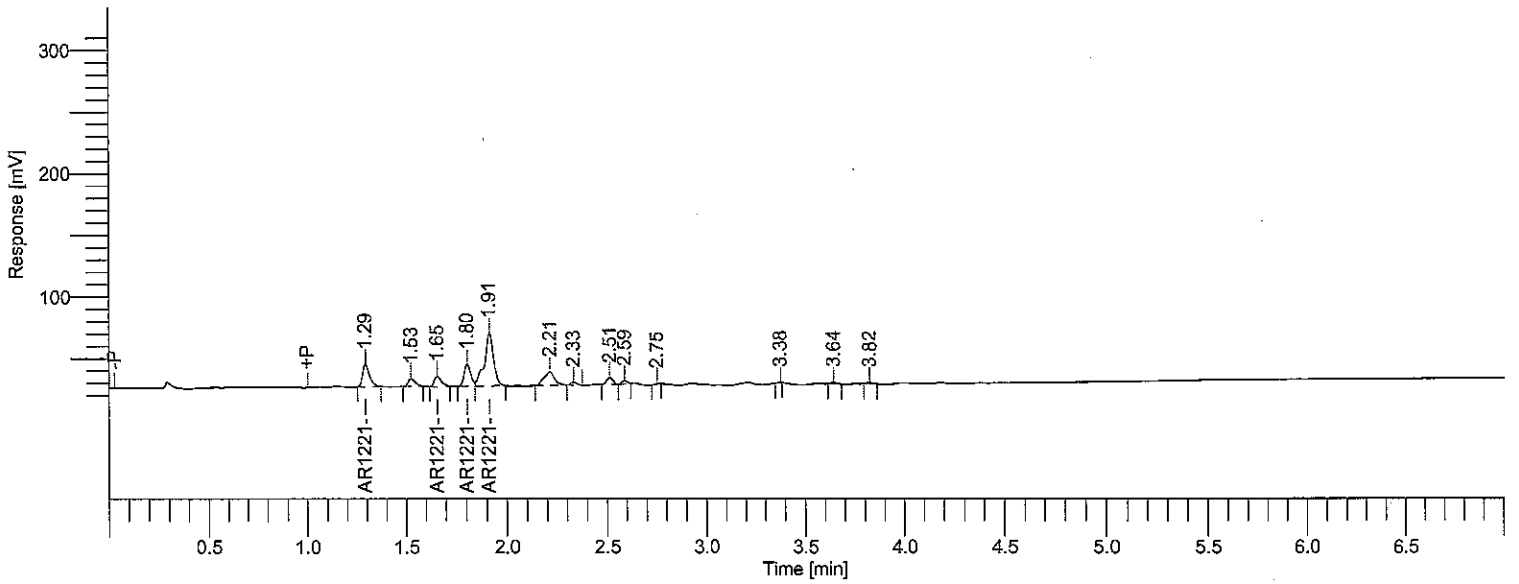
Processed by: OCT 16 2010
Reviewed by: 10/16/10

Group Report For : AR1221

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.29	BB	37644	AR1221-A	0.50000	0.12500	4
3	1.66	BB	16687	AR1221-B	0.50000	0.12500	4
4	1.81	BV	33637	AR1221-C	0.50000	0.12500	4
5	1.91	VB	114327	AR1221-D	0.50000	0.12500	4
			202294			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:20:45
Reprocess Number	: buf23: 12751		
Operator	: tchrom	Sample Name	: Ar1221
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 16:42:50	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89192.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89192.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89192.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89192.rst
Calib Method : h:\turbo6\5890-12\12a-21(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89192.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.91		238519	AR1221	0.5895	4.0459e+05	4.7704e+05	-1.7
		238519		0.5895		4.7704e+05	

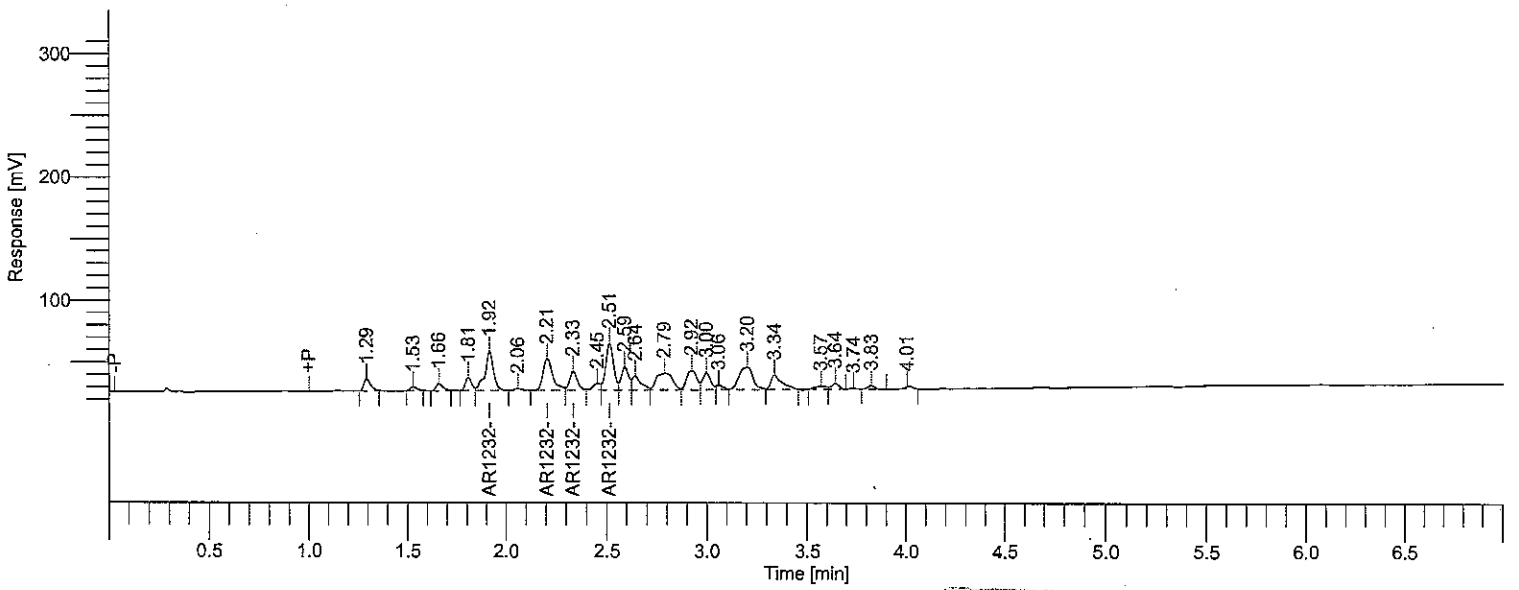
OCT 16 2010

Group Report For : AR1221

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.29	BB	43893	AR1221-A	0.5830	75287.6000	87787.0000	-2.8
1.65	BV	20594	AR1221-B	0.6171	33374.4000	41187.9639	2.8
1.80	VV	39939	AR1221-C	0.5937	67273.0730	79877.0761	-1.1
1.91	VB	134093	AR1221-D	0.5864	2.2865e+05	2.6819e+05	-2.3
		238519		2.3802		4.7704e+05	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:20:55
Reprocess Number	: buf23: 12753		
Operator	: tchrom	Sample Name	: Ar1232
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 16:57:36	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89193.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89193.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89193.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89193.rst
Calib Method : h:\turbo6\5890-12\12a-32(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89193.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.92	VV	97785	AR1232-A	0.50000	0.12500	4
7	2.21	VV	86307	AR1232-B	0.50000	0.12500	4
8	2.33	VV	39898	AR1232-C	0.50000	0.12500	4
10	2.51	VV	102311	AR1232-D	0.50000	0.12500	4
			326301			0.50000	

Processed by: OCT 16 2010

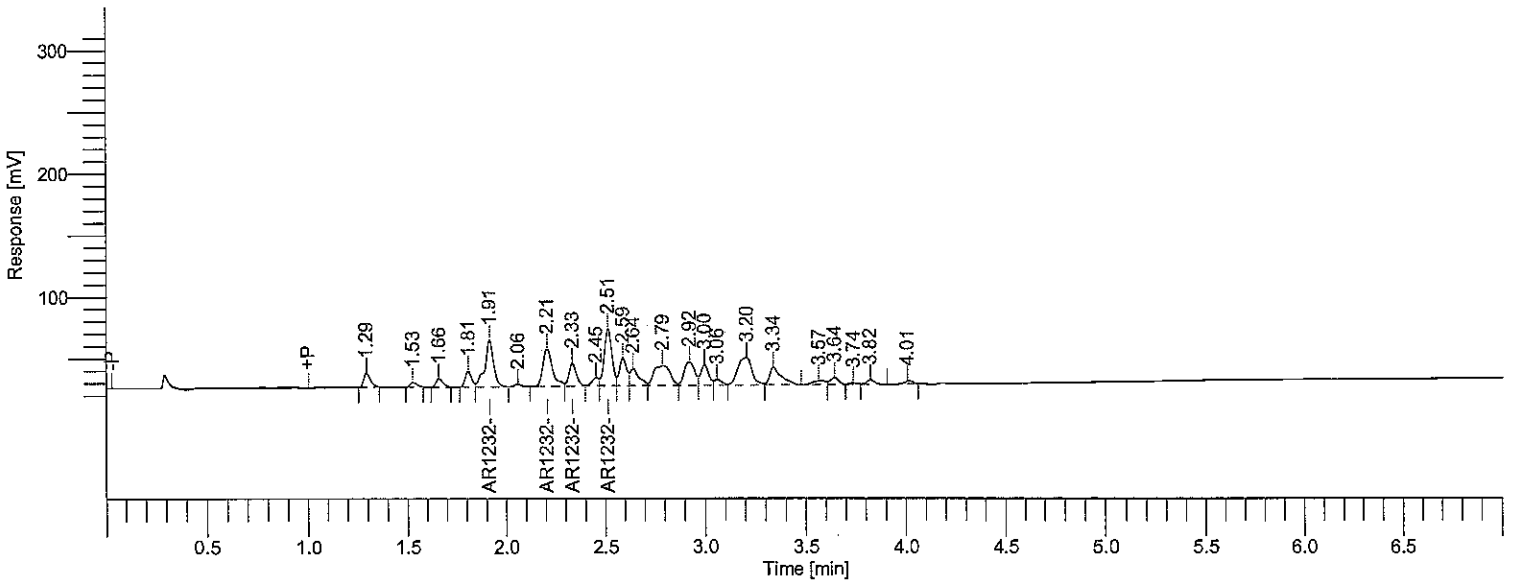
Reviewed by: 10/16/10

Group Report For : AR1232

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.92	VV	97785	AR1232-A	0.50000	0.12500	4
7	2.21	VV	86307	AR1232-B	0.50000	0.12500	4
8	2.33	VV	39898	AR1232-C	0.50000	0.12500	4
10	2.51	VV	102311	AR1232-D	0.50000	0.12500	4
			326301			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:06
Reprocess Number	: buf23: 12755		
Operator	: tchrom	Sample Name	: Ar1232
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 17:12:22	Cycle	: 4

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89194.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89194.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89194.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89194.rst
Calib Method : h:\turbo6\5890-12\12a-32(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89194.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.51		395418	AR1232	0.6059	6.5260e+05	7.9084e+05	1.0
		395418		0.6059		7.9084e+05	

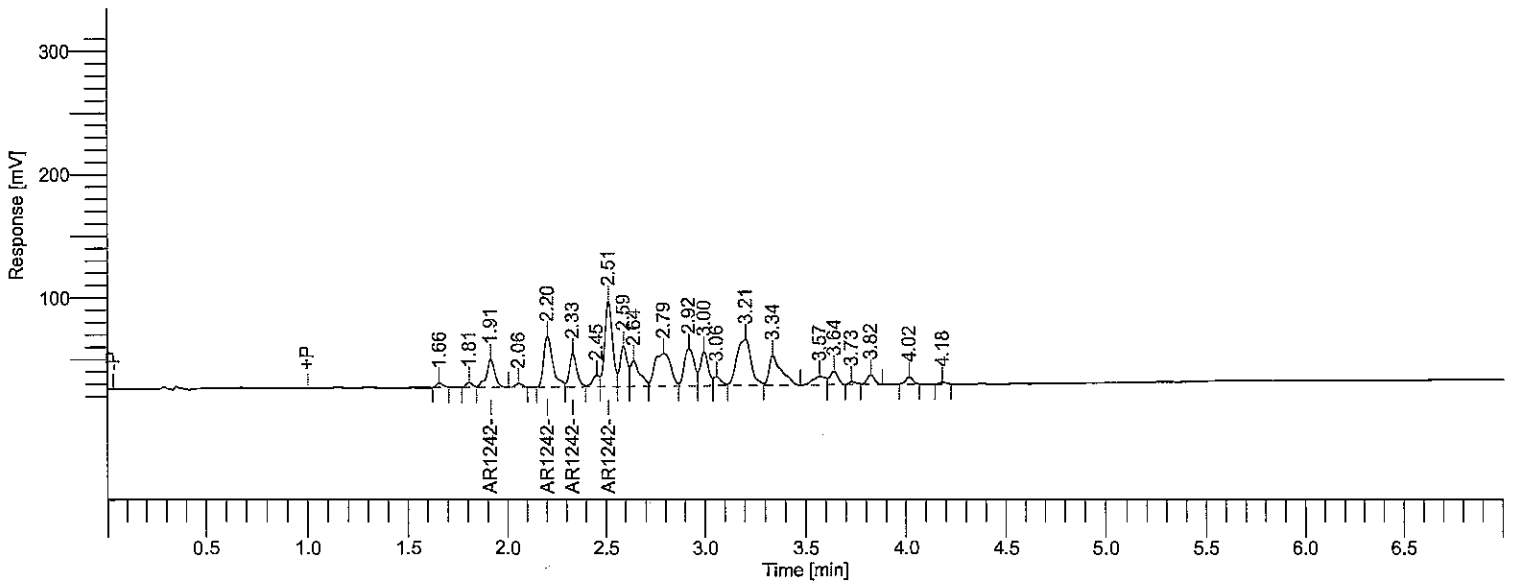
OCT 16 2010

Group Report For : AR1232

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.91	VV	117669	AR1232-A	0.6017	1.9557e+05	2.3534e+05	0.3
2.21	VV	103726	AR1232-B	0.6009	1.7261e+05	2.0745e+05	0.2
2.33	VV	48584	AR1232-C	0.6088	79796.8154	97168.0901	1.5
2.51	VV	125438	AR1232-D	0.6130	2.0462e+05	2.5088e+05	2.2
		395418		2.4245		7.9084e+05	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:16
Reprocess Number	: buf23: 12757		
Operator	: tchrom	Sample Name	: Ar1242
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 17:27:09	Cycle	: 5

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89195.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89195.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89195.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89195.rst
Calib Method : h:\turbo6\5890-12\12a-42(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89195.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.91	VV	66487	AR1242-A	0.50000	0.12500	4
5	2.20	BV	133653	AR1242-B	0.50000	0.12500	4
6	2.33	VV	71089	AR1242-C	0.50000	0.12500	4
8	2.51	VV	188786	AR1242-D	0.50000	0.12500	4
			460015			0.50000	

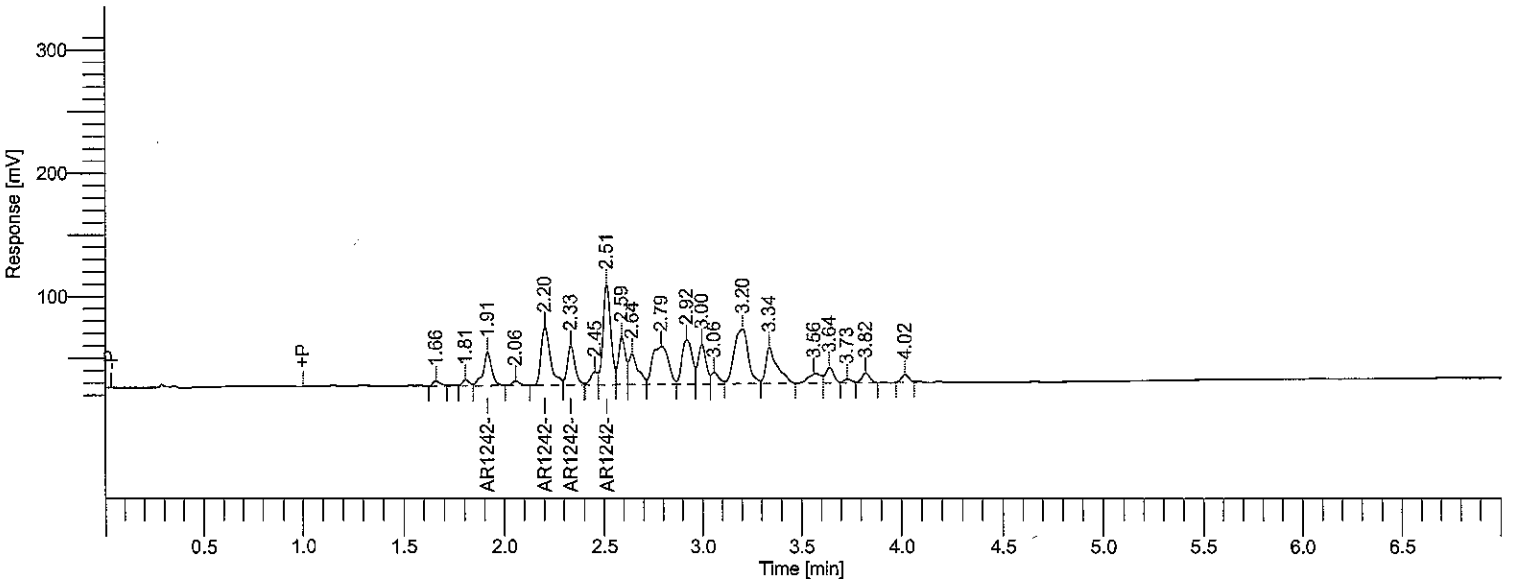
Processed by: OCT 16 2010
Reviewed by: 10/16/10

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.91	VV	66487	AR1242-A	0.50000	0.12500	4
5	2.20	BV	133653	AR1242-B	0.50000	0.12500	4
6	2.33	VV	71089	AR1242-C	0.50000	0.12500	4
8	2.51	VV	188786	AR1242-D	0.50000	0.12500	4
			460015			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:25
Reprocess Number	: buf23: 12759		
Operator	: tchrom	Sample Name	: Ar1242
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 17:41:50	Cycle	: 6

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89196.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89196.rst
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Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89196.rst
Calib Method : h:\turbo6\5890-12\12a-42(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89196.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.51		542542	AR1242	0.5897	9.2003e+05	1.0851e+06	-1.7
		542542		0.5897		1.0851e+06	

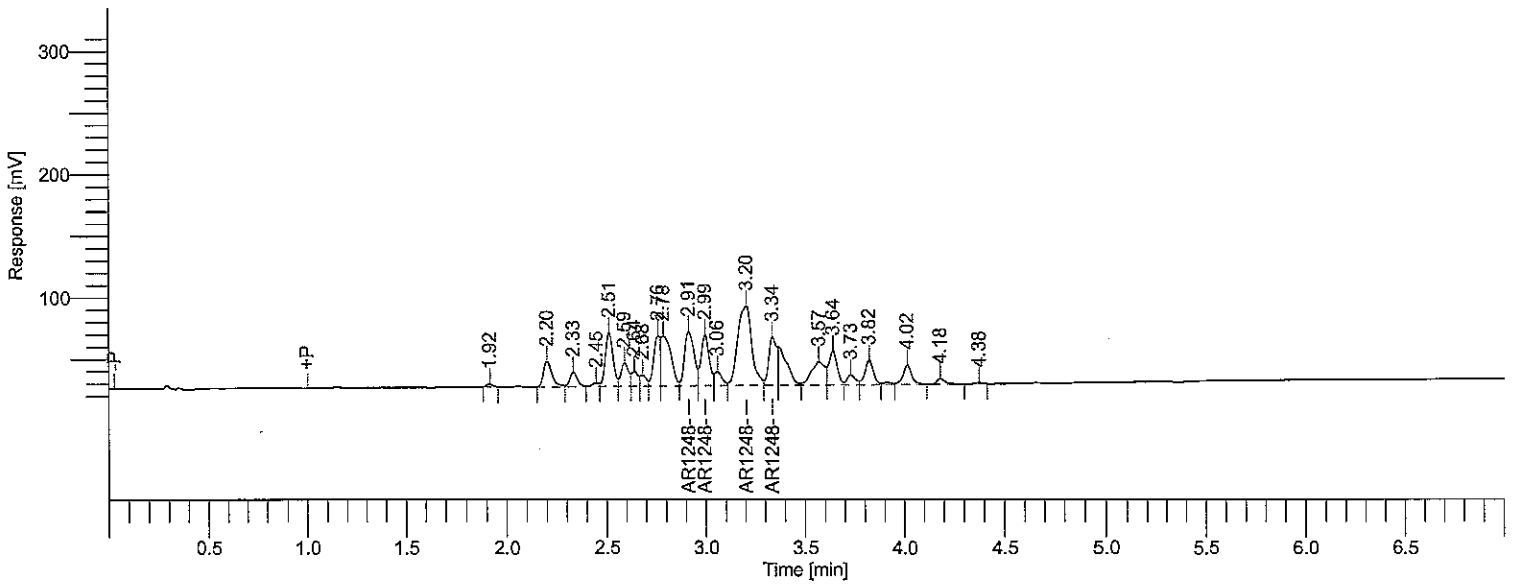
OCT 16 2010

Group Report For : AR1242

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.91	VV	81014	AR1242-A	0.6092	1.3297e+05	1.6203e+05	1.5
2.20	VV	154541	AR1242-B	0.5781	2.6731e+05	3.0908e+05	-3.6
2.33	VV	83951	AR1242-C	0.5905	1.4218e+05	1.6790e+05	-1.6
2.51	VV	223037	AR1242-D	0.5907	3.7757e+05	4.4607e+05	-1.5
		542542		2.3686		1.0851e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:35
Reprocess Number	: buf23: 12761		
Operator	: tchrom	Sample Name	: Ar1248
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 17:56:34	Cycle	: 7

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89197.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89197.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89197.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89197.rst
Calib Method : h:\turbo6\5890-12\12a-48(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89197.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
11	2.91	VV	145763	AR1248-A	0.50000	0.12500	4
12	2.99	VV	116695	AR1248-B	0.50000	0.12500	4
14	3.20	VV	321471	AR1248-C	0.50000	0.12500	4
15	3.34	VV	110699	AR1248-D	0.50000	0.12500	4
			694629			0.50000	

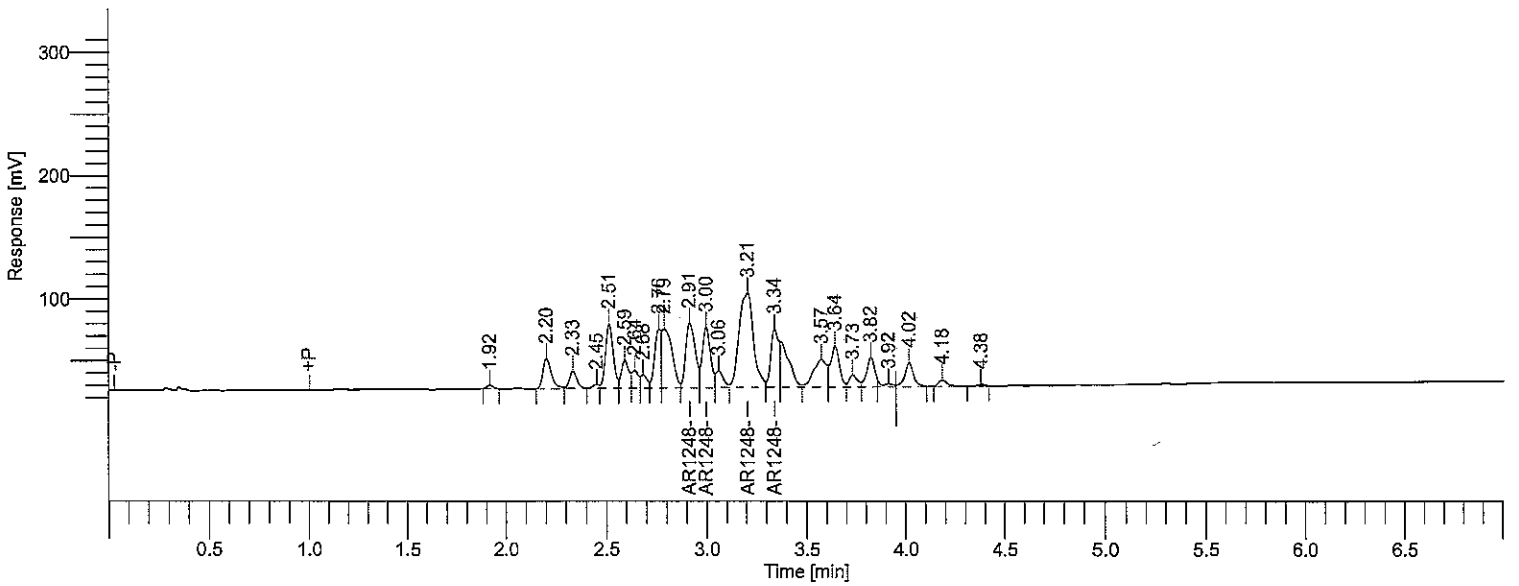
Processed by: [signature] OCT 16 2010
Reviewed by: [signature] 10/17/10

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
11	2.91	VV	145763	AR1248-A	0.50000	0.12500	4
12	2.99	VV	116695	AR1248-B	0.50000	0.12500	4
14	3.20	VV	321471	AR1248-C	0.50000	0.12500	4
15	3.34	VV	110699	AR1248-D	0.50000	0.12500	4
			694629			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:44
Reprocess Number	: buf23: 12763		
Operator	: tchrom	Sample Name	: Ar1248
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 18:11:16	Cycle	: 8

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89198.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89198.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89198.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89198.rst
Calib Method : h:\turbo6\5890-12\12a-48(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89198.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.21		828835	AR1248	0.5966	1.3893e+06	1.6577e+06	-0.6
		828835		0.5966		1.6577e+06	

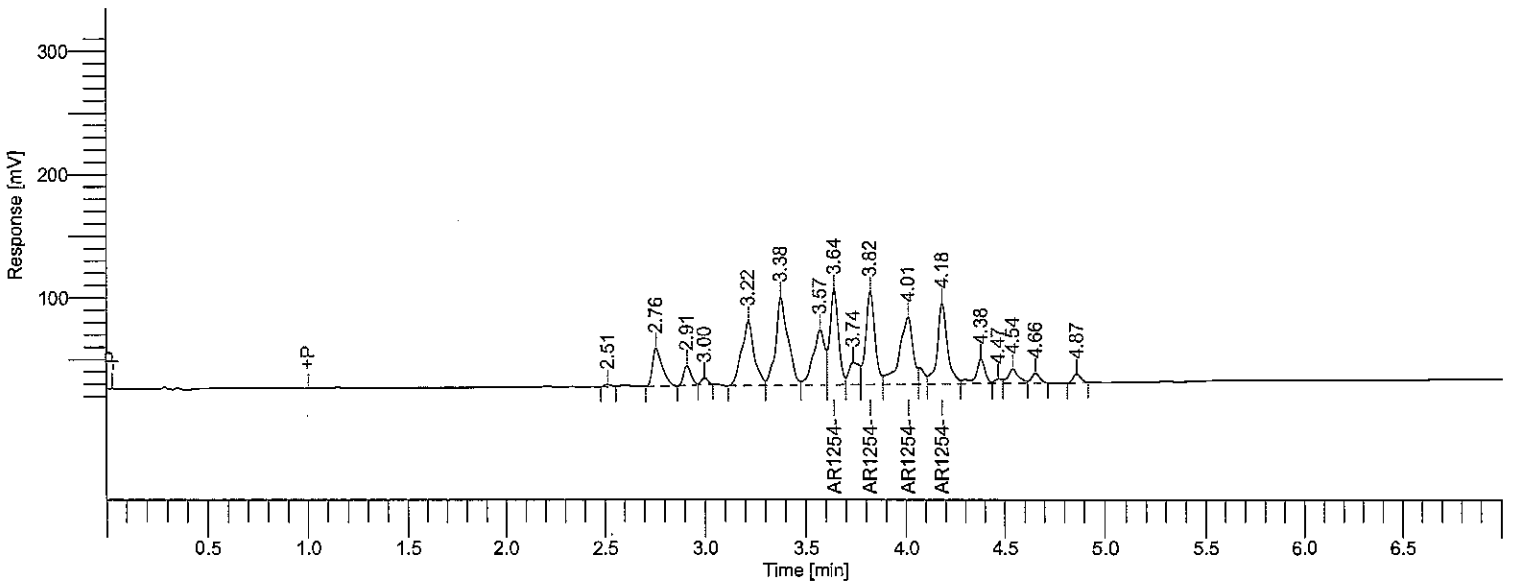
OCT 16 2010

Group Report For : AR1248

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.91	VV	174360	AR1248-A	0.5981	2.9153e+05	3.4872e+05	-0.3
3.00	VV	140243	AR1248-B	0.6009	2.3339e+05	2.8049e+05	0.1
3.21	VV	386419	AR1248-C	0.6010	6.4294e+05	7.7284e+05	0.2
3.34	VV	127813	AR1248-D	0.5773	2.2140e+05	2.5563e+05	-3.8
		828835		2.3773		1.6577e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:52
Reprocess Number	: buf23: 12765		
Operator	: tchrom	Sample Name	: Ar1254
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 18:26:04	Cycle	: 9

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89199.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89199.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89199.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89199.rst
Calib Method : h:\turbo6\5890-12\12a-54(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89199.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
8	3.64	VV	231453	AR1254-A	0.50000	0.12500	4
10	3.82	VV	239905	AR1254-B	0.50000	0.12500	4
11	4.01	VV	262202	AR1254-C	0.50000	0.12500	4
12	4.18	VV	233391	AR1254-D	0.50000	0.12500	4
			966952			0.50000	

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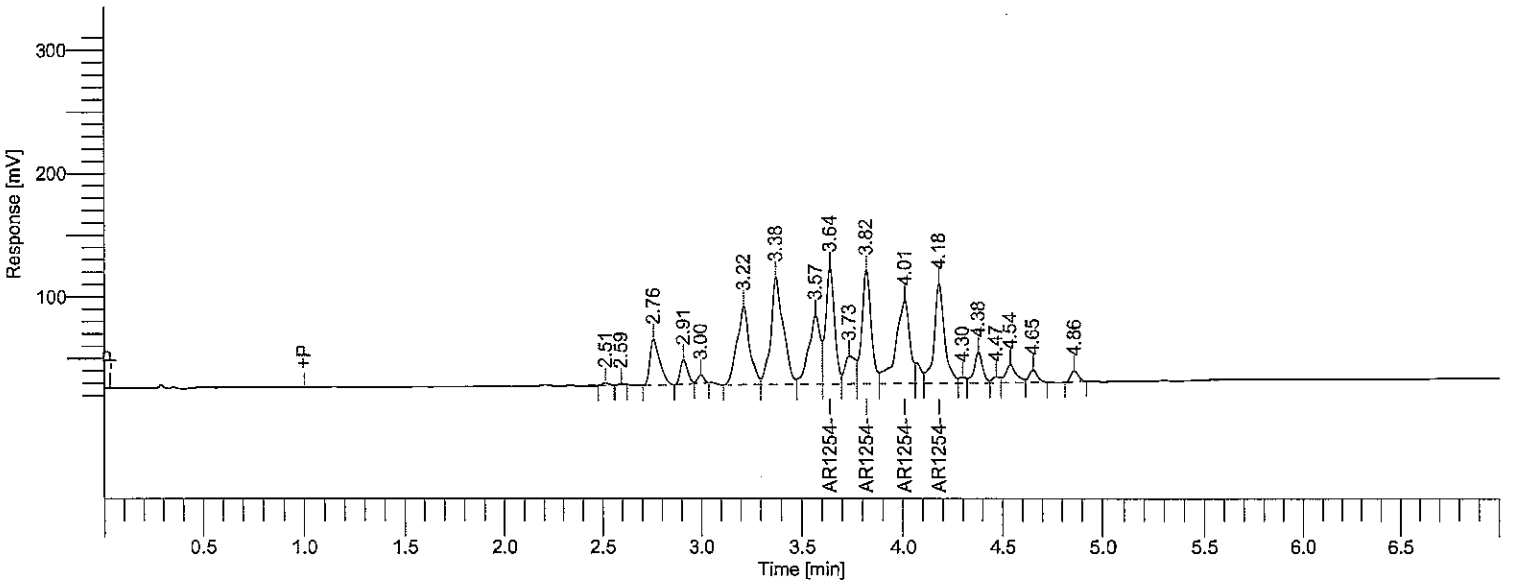
Reviewed by: 10/16/10

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
8	3.64	VV	231453	AR1254-A	0.50000	0.12500	4
10	3.82	VV	239905	AR1254-B	0.50000	0.12500	4
11	4.01	VV	262202	AR1254-C	0.50000	0.12500	4
12	4.18	VV	233391	AR1254-D	0.50000	0.12500	4
			966952			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:01
Reprocess Number	: buf23: 12767		
Operator	: tchrom	Sample Name	: Ar1254
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 18:40:47	Cycle	: 10

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89200.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89200.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89200.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89200.rst
Calib Method : h:\turbo6\5890-12\12a-54(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89200.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.64		1194898	AR1254	0.6179	1.9339e+06	2.3898e+06	3.0
		1194898		0.6179		2.3898e+06	

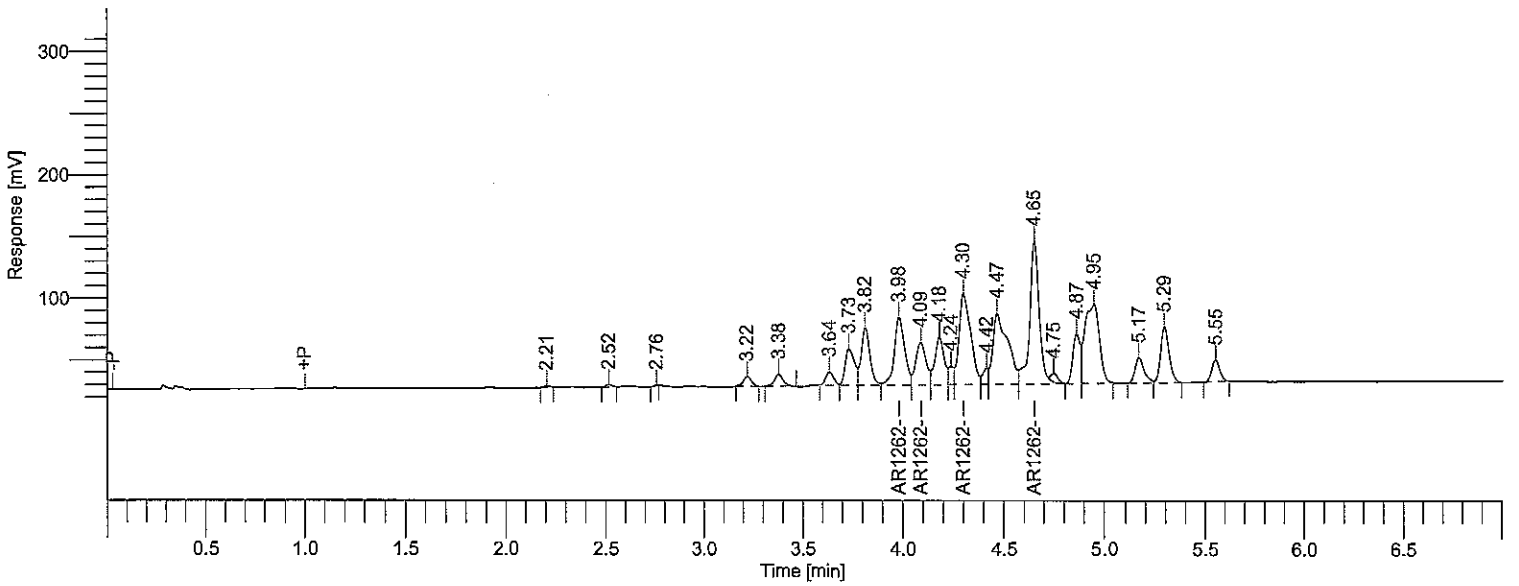
OCT 16 2010

Group Report For : AR1254

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.64	VV	285448	AR1254-A	0.6166	4.6291e+05	5.7090e+05	2.8
3.82	VV	294113	AR1254-B	0.6130	4.7981e+05	5.8823e+05	2.2
4.01	VV	324477	AR1254-C	0.6188	5.2440e+05	6.4895e+05	3.1
4.18	VV	290860	AR1254-D	0.6231	4.6678e+05	5.8172e+05	3.9
		1194898		2.4715		2.3898e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:09
Reprocess Number	: buf23: 12769		
Operator	: tchrom	Sample Name	: Ar1262
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 18:55:32	Cycle	: 11

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89201.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89201.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89201.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89201.rst
Calib Method : h:\turbo6\5890-12\12a-62(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89201.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
9	3.98	VV	190725	AR1262-A	0.50000	0.12500	4
10	4.09	VV	121419	AR1262-B	0.50000	0.12500	4
13	4.30	VV	294997	AR1262-C	0.50000	0.12500	4
16	4.65	VE	387084	AR1262-D	0.50000	0.12500	4
			994225			0.50000	

Group Report For : AR1262

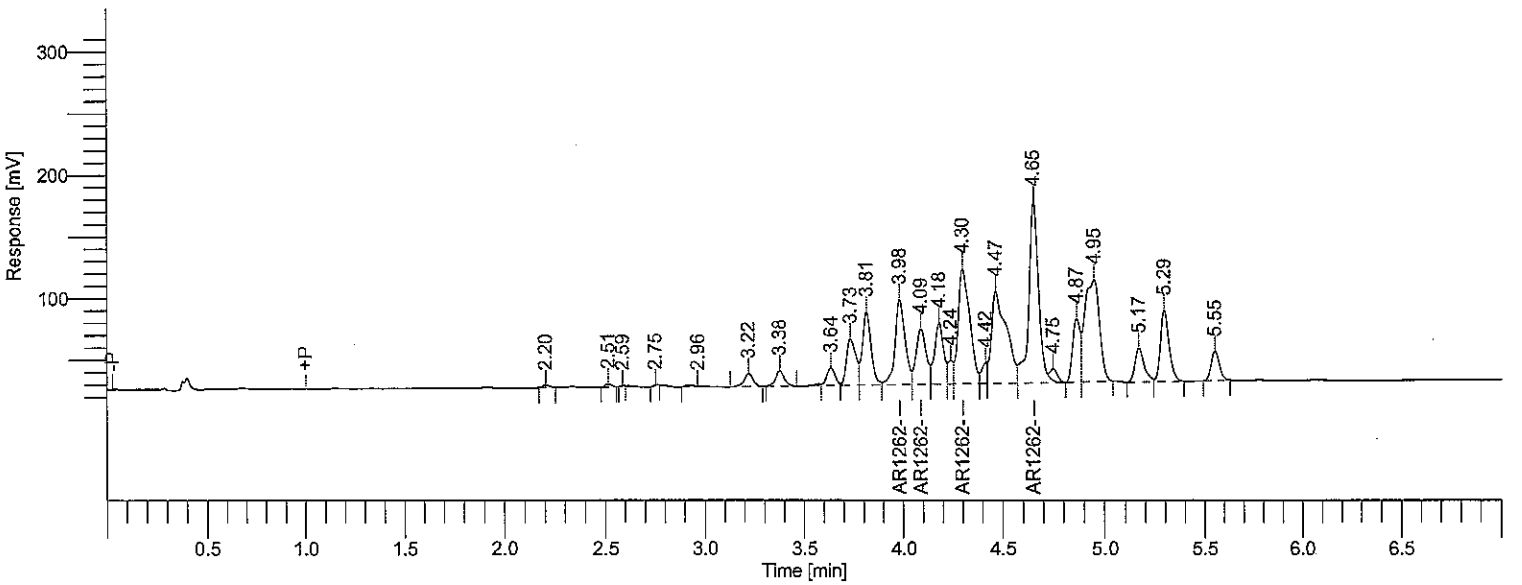
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
9	3.98	VV	190725	AR1262-A	0.50000	0.12500	4
10	4.09	VV	121419	AR1262-B	0.50000	0.12500	4
13	4.30	VV	294997	AR1262-C	0.50000	0.12500	4
16	4.65	VE	387084	AR1262-D	0.50000	0.12500	4
			994225			0.50000	

Processed by: OCT 16 2010

Reviewed by: 10/16/10

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:17
Reprocess Number	: buf23: 12771		
Operator	: tchrom	Sample Name	: Ar1262
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 19:10:14	Cycle	: 12

Rew Data File : H:\TURBO6\5890-12\12-Seq89\12a89202.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89202.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89202.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89202.rst
Calib Method : h:\turbo6\5890-12\12a-62(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89202.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
4.65		1278987	AR1262	0.6432	1.9884e+06	2.5580e+06	7.2
		1278987		0.6432		2.5580e+06	

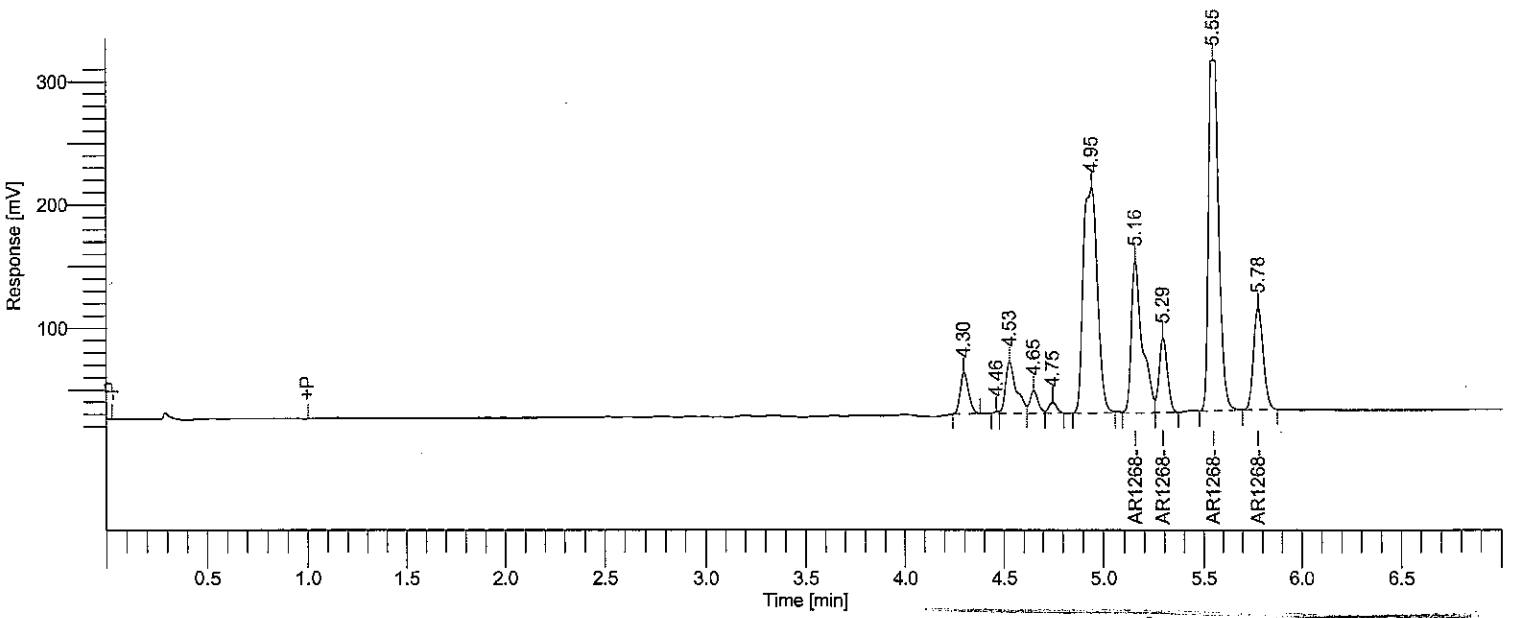
OCT 16 2010

Group Report For : AR1262

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.98	VV	242484	AR1262-A	0.6357	3.8145e+05	4.8497e+05	5.9
4.09	VV	159707	AR1262-B	0.6577	2.4284e+05	3.1941e+05	9.6
4.30	VV	378061	AR1262-C	0.6408	5.8999e+05	7.5612e+05	6.8
4.65	VE	498735	AR1262-D	0.6442	7.7417e+05	9.9747e+05	7.4
		1278987		2.5784		2.5580e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:24
Reprocess Number	: buf23: 12773		
Operator	: tchrom	Sample Name	: Ar1268
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 19:25:01	Cycle	: 13

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89203.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89203.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89203.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89203.rst
Calib Method : h:\turbo6\5890-12\12a-68(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89203.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
7	5.16	VV	473038	AR1268-A	0.50000	0.12500	4
8	5.29	VB	177536	AR1268-B	0.50000	0.12500	4
9	5.55	BV	1115256	AR1268-C	0.50000	0.12500	4
10	5.78	VB	287194	AR1268-D	0.50000	0.12500	4
			2053025			0.50000	

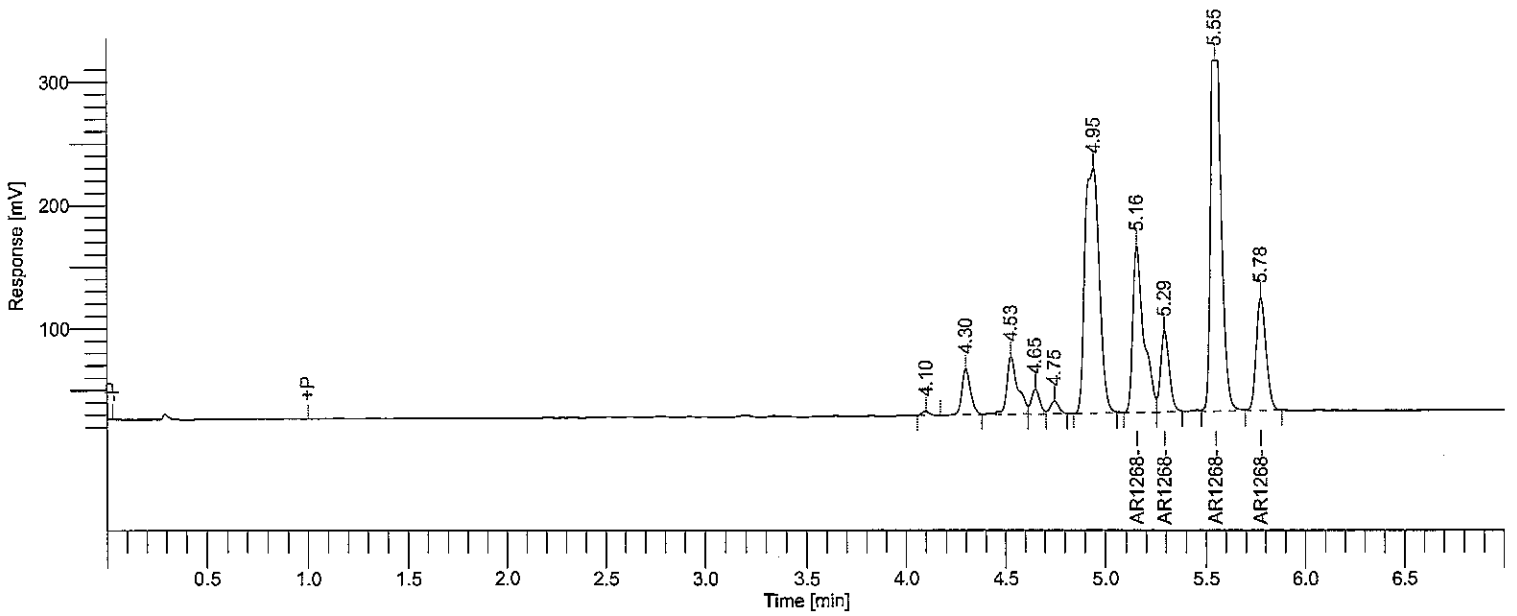
Processed by: OCT 16 2010
Reviewed by: 10/16/10

Group Report For : AR1268

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
7	5.16	VV	473038	AR1268-A	0.50000	0.12500	4
8	5.29	VB	177536	AR1268-B	0.50000	0.12500	4
9	5.55	BV	1115256	AR1268-C	0.50000	0.12500	4
10	5.78	VB	287194	AR1268-D	0.50000	0.12500	4
			2053025			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:31
Reprocess Number	: buf23: 12775		
Operator	: tchrom	Sample Name	: Ar1268
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 19:39:47	Cycle	: 14

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12a89204.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12a89204.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12a89204.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-Seq89\12a89204.rst
Calib Method : h:\turbo6\5890-12\12a-68(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12a89204.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
5.55		2260755	AR1268	0.5506	4.1060e+06	4.5215e+06	-8.2
		2260755		0.5506		4.5215e+06	

OCT 1 6 2010

Group Report For : AR1268

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
5.16	VV	515519	AR1268-A	0.5449	9.4608e+05	1.0310e+06	-9.2
5.29	VV	196265	AR1268-B	0.5527	3.5507e+05	3.9253e+05	-7.9
5.55	VV	1231126	AR1268-C	0.5519	2.2305e+06	2.4623e+06	-8.0
5.78	VB	317846	AR1268-D	0.5534	5.7439e+05	6.3569e+05	-7.8
		2260755		2.2030		4.5215e+06	

TotalChrom Method File H:\TURBO6\5890-12\12b-66(10-16-10).mth
Printed by : RudzG on: 10/17/2010 11:36:21
Created by : RudzG on: 10/17/2010 11:28:12
Edited by : RudzG on: 10/17/2010 11:28:12
Number of Times Edited : 0
Number of Times Calibrated : 776
Description: NEW 7 PT 1016/1260 CURVE FOR INST #12 05/15/10.

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Processed by: OCT 16 2010
Reviewed by: 10/16/10

Component Information

TMX (2C)
Component Type : Single Peak Component
Retention Time : 1.384 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.030000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
B	0.0050	26688.40	15340.65			1
C	0.0100	53658.70	30562.77			1
D	0.0200	112129.80	63736.17			1
E	0.0300	174572.00	99274.34			1
F	0.0400	224252.30	127509.90			1
G	0.0500	270484.55	153378.19			1

Average Calibration Factor = 5.524184e+06 (%RSD = 3.37)

AR1016-A (2C)
Component Type : Single Peak Component
Retention Time : 1.742 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	3117.70	1665.54			1
B	0.0500	6666.10	3452.68			1
C	0.1000	15620.36	7377.40			1
D	0.2500	33114.00	15258.22			1
E	0.5000	68919.93	31264.07			1
F	1.0000	123684.08	56050.15			1
G	2.0000	220634.43	100170.89			1

Average Calibration Factor = 131218.680384 (%RSD = 10.82)

AR1016 (2C)
Component Type : Named Group
Group Members
AR1016-A (2C)
AR1016-B (2C)
AR1016-C (2C)
AR1016-D (2C)
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	26601.70	12202.08			1
B	0.0500	57657.26	24962.95			1
C	0.1000	114196.00	48708.14			1
D	0.2500	251319.71	102644.68			1
E	0.5000	527387.18	212942.51			1
F	1.0000	952393.08	385114.15			1
G	2.0000	1716029.37	693646.34			1

Average Calibration Factor = 1.032805e+06 (%RSD = 10.13)

AR1016-B (2C)
Component Type : Single Peak Component
Retention Time : 2.309 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	12960.00	5992.29			1
B	0.0500	26058.90	11736.95			1
C	0.1000	49726.44	22439.40			1
D	0.2500	108836.47	47117.57			1
E	0.5000	227833.01	98236.10			1
F	1.0000	415922.87	179183.93			1
G	2.0000	756602.99	325207.97			1

Average Calibration Factor = 460296.956131 (%RSD = 11.83)

AR1016-C (2C)
Component Type : Single Peak Component
Retention Time : 2.412 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	4963.60	2284.35			1
B	0.0500	10076.50	4561.50			1
C	0.1000	19559.90	8796.50			1
D	0.2500	49409.40	19694.44			1
E	0.5000	105333.28	41092.59			1
F	1.0000	188497.36	74042.00			1
G	2.0000	337572.58	133105.04			1

Average Calibration Factor = 194465.832209 (%RSD = 6.76)

AR1016-D (2C)
Component Type : Single Peak Component
Retention Time : 2.752 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	5560.40	2259.89	----------	----------	1
B	0.0500	14855.76	5211.82	----------	----------	1
C	0.1000	29289.30	10094.83	----------	----------	1
D	0.2500	59959.84	20574.46	----------	----------	1
E	0.5000	125300.96	42349.75	----------	----------	1
F	1.0000	224288.77	75838.06	----------	----------	1
G	2.0000	401219.37	135162.44	----------	----------	1

Average Calibration Factor = 246823.404425 (%RSD = 14.75)

AR1260-A (2C)
Component Type : Single Peak Component
Retention Time : 4.276 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	8439.11	3783.74	----------	----------	1
B	0.0500	17408.82	7558.08	----------	----------	1
C	0.1000	34800.80	14840.59	----------	----------	1
D	0.2500	70880.55	30272.44	----------	----------	1
E	0.5000	146237.37	62405.73	----------	----------	1
F	1.0000	263307.39	112508.51	----------	----------	1
G	2.0000	491244.50	208323.95	----------	----------	1

Average Calibration Factor = 302667.896335 (%RSD = 13.90)

AR1260 (2C)
Component Type : Named Group
Group Members
AR1260-A (2C)
AR1260-B (2C)
AR1260-C (2C)
AR1260-D (2C)
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	47660.02	18405.36	----------	----------	1
B	0.0500	97470.47	36076.17	----------	----------	1
C	0.1000	197380.76	71318.82	----------	----------	1
D	0.2500	414765.84	147884.27	----------	----------	1
E	0.5000	871277.30	306393.62	----------	----------	1
F	1.0000	1587522.55	557041.86	----------	----------	1
G	2.0000	2933276.24	1.02e+06	----------	----------	1

Average Calibration Factor = 1.755057e+06 (%RSD = 11.14)

AR1260-B (2C)
Component Type : Single Peak Component
Retention Time : 4.410 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)

Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	17637.42	7537.70	----------	----------	1
B	0.0500	37104.74	14915.02	----------	----------	1
C	0.1000	73076.14	28936.20	----------	----------	1
D	0.2500	152445.60	59449.25	----------	----------	1
E	0.5000	318157.57	122764.16	----------	----------	1
F	1.0000	579771.37	223831.27	----------	----------	1
G	2.0000	1065911.81	407942.68	----------	----------	1

Average Calibration Factor = 648168.231220 (%RSD = 12.36)

AR1260-C (2C)
Component Type : Single Peak Component
Retention Time : 4.706 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	17277.50	5001.93	----------	----------	1
B	0.0500	33436.20	9398.57	----------	----------	1
C	0.1000	68500.98	18751.55	----------	----------	1
D	0.2500	146132.71	39462.77	----------	----------	1
E	0.5000	308811.71	81764.96	----------	----------	1
F	1.0000	563333.84	148969.58	----------	----------	1
G	2.0000	1042247.53	272429.56	----------	----------	1

Average Calibration Factor = 618777.950555 (%RSD = 10.62)

AR1260-D (2C)
Component Type : Single Peak Component
Retention Time : 5.073 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.500000
Value 2 : 4.000000
Value 3 : 0.600000
Value 4 : 0.000000
Value 5 : 0.250000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A	0.0250	4306.00	2081.99	----------	----------	1
B	0.0500	9520.71	4204.50	----------	----------	1
C	0.1000	21002.85	8790.47	----------	----------	1
D	0.2500	45306.98	18699.81	----------	----------	1
E	0.5000	98070.66	39458.77	----------	----------	1
F	1.0000	181109.94	71732.50	----------	----------	1
G	2.0000	333872.39	130597.03	----------	----------	1

Average Calibration Factor = 185442.583547 (%RSD = 7.93)

DCBP (2C)
Component Type : Single Peak Component
Retention Time : 5.525 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)

10/17/2010 11:36:21 Method: H:\TURBO6\5890-12\12b-66(10-16-10).mth

Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.030000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

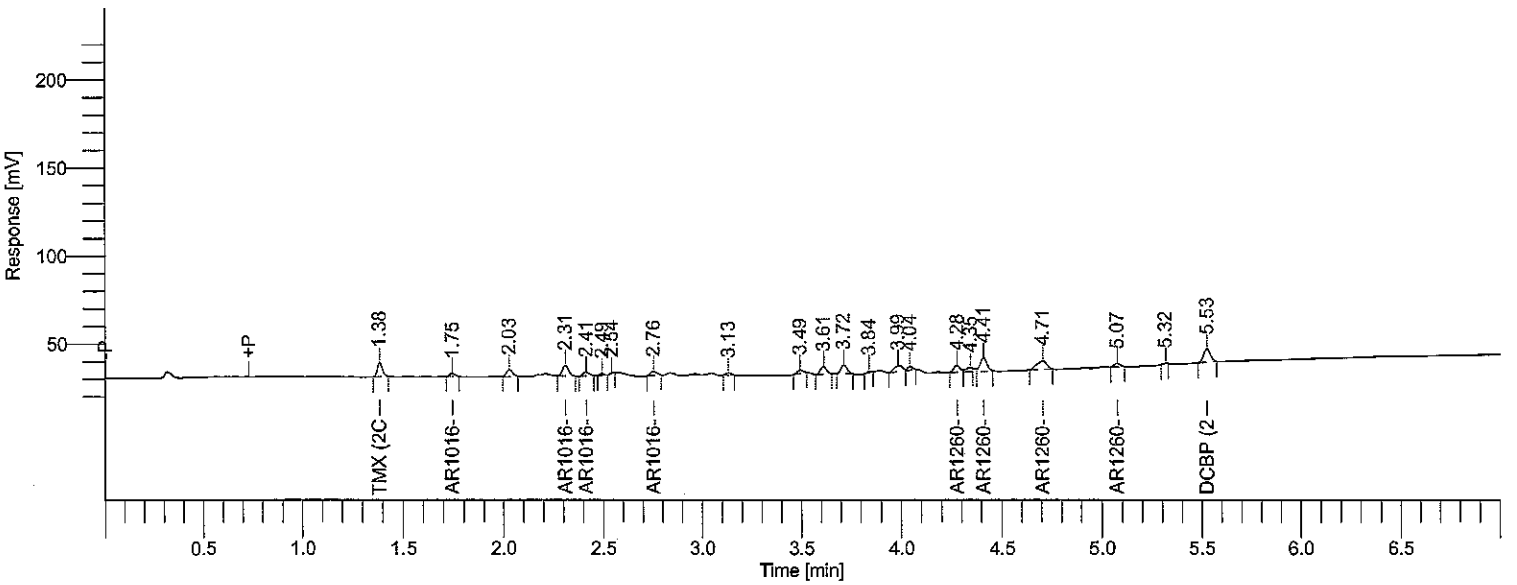
Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
B	0.0050	35679.20	14532.71			1
C	0.0100	69521.70	27750.77			1
D	0.0200	141689.40	55331.04			1
E	0.0300	212300.90	81853.95			1
F	0.0400	267364.30	102680.49			1
G	0.0500	316057.90	120525.56			1

Average Calibration Factor = 6.875740e+06 (%RSD = 4.61)

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:41
Reprocess Number	: buf23: 12778		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 0.025	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 19:54:34	Cycle	: 15

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89205.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89205.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89205.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89205.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89205.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.38	BB	13763	TMX (2C)	0.00258	——	0
2	1.75	BB	3118	AR1016-A (2C)	0.02500	0.00625	4
4	2.31	BB	12960	AR1016-B (2C)	0.02500	0.00625	4
5	2.41	BB	4964	AR1016-C (2C)	0.02500	0.00625	4
8	2.76	BB	5560	AR1016-D (2C)	0.02500	0.00625	4
16	4.28	BV	8439	AR1260-A (2C)	0.02500	0.00625	4
18	4.41	VB	17637	AR1260-B (2C)	0.02500	0.00625	4
19	4.71	BB	17277	AR1260-C (2C)	0.02500	0.00625	4
20	5.07	BB	4306	AR1260-D (2C)	0.02500	0.00625	4
22	5.53	BB	17980	DCBP (2C)	0.00252	——	0
			106005			0.05000	

Group Report For : AR1016 (2C)

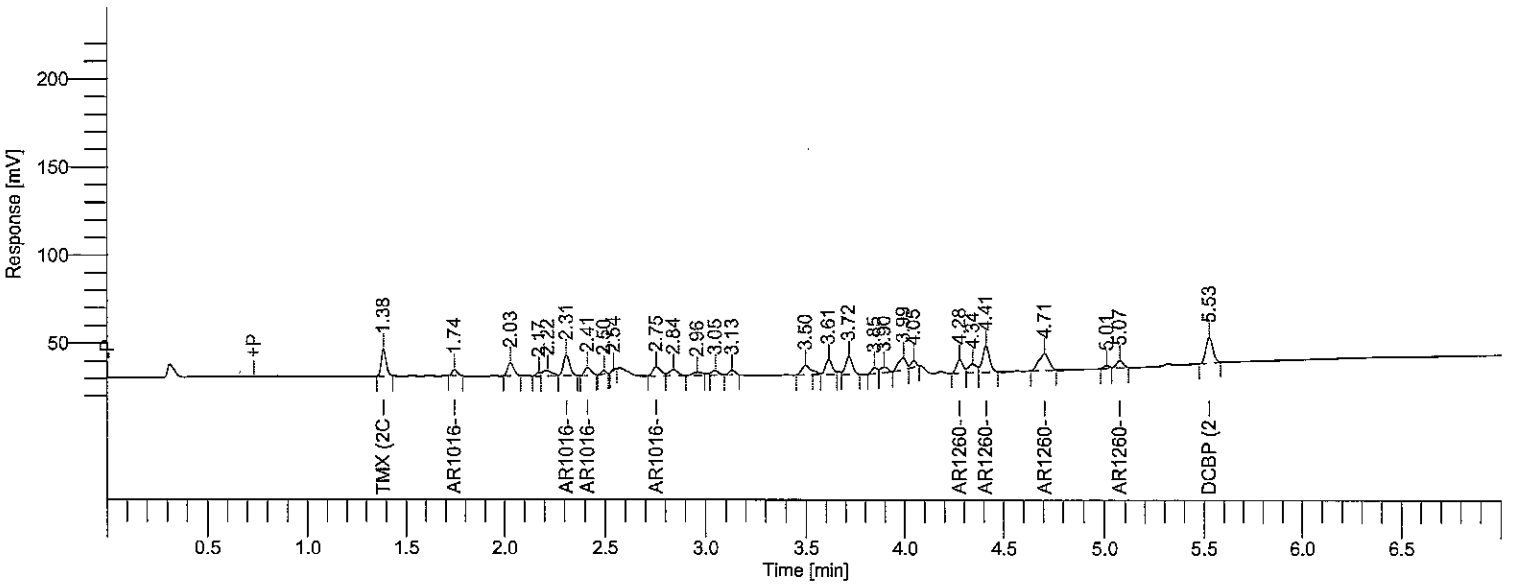
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
2	1.75	BB	3118	AR1016-A (2C)	0.02500	0.00625	4
4	2.31	BB	12960	AR1016-B (2C)	0.02500	0.00625	4
5	2.41	BB	4964	AR1016-C (2C)	0.02500	0.00625	4
8	2.76	BB	5560	AR1016-D (2C)	0.02500	0.00625	4
			26602			0.02500	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
16	4.28	BV	8439	AR1260-A (2C)	0.02500	0.00625	4
18	4.41	VB	17637	AR1260-B (2C)	0.02500	0.00625	4
19	4.71	BB	17277	AR1260-C (2C)	0.02500	0.00625	4
20	5.07	BB	4306	AR1260-D (2C)	0.02500	0.00625	4
			47660			0.02500	888/1158

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:49
Reprocess Number	: buf23: 12780		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 0.05	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 20:09:18	Cycle	: 16

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89206.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89206.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89206.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89206.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89206.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.38	BB	26688	TMX (2C)	0.00500	------	0
2	1.74	BB	6666	AR1016-A (2C)	0.05000	0.01250	4
6	2.31	VB	26059	AR1016-B (2C)	0.05000	0.01250	4
7	2.41	BB	10077	AR1016-C (2C)	0.05000	0.01250	4
10	2.75	BV	14856	AR1016-D (2C)	0.05000	0.01250	4
22	4.28	BV	17409	AR1260-A (2C)	0.05000	0.01250	4
24	4.41	VB	37105	AR1260-B (2C)	0.05000	0.01250	4
25	4.71	BB	33436	AR1260-C (2C)	0.05000	0.01250	4
27	5.07	VB	9521	AR1260-D (2C)	0.05000	0.01250	4
28	5.53	BB	35679	DCBP (2C)	0.00500	------	0
			217495			0.10000	

Group Report For : AR1016 (2C)

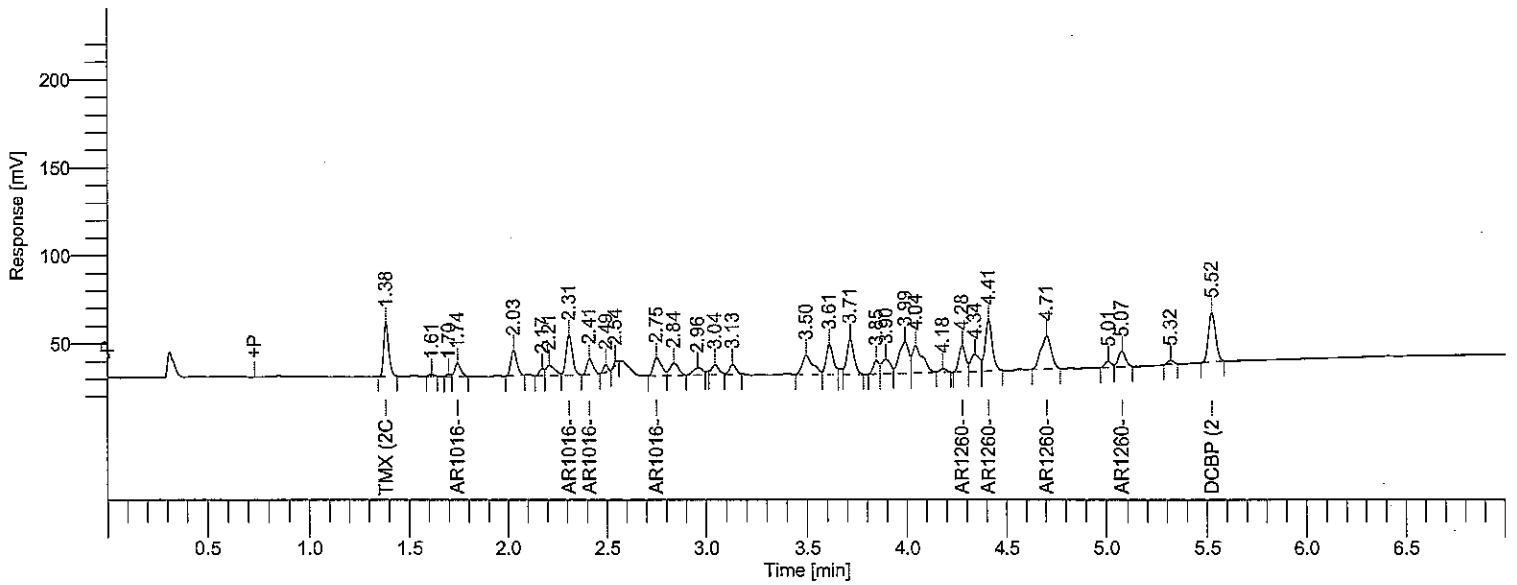
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
2	1.74	BB	6666	AR1016-A (2C)	0.05000	0.01250	4
6	2.31	VB	26059	AR1016-B (2C)	0.05000	0.01250	4
7	2.41	BB	10077	AR1016-C (2C)	0.05000	0.01250	4
10	2.75	BV	14856	AR1016-D (2C)	0.05000	0.01250	4
			57657			0.05000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
22	4.28	BV	17409	AR1260-A (2C)	0.05000	0.01250	4
24	4.41	VB	37105	AR1260-B (2C)	0.05000	0.01250	4
25	4.71	BB	33436	AR1260-C (2C)	0.05000	0.01250	4
27	5.07	VB	9521	AR1260-D (2C)	0.05000	0.01250	4
			97470			0.05000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:55
Reprocess Number	: buf23: 12782		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 0.10	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 20:24:04	Cycle	: 17

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89207.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89207.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89207.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89207.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89207.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.38	BB	53659	TMX (2C)	0.01000	——	0
4	1.74	VB	15620	AR1016-A (2C)	0.10000	0.02500	4
8	2.31	VB	49726	AR1016-B (2C)	0.10000	0.02500	4
9	2.41	BB	19560	AR1016-C (2C)	0.10000	0.02500	4
12	2.75	BV	29289	AR1016-D (2C)	0.10000	0.02500	4
25	4.28	BV	34801	AR1260-A (2C)	0.10000	0.02500	4
27	4.41	VV	73076	AR1260-B (2C)	0.10000	0.02500	4
28	4.71	VB	68501	AR1260-C (2C)	0.10000	0.02500	4
30	5.07	VB	21003	AR1260-D (2C)	0.10000	0.02500	4
32	5.52	BB	69522	DCBP (2C)	0.01000	——	0
			434757			0.20000	

Group Report For : AR1016 (2C)

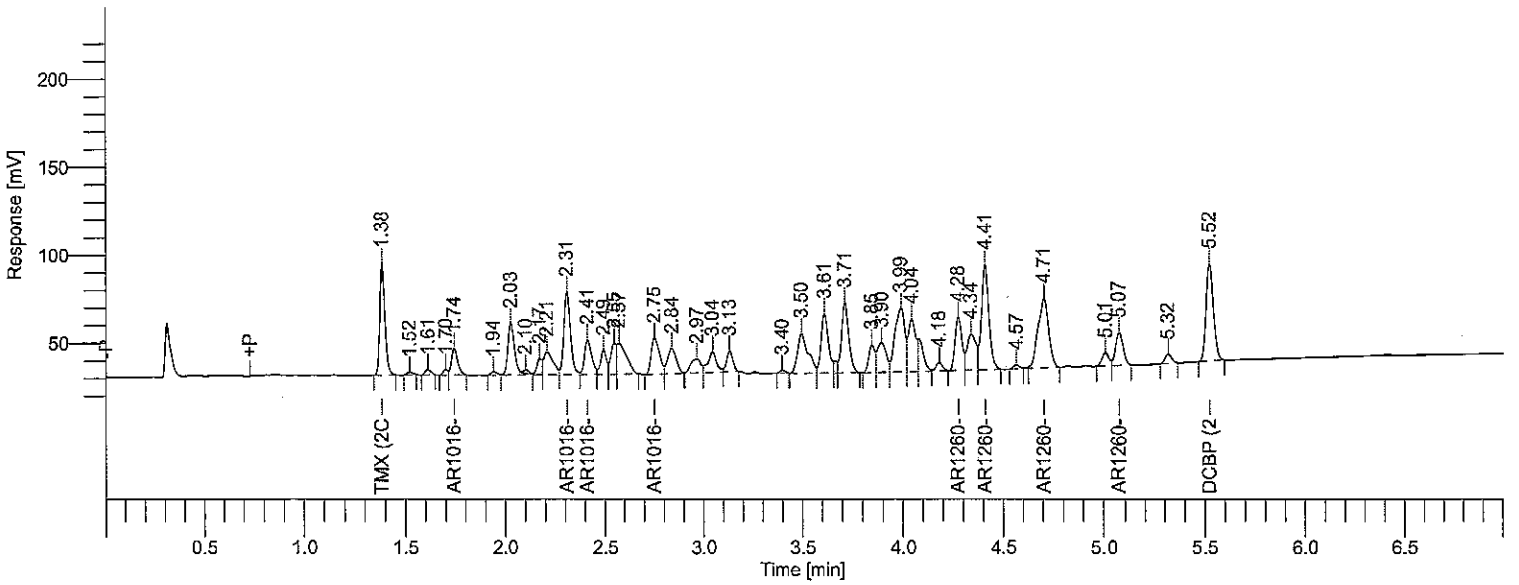
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.74	VB	15620	AR1016-A (2C)	0.10000	0.02500	4
8	2.31	VB	49726	AR1016-B (2C)	0.10000	0.02500	4
9	2.41	BB	19560	AR1016-C (2C)	0.10000	0.02500	4
12	2.75	BV	29289	AR1016-D (2C)	0.10000	0.02500	4
			114196			0.10000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
25	4.28	BV	34801	AR1260-A (2C)	0.10000	0.02500	4
27	4.41	VV	73076	AR1260-B (2C)	0.10000	0.02500	4
28	4.71	VB	68501	AR1260-C (2C)	0.10000	0.02500	4
30	5.07	VB	21003	AR1260-D (2C)	0.10000	0.02500	4
			197381			0.10000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:23:02
Reprocess Number	: buf23: 12784		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 0.25	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 20:38:49	Cycle	: 18

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89208.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89208.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89208.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89208.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89208.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.38	BB	112130	TMX (2C)	0.02000	------	0
5	1.74	VB	33114	AR1016-A (2C)	0.25000	0.06250	4
11	2.31	VV	108836	AR1016-B (2C)	0.25000	0.06250	4
12	2.41	VV	49409	AR1016-C (2C)	0.25000	0.06250	4
16	2.75	BV	59960	AR1016-D (2C)	0.25000	0.06250	4
30	4.28	BV	70881	AR1260-A (2C)	0.25000	0.06250	4
32	4.41	VB	152446	AR1260-B (2C)	0.25000	0.06250	4
34	4.71	VB	146133	AR1260-C (2C)	0.25000	0.06250	4
36	5.07	VB	45307	AR1260-D (2C)	0.25000	0.06250	4
38	5.52	BB	141689	DCBP (2C)	0.02000	------	0
			919905			0.50000	

Group Report For : AR1016 (2C)

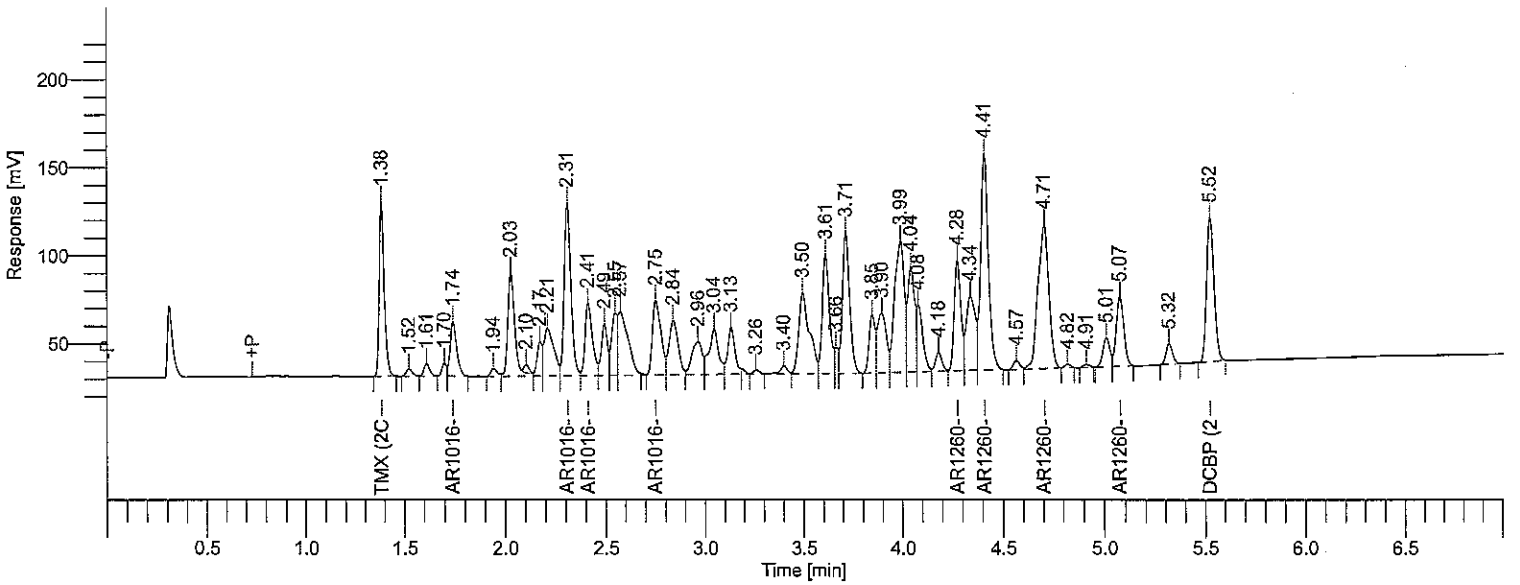
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.74	VB	33114	AR1016-A (2C)	0.25000	0.06250	4
11	2.31	VV	108836	AR1016-B (2C)	0.25000	0.06250	4
12	2.41	VV	49409	AR1016-C (2C)	0.25000	0.06250	4
16	2.75	BV	59960	AR1016-D (2C)	0.25000	0.06250	4
			251320			0.25000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
30	4.28	BV	70881	AR1260-A (2C)	0.25000	0.06250	4
32	4.41	VB	152446	AR1260-B (2C)	0.25000	0.06250	4
34	4.71	VB	146133	AR1260-C (2C)	0.25000	0.06250	4
36	5.07	VB	45307	AR1260-D (2C)	0.25000	0.06250	4
			414766			0.25000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:23:08
Reprocess Number	: buf23: 12786		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 0.50	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 20:53:39	Cycle	: 19

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89209.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89209.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89209.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89209.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89209.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.38	BB	174572	TMX (2C)	0.03000	——	0
5	1.74	VB	68920	AR1016-A (2C)	0.50000	0.12500	4
11	2.31	VV	227833	AR1016-B (2C)	0.50000	0.12500	4
12	2.41	VV	105333	AR1016-C (2C)	0.50000	0.12500	4
16	2.75	VV	125301	AR1016-D (2C)	0.50000	0.12500	4
33	4.28	VV	146237	AR1260-A (2C)	0.50000	0.12500	4
35	4.41	VB	318158	AR1260-B (2C)	0.50000	0.12500	4
37	4.71	VV	308812	AR1260-C (2C)	0.50000	0.12500	4
41	5.07	VB	98071	AR1260-D (2C)	0.50000	0.12500	4
43	5.52	BB	212301	DCBP (2C)	0.03000	——	0
			1785537			1.00000	

Group Report For : AR1016 (2C)

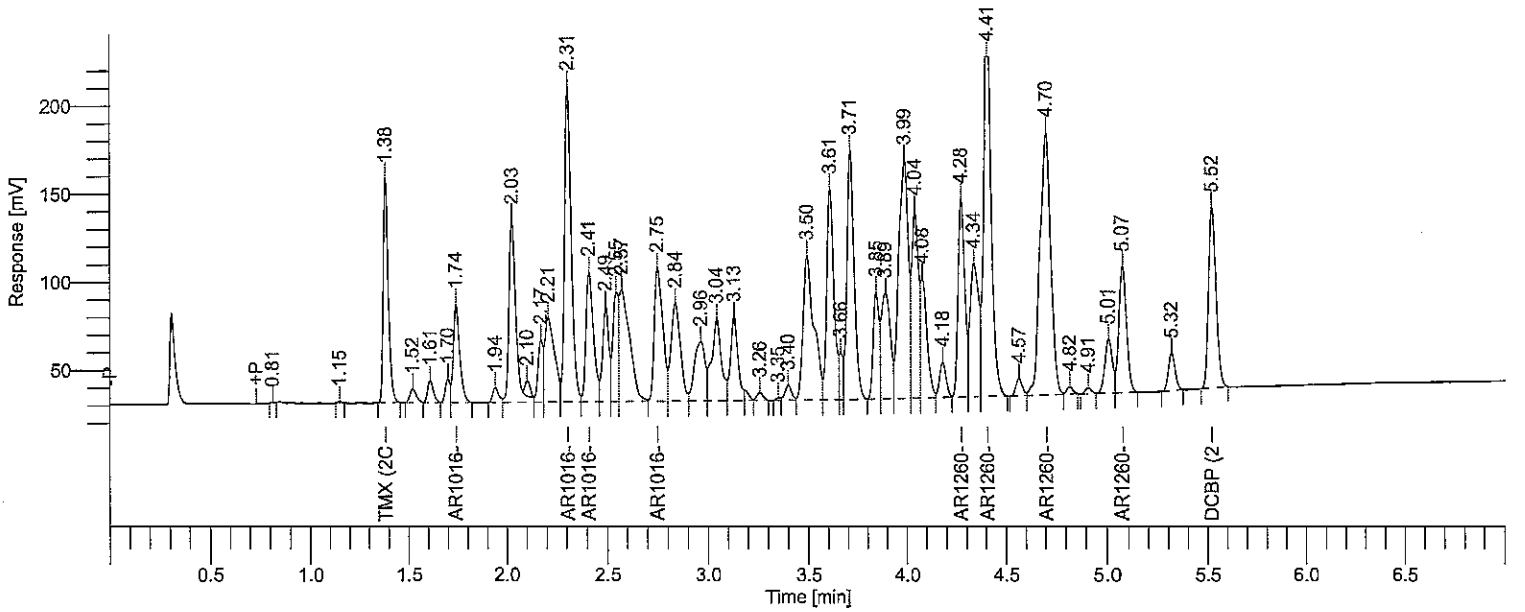
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.74	VB	68920	AR1016-A (2C)	0.50000	0.12500	4
11	2.31	VV	227833	AR1016-B (2C)	0.50000	0.12500	4
12	2.41	VV	105333	AR1016-C (2C)	0.50000	0.12500	4
16	2.75	VV	125301	AR1016-D (2C)	0.50000	0.12500	4
			527387			0.50000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
33	4.28	VV	146237	AR1260-A (2C)	0.50000	0.12500	4
35	4.41	VB	318158	AR1260-B (2C)	0.50000	0.12500	4
37	4.71	VV	308812	AR1260-C (2C)	0.50000	0.12500	4
41	5.07	VB	98071	AR1260-D (2C)	0.50000	0.12500	4
			871277			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:23:14
Reprocess Number	: buf23: 12788		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 1.0	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 21:08:24	Cycle	: 20

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89210.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89210.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89210.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89210.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89210.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.38	BB	224252	TMX (2C)	0.04000	------	0
7	1.74	VB	123684	AR1016-A (2C)	1.00000	0.25000	4
13	2.31	VV	415923	AR1016-B (2C)	1.00000	0.25000	4
14	2.41	VV	188497	AR1016-C (2C)	1.00000	0.25000	4
18	2.75	VV	224289	AR1016-D (2C)	1.00000	0.25000	4
36	4.28	VV	263307	AR1260-A (2C)	1.00000	0.25000	4
38	4.41	VB	579771	AR1260-B (2C)	1.00000	0.25000	4
40	4.70	VV	563334	AR1260-C (2C)	1.00000	0.25000	4
44	5.07	VB	181110	AR1260-D (2C)	1.00000	0.25000	4
46	5.52	BB	267364	DCBP (2C)	0.04000	------	0
			3031532			2.00000	

Group Report For : AR1016 (2C)

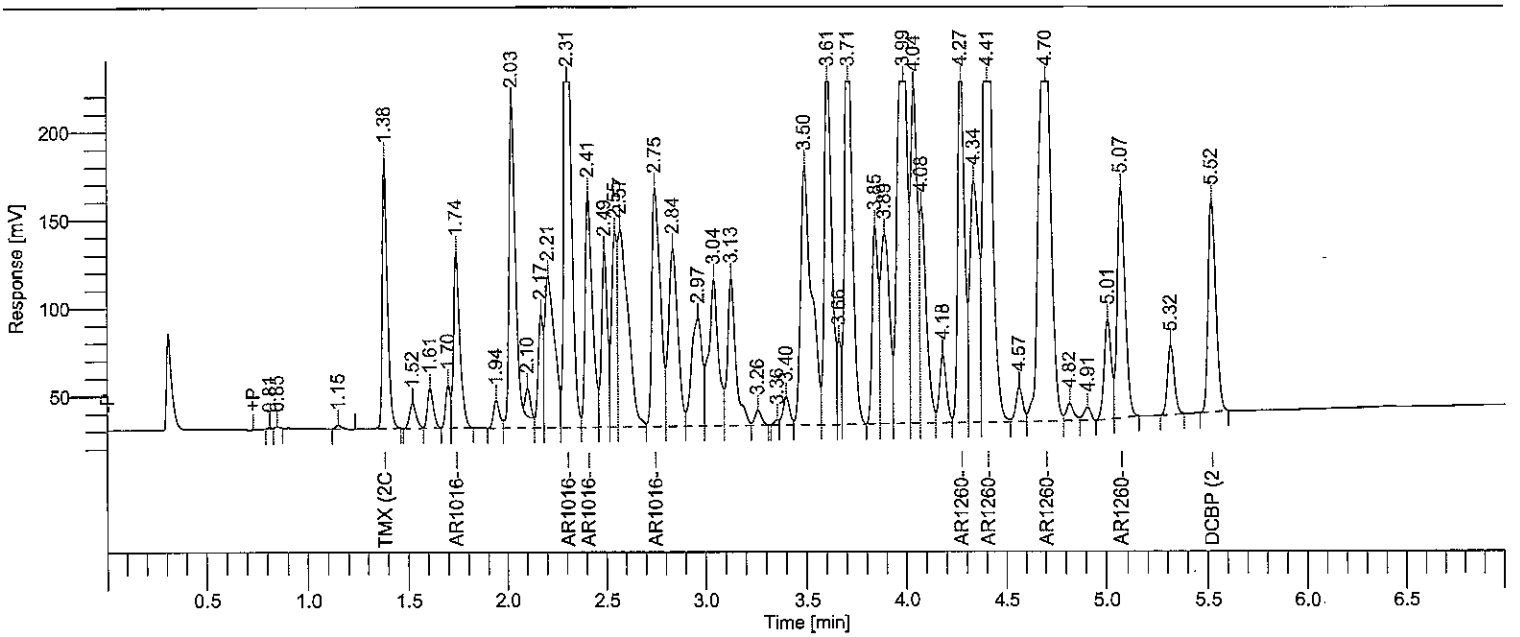
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
7	1.74	VB	123684	AR1016-A (2C)	1.00000	0.25000	4
13	2.31	VV	415923	AR1016-B (2C)	1.00000	0.25000	4
14	2.41	VV	188497	AR1016-C (2C)	1.00000	0.25000	4
18	2.75	VV	224289	AR1016-D (2C)	1.00000	0.25000	4
			952393			1.00000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
36	4.28	VV	263307	AR1260-A (2C)	1.00000	0.25000	4
38	4.41	VB	579771	AR1260-B (2C)	1.00000	0.25000	4
40	4.70	VV	563334	AR1260-C (2C)	1.00000	0.25000	4
44	5.07	VB	181110	AR1260-D (2C)	1.00000	0.25000	4
			1587523			1.00000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:23:20
Reprocess Number	: buf23: 12790		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 2.0	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 21:23:10	Cycle	: 21

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89211.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89211.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89211.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89211.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89211.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.38	VB	270485	TMX (2C)	0.05000	———	0
8	1.74	VB	220634	AR1016-A (2C)	2.00000	0.50000	4
14	2.31	VV	756603	AR1016-B (2C)	2.00000	0.50000	4
15	2.41	VV	337573	AR1016-C (2C)	2.00000	0.50000	4
19	2.75	VV	401219	AR1016-D (2C)	2.00000	0.50000	4
37	4.27	VV	491245	AR1260-A (2C)	2.00000	0.50000	4
39	4.41	VV	1065912	AR1260-B (2C)	2.00000	0.50000	4
41	4.70	VV	1042248	AR1260-C (2C)	2.00000	0.50000	4
45	5.07	VB	333872	AR1260-D (2C)	2.00000	0.50000	4
47	5.52	BB	316058	DCBP (2C)	0.05000	———	0
			5235848			4.00000	

Group Report For : AR1016 (2C)

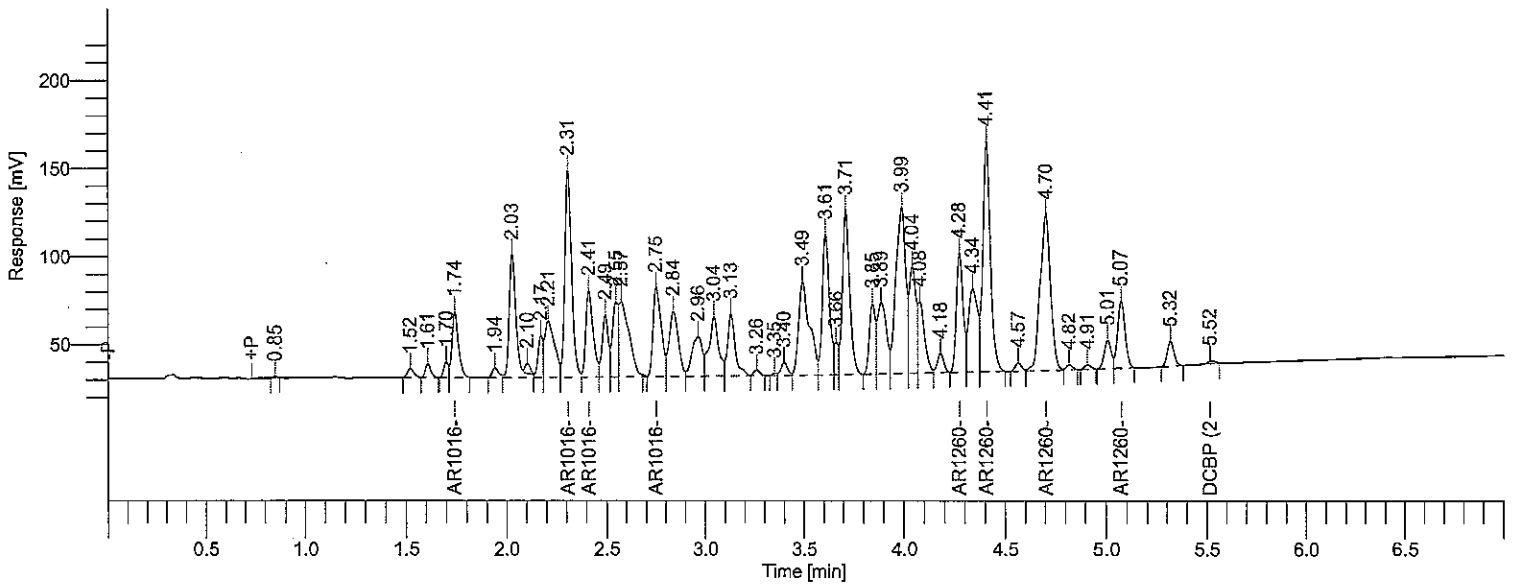
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
8	1.74	VB	220634	AR1016-A (2C)	2.00000	0.50000	4
14	2.31	VV	756603	AR1016-B (2C)	2.00000	0.50000	4
15	2.41	VV	337573	AR1016-C (2C)	2.00000	0.50000	4
19	2.75	VV	401219	AR1016-D (2C)	2.00000	0.50000	4
			1716029			2.00000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
37	4.27	VV	491245	AR1260-A (2C)	2.00000	0.50000	4
39	4.41	VV	1065912	AR1260-B (2C)	2.00000	0.50000	4
41	4.70	VV	1042248	AR1260-C (2C)	2.00000	0.50000	4
45	5.07	VB	333872	AR1260-D (2C)	2.00000	0.50000	4
			2933276			2.00000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:23:24
Reprocess Number	: buf23: 12792		
Operator	: tchrom	Sample Name	: Ar1660
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 21:37:54	Cycle	: 22

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89212.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89212.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89212.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89212.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89212.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.31		628199	AR1016 (2C)	0.6186	1.0155e+06	1.2564e+06	3.1
4.41		915686	AR1260 (2C)	0.5310	1.7245e+06	1.8314e+06	-11.5
		1543885		1.1496		3.0878e+06	

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Group Report For : AR1016 (2C)

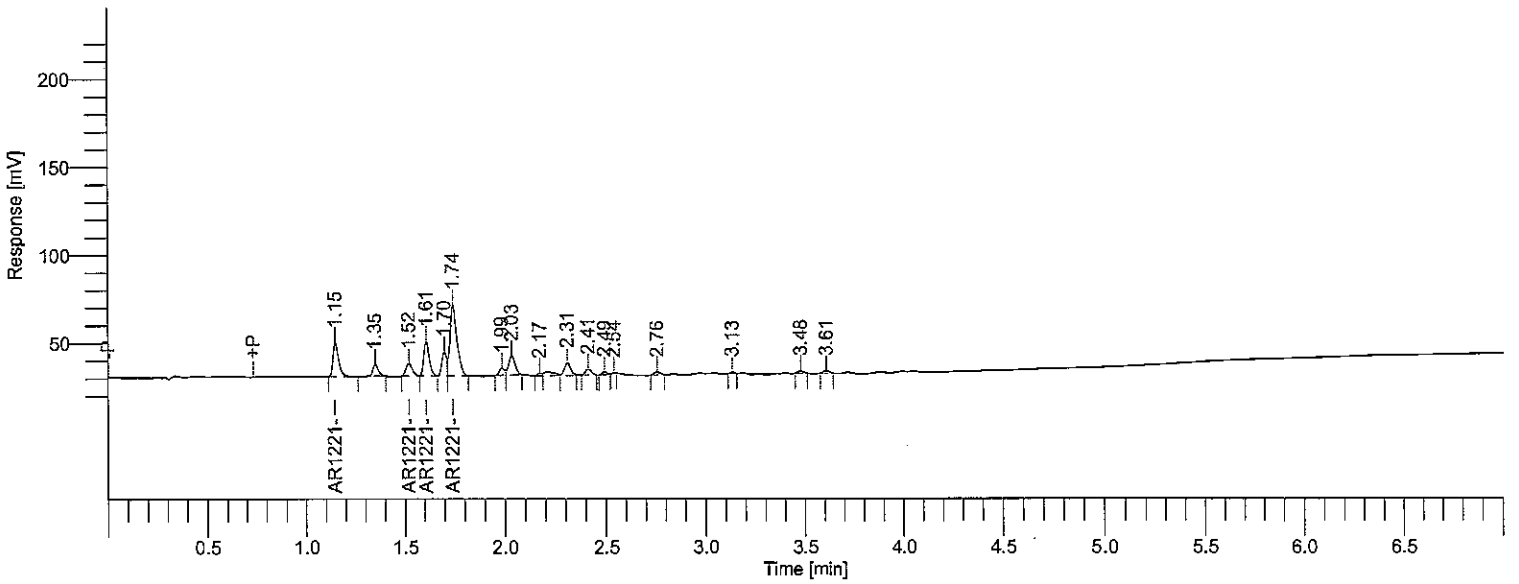
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.74	VB	82107	AR1016-A (2C)	0.6204	1.3235e+05	1.6421e+05	3.4
2.31	VV	272149	AR1016-B (2C)	0.6178	4.4051e+05	5.4430e+05	3.0
2.41	VV	124953	AR1016-C (2C)	0.6180	2.0220e+05	2.4991e+05	3.0
2.75	VV	148990	AR1016-D (2C)	0.6197	2.4044e+05	2.9798e+05	3.3
		628199		2.4758		1.2564e+06	

Group Report For : AR1260 (2C)

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
4.28	BV	158110	AR1260-A (2C)	0.5507	2.8710e+05	3.1622e+05	-8.2
4.41	VB	339888	AR1260-B (2C)	0.5415	6.2764e+05	6.7978e+05	-9.7
4.70	VV	323006	AR1260-C (2C)	0.5279	6.1189e+05	6.4601e+05	-12.0
5.07	VB	94683	AR1260-D (2C)	0.4839	1.9565e+05	1.8937e+05	-19.3
		915686		2.1041		1.8314e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:20:39
Reprocess Number	: buf23: 12750		
Operator	: tchrom	Sample Name	: Ar1221
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 16:28:06	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89191.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89191.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89191.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89191.rst
Calib Method : h:\turbo6\5890-12\12b-21(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89191.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.15	BV	37991	AR1221-A (2C)	0.50000	0.12500	4
3	1.52	BV	16978	AR1221-B (2C)	0.50000	0.12500	4
4	1.61	VV	38092	AR1221-C (2C)	0.50000	0.12500	4
6	1.74	VB	96155	AR1221-D (2C)	0.50000	0.12500	4
			189216			0.50000	

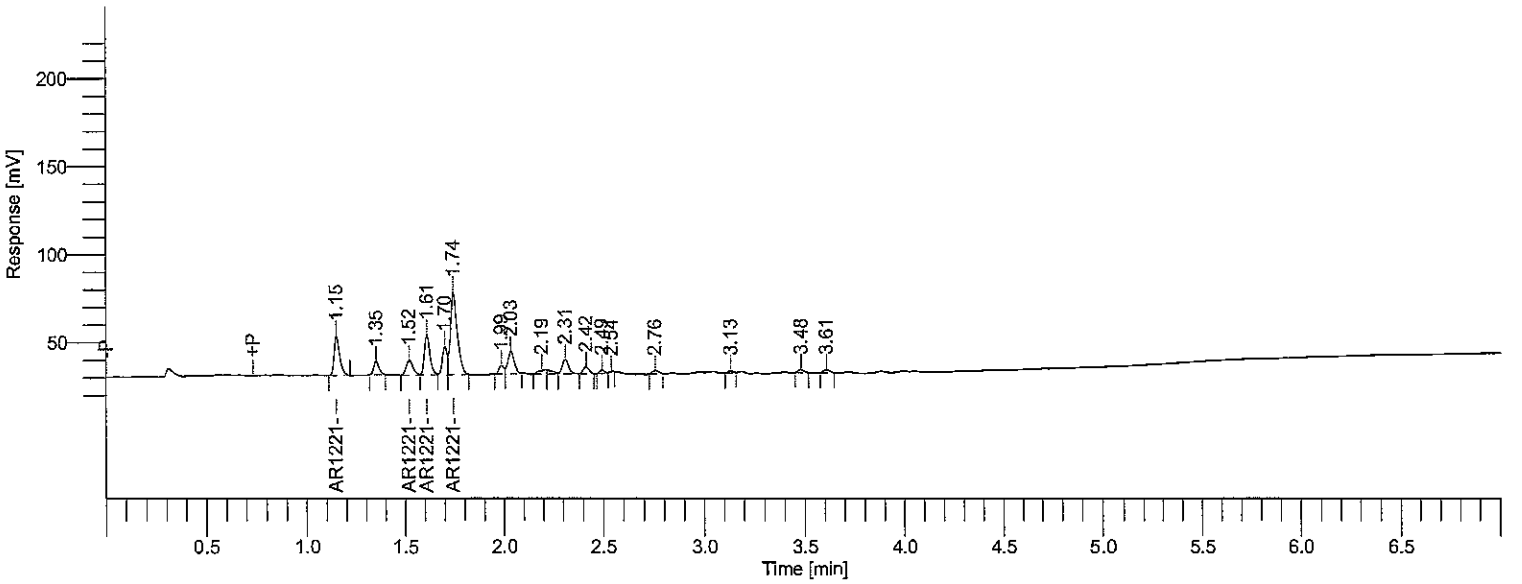
OCT 16 2010
Processed by: _____ / /
Reviewed by: _____ 10/16/10

Group Report For : AR1221 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.15	BV	37991	AR1221-A (2C)	0.50000	0.12500	4
3	1.52	BV	16978	AR1221-B (2C)	0.50000	0.12500	4
4	1.61	VV	38092	AR1221-C (2C)	0.50000	0.12500	4
6	1.74	VB	96155	AR1221-D (2C)	0.50000	0.12500	4
			189216			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:20:50
Reprocess Number	: buf23: 12752		
Operator	: tchrom	Sample Name	: Ar1221
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 16:42:50	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89192.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89192.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89192.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89192.rst
Calib Method : h:\turbo6\5890-12\12b-21(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89192.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.74		220950	AR1221 (2C)	0.5839	3.7843e+05	4.4190e+05	-2.7
		220950		0.5839		4.4190e+05	

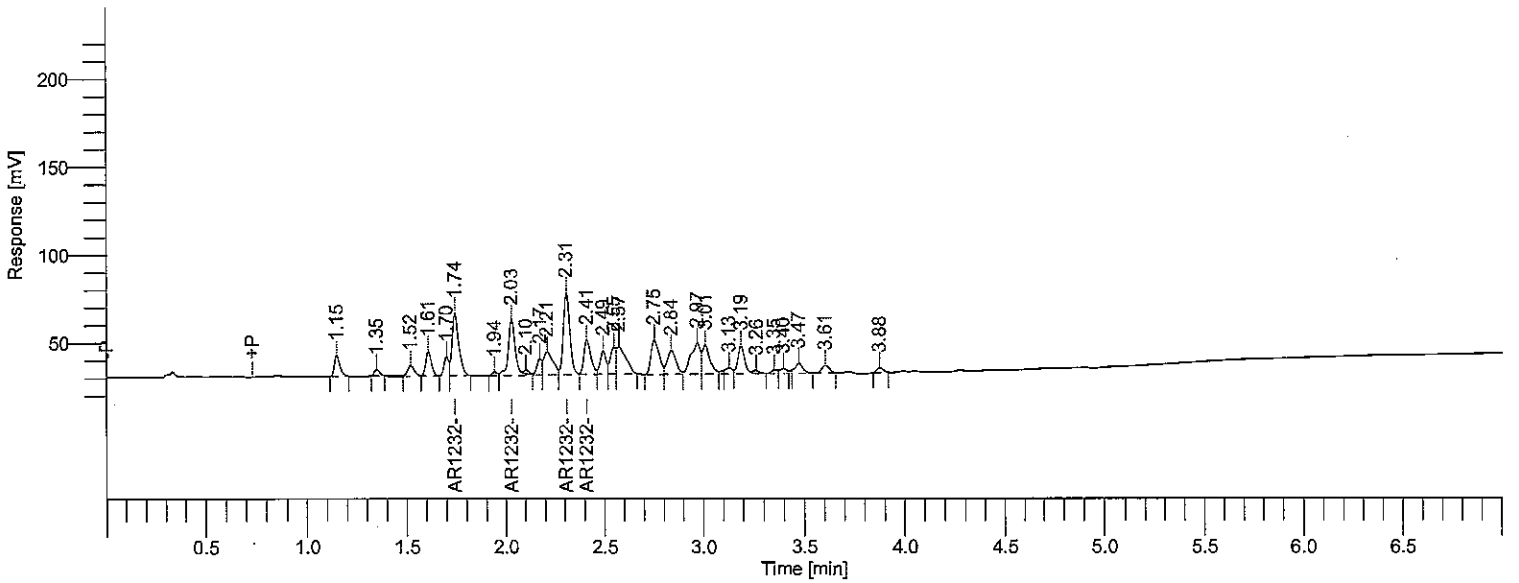
OCT 1 6 2010

Group Report For : AR1221 (2C)

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.15	BV	43648	AR1221-A (2C)	0.5745	75981.4102	87296.9977	-4.3
1.52	BV	20383	AR1221-B (2C)	0.6003	33956.1905	40766.4972	0.0
1.61	VV	44898	AR1221-C (2C)	0.5893	76184.9695	89796.9487	-1.8
1.74	VB	112020	AR1221-D (2C)	0.5825	1.9231e+05	2.2404e+05	-2.9
		220950		2.3466		4.4190e+05	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:01
Reprocess Number	: buf23: 12754		
Operator	: tchrom	Sample Name	: Ar1232
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 16:57:36	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89193.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89193.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89193.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89193.rst
Calib Method : h:\turbo6\5890-12\12b-32(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89193.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	1.74	VB	82650	AR1232-A (2C)	0.50000	0.12500	4
8	2.03	VE	80265	AR1232-B (2C)	0.50000	0.12500	4
12	2.31	VV	106389	AR1232-C (2C)	0.50000	0.12500	4
13	2.41	VV	48709	AR1232-D (2C)	0.50000	0.12500	4
			318014			0.50000	

Processed by: OCT 16 2010

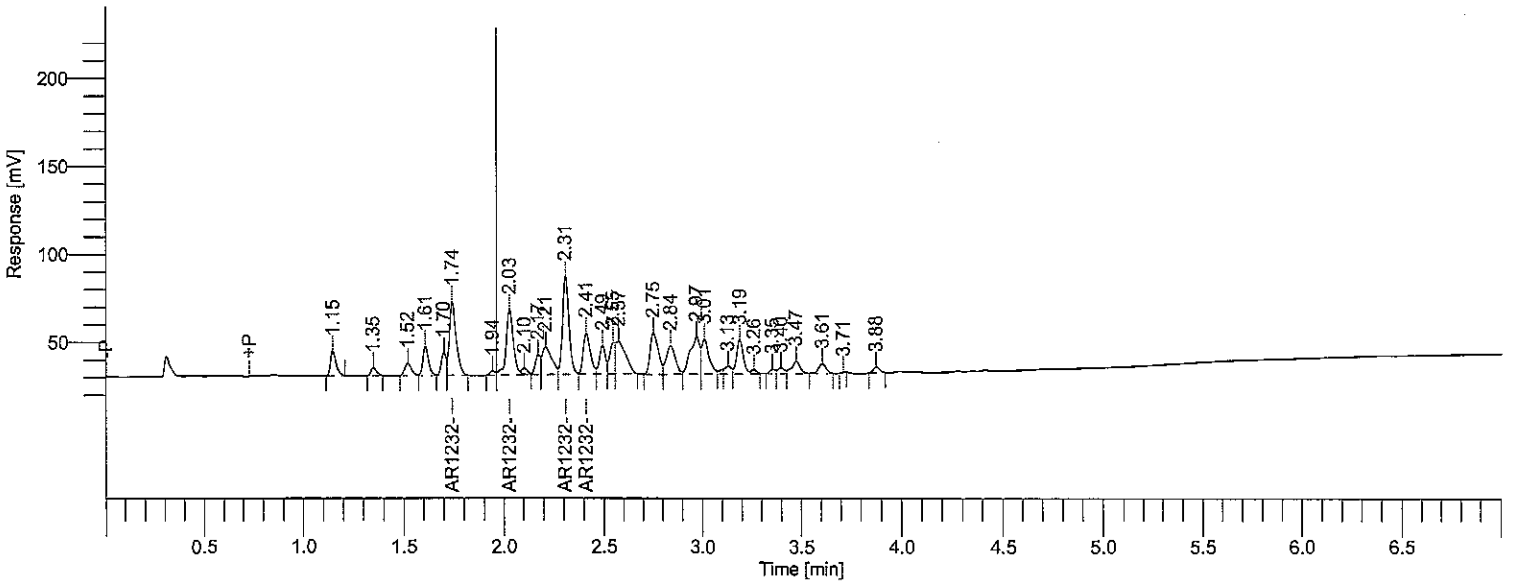
Reviewed by: 10/16/10

Group Report For : AR1232 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	1.74	VB	82650	AR1232-A (2C)	0.50000	0.12500	4
8	2.03	VE	80265	AR1232-B (2C)	0.50000	0.12500	4
12	2.31	VV	106389	AR1232-C (2C)	0.50000	0.12500	4
13	2.41	VV	48709	AR1232-D (2C)	0.50000	0.12500	4
			318014			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:10
Reprocess Number	: buf23: 12756		
Operator	: tchrom	Sample Name	: Ar1232
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 17:12:22	Cycle	: 4

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89194.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89194.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89194.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89194.rst
Calib Method : h:\turbo6\5890-12\12b-32(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89194.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.31		379204	AR1232 (2C)	0.5962	6.3603e+05	7.5841e+05	-0.6
		379204		0.5962		7.5841e+05	

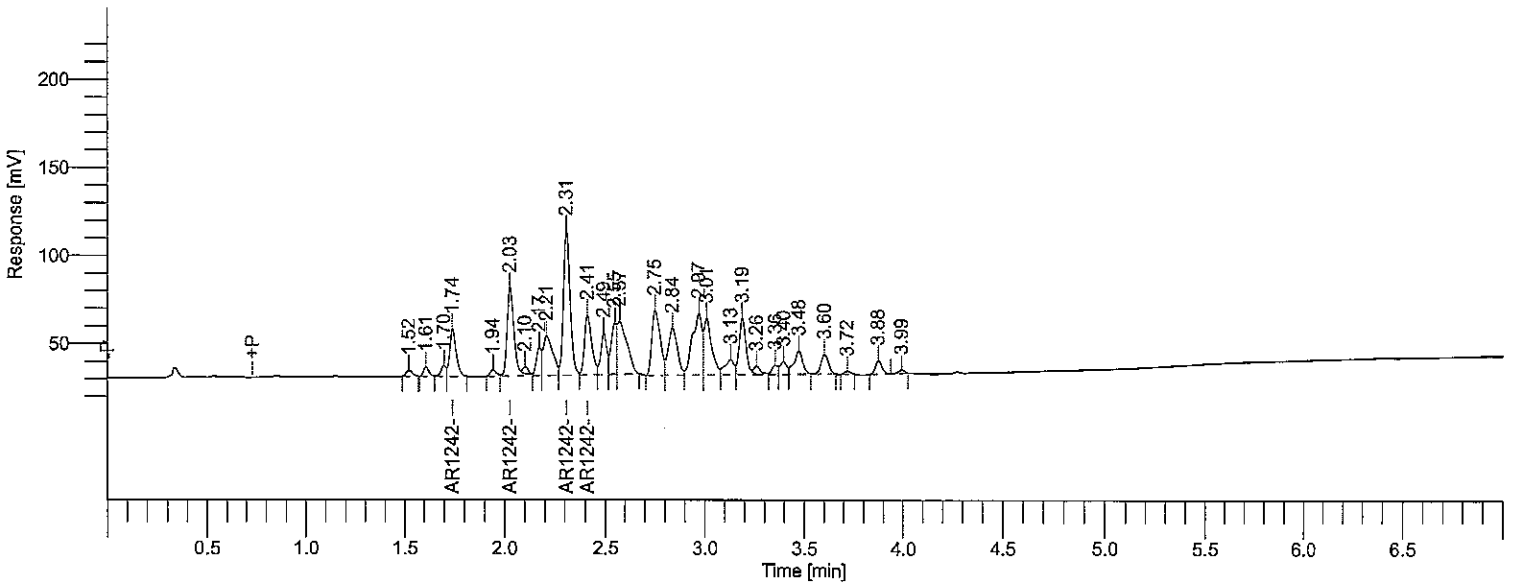
OCT 1 6 2010

Group Report For : AR1232 (2C)

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.74	VB	98337	AR1232-A (2C)	0.5949	1.6530e+05	1.9667e+05	-0.8
2.03	VE	94669	AR1232-B (2C)	0.5897	1.6053e+05	1.8934e+05	-1.7
2.31	VV	127853	AR1232-C (2C)	0.6009	2.1278e+05	2.5571e+05	0.1
2.41	VV	58345	AR1232-D (2C)	0.5989	97418.5350	1.1669e+05	-0.2
		379204		2.3844		7.5841e+05	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:21
Reprocess Number	: buf23: 12758		
Operator	: tchrom	Sample Name	: Ar1242
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 17:27:09	Cycle	: 5

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89195.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89195.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89195.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89195.rst
Calib Method : h:\turbo6\5890-12\12b-42(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89195.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.74	VB	59348	AR1242-A (2C)	0.50000	0.12500	4
6	2.03	VE	120203	AR1242-B (2C)	0.50000	0.12500	4
10	2.31	VV	188063	AR1242-C (2C)	0.50000	0.12500	4
11	2.41	VV	85152	AR1242-D (2C)	0.50000	0.12500	4
			452765			0.50000	

Processed by: OCT 16 2010

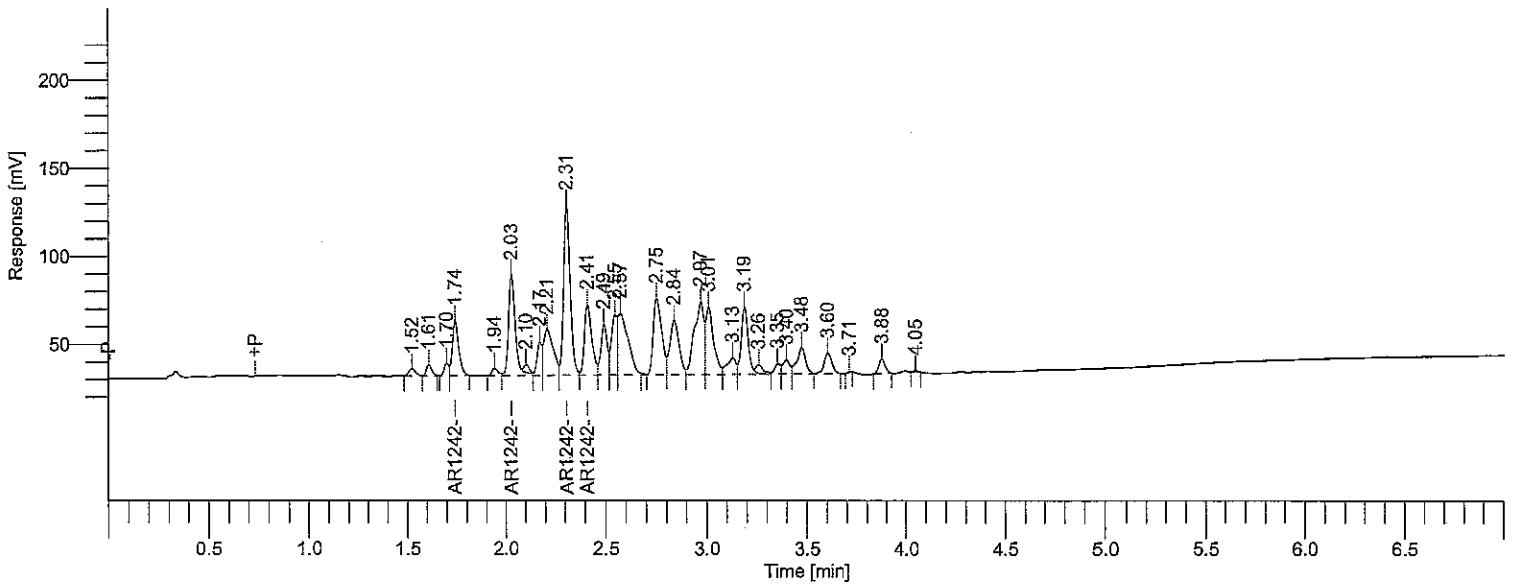
Reviewed by: 10/16/10

Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.74	VB	59348	AR1242-A (2C)	0.50000	0.12500	4
6	2.03	VE	120203	AR1242-B (2C)	0.50000	0.12500	4
10	2.31	VV	188063	AR1242-C (2C)	0.50000	0.12500	4
11	2.41	VV	85152	AR1242-D (2C)	0.50000	0.12500	4
			452765			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:30
Reprocess Number	: buf23: 12760		
Operator	: tchrom	Sample Name	: Ar1242
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 17:41:50	Cycle	: 6

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89196.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89196.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89196.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89196.rst
Calib Method : h:\turbo6\5890-12\12b-42(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89196.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.31		531954	AR1242 (2C)	0.5875	9.0553e+05	1.0639e+06	-2.1
		531954		0.5875		1.0639e+06	

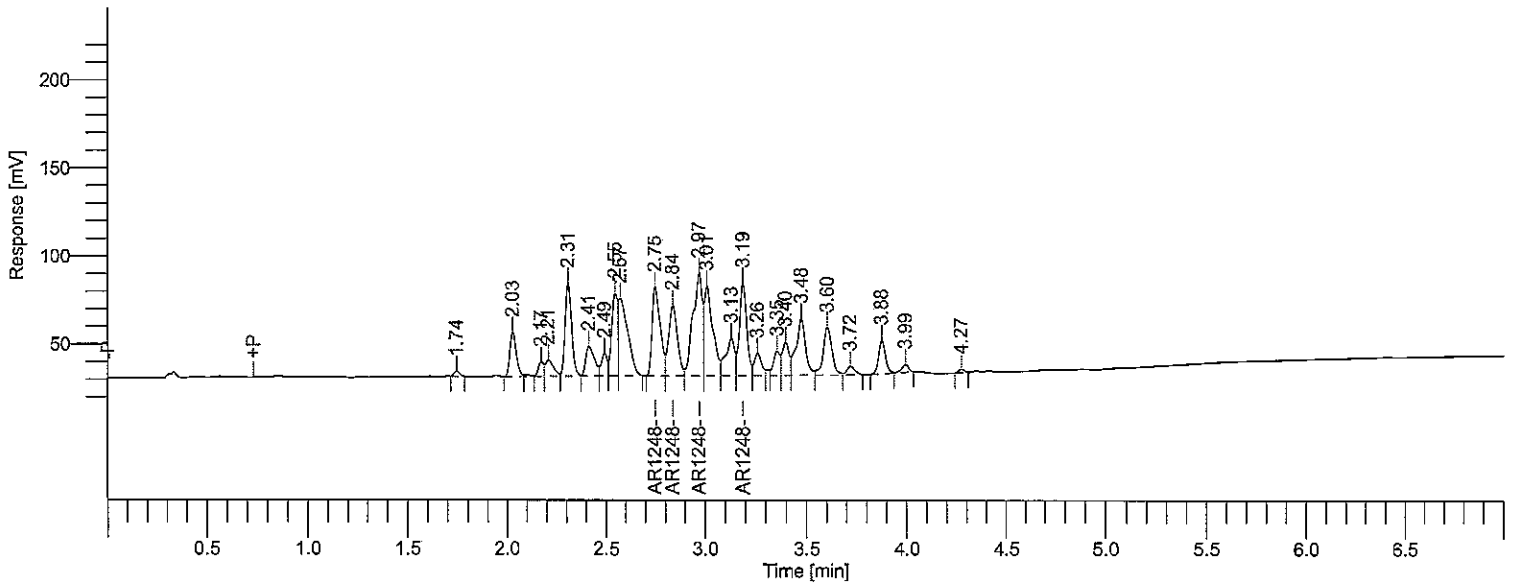
OCT 16 2010

Group Report For : AR1242 (2C)

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.74	VB	68812	AR1242-A (2C)	0.5797	1.1870e+05	1.3762e+05	-3.4
2.03	VE	138883	AR1242-B (2C)	0.5777	2.4041e+05	2.7777e+05	-3.7
2.31	VV	222597	AR1242-C (2C)	0.5918	3.7613e+05	4.4519e+05	-1.4
2.41	VV	101661	AR1242-D (2C)	0.5969	1.7030e+05	2.0332e+05	-0.5
		531954		2.3462		1.0639e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:39
Reprocess Number	: buf23: 12762		
Operator	: tchrom	Sample Name	: Ar1248
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 17:56:34	Cycle	: 7

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89197.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89197.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89197.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89197.rst
Calib Method : h:\turbo6\5890-12\12b-48(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89197.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
10	2.75	BV	144894	AR1248-A (2C)	0.50000	0.12500	4
11	2.84	VV	123239	AR1248-B (2C)	0.50000	0.12500	4
12	2.97	VV	190991	AR1248-C (2C)	0.50000	0.12500	4
15	3.19	VV	128392	AR1248-D (2C)	0.50000	0.12500	4
			587514			0.50000	

Processed by: OCT 16 2010

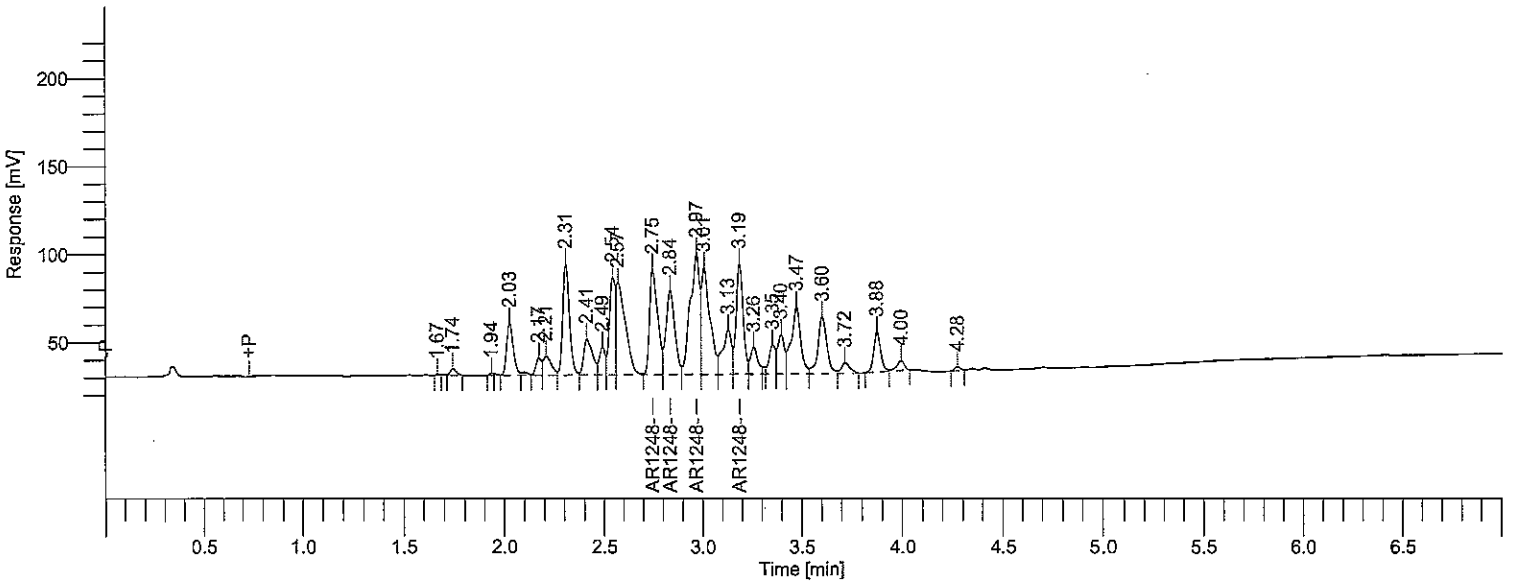
Reviewed by: 10/16/10

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
10	2.75	BV	144894	AR1248-A (2C)	0.50000	0.12500	4
11	2.84	VV	123239	AR1248-B (2C)	0.50000	0.12500	4
12	2.97	VV	190991	AR1248-C (2C)	0.50000	0.12500	4
15	3.19	VV	128392	AR1248-D (2C)	0.50000	0.12500	4
			587514			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:47
Reprocess Number	: buf23: 12764		
Operator	: tchrom	Sample Name	: Ar1248
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 18:11:16	Cycle	: 8

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89198.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89198.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89198.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89198.rst
Calib Method : h:\turbo6\5890-12\12b-48(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89198.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.97		699832	AR1248 (2C)	0.5956	1.1750e+06	1.3997e+06	-0.7
		699832		0.5956		1.3997e+06	

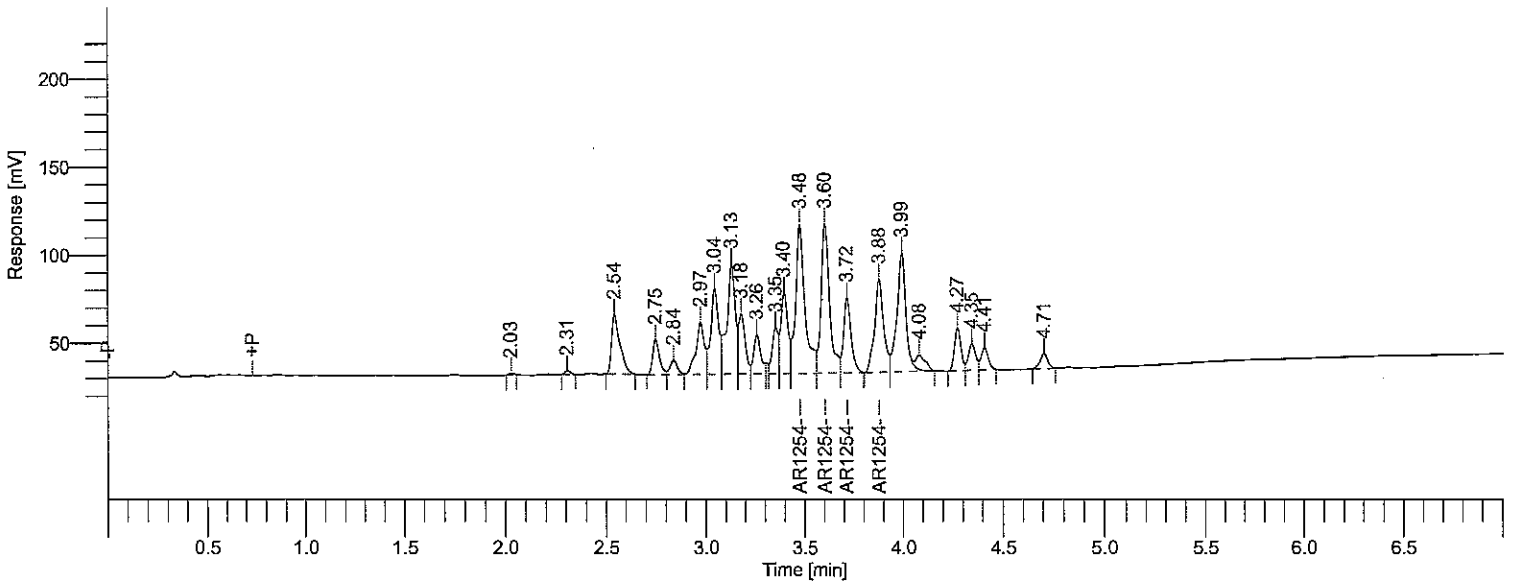
OCT 1 6 2010

Group Report For : AR1248 (2C)

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.75	VV	171959	AR1248-A (2C)	0.5934	2.8979e+05	3.4392e+05	-1.1
2.84	VV	146996	AR1248-B (2C)	0.5964	2.4648e+05	2.9399e+05	-0.6
2.97	VV	227273	AR1248-C (2C)	0.5950	3.8198e+05	4.5455e+05	-0.8
3.19	VV	153604	AR1248-D (2C)	0.5982	2.5678e+05	3.0721e+05	-0.3
		699832		2.3830		1.3997e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:21:56
Reprocess Number	: buf23: 12766		
Operator	: tchrom	Sample Name	: Ar1254
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 18:26:04	Cycle	: 9

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89199.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89199.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89199.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89199.rst
Calib Method : h:\turbo6\5890-12\12b-54(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89199.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
13	3.48	VV	278567	AR1254-A (2C)	0.50000	0.12500	4
14	3.60	VV	253507	AR1254-B (2C)	0.50000	0.12500	4
15	3.72	VB	113946	AR1254-C (2C)	0.50000	0.12500	4
16	3.88	BV	170436	AR1254-D (2C)	0.50000	0.12500	4
			816456			0.50000	

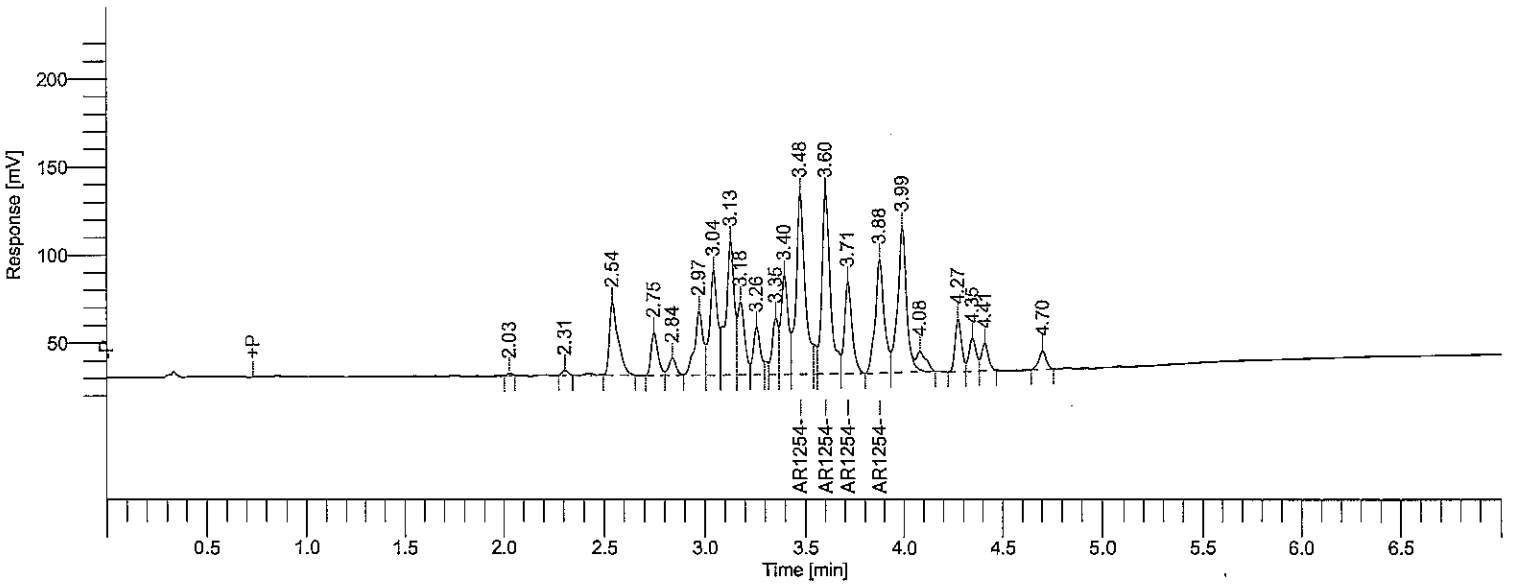
Processed by: OCT 16 2010
Reviewed by: JG 10/16/10

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
13	3.48	VV	278567	AR1254-A (2C)	0.50000	0.12500	4
14	3.60	VV	253507	AR1254-B (2C)	0.50000	0.12500	4
15	3.72	VB	113946	AR1254-C (2C)	0.50000	0.12500	4
16	3.88	BV	170436	AR1254-D (2C)	0.50000	0.12500	4
			816456			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:05
Reprocess Number	: buf23: 12768		
Operator	: tchrom	Sample Name	: Ar1254
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 18:40:47	Cycle	: 10

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89200.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89200.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89200.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89200.rst
Calib Method : h:\turbo6\5890-12\12b-54(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89200.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.48		975891	AR1254 (2C)	0.5976	1.6329e+06	1.9518e+06	-0.4
		975891		0.5976		1.9518e+06	

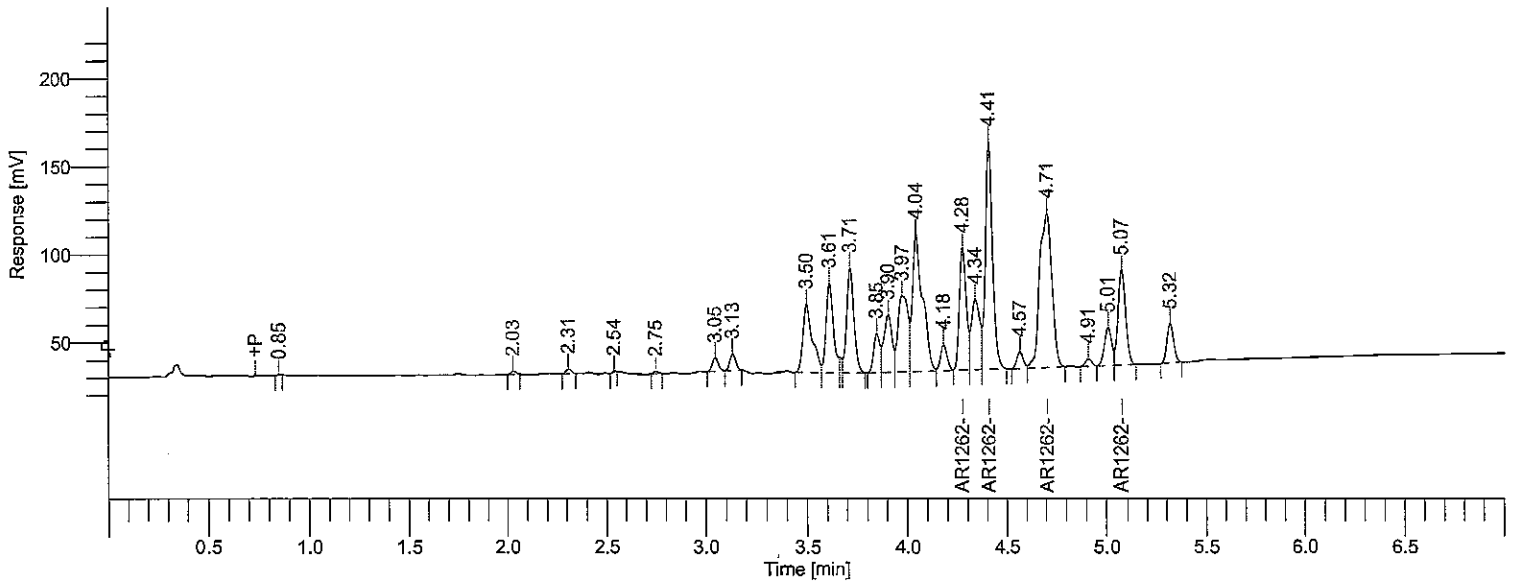
OCT 16 2010

Group Report For : AR1254 (2C)

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.48	VV	319911	AR1254-A (2C)	0.5742	5.5713e+05	6.3982e+05	-4.3
3.60	VV	308239	AR1254-B (2C)	0.6079	5.0701e+05	6.1648e+05	1.3
3.71	VB	139054	AR1254-C (2C)	0.6102	2.2789e+05	2.7811e+05	1.7
3.88	BV	208688	AR1254-D (2C)	0.6122	3.4087e+05	4.1738e+05	2.0
		975891		2.4045		1.9518e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:13
Reprocess Number	: buf23: 12770		
Operator	: tchrom	Sample Name	: Ar1262
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 18:55:32	Cycle	: 11

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89201.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89201.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89201.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89201.rst
Calib Method : h:\turbo6\5890-12\12b-62(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89201.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
16	4.28	VV	164419	AR1262-A (2C)	0.50000	0.12500	4
18	4.41	VB	329567	AR1262-B (2C)	0.50000	0.12500	4
20	4.71	VB	383062	AR1262-C (2C)	0.50000	0.12500	4
23	5.07	VB	134044	AR1262-D (2C)	0.50000	0.12500	4
			1011093			0.50000	

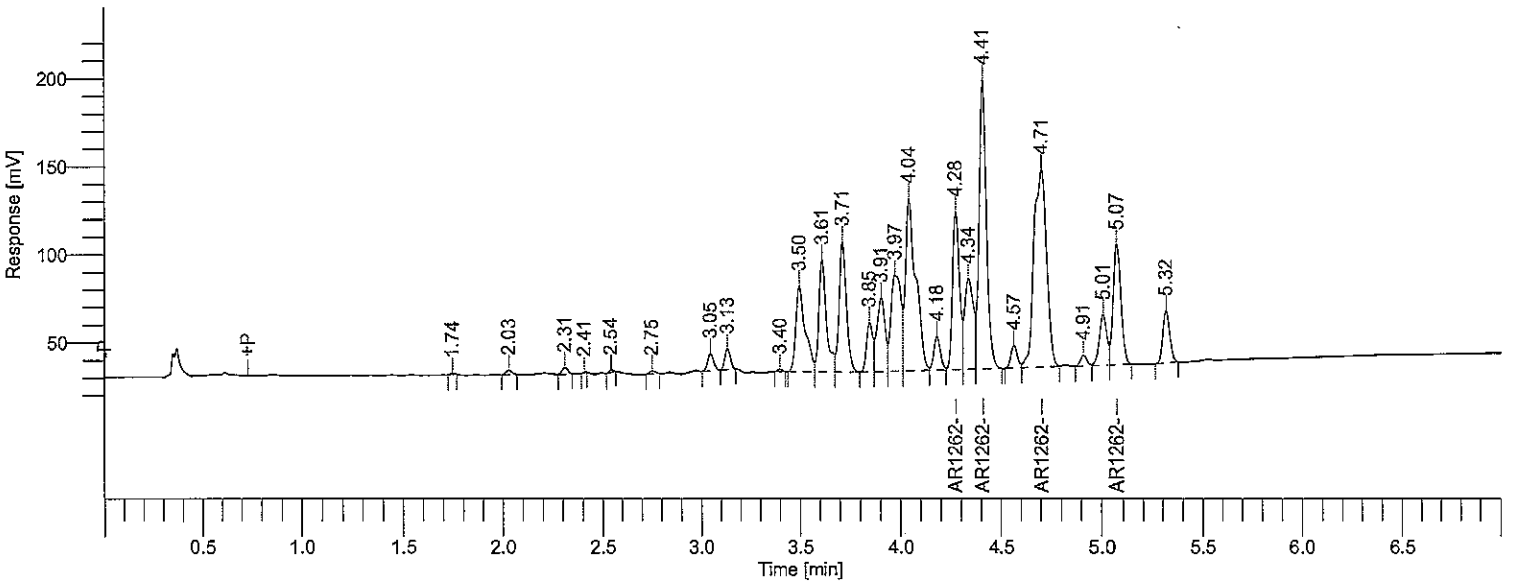
Processed by: OCT 16 2010
Reviewed by:

Group Report For : AR1262 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
16	4.28	VV	164419	AR1262-A (2C)	0.50000	0.12500	4
18	4.41	VB	329567	AR1262-B (2C)	0.50000	0.12500	4
20	4.71	VB	383062	AR1262-C (2C)	0.50000	0.12500	4
23	5.07	VB	134044	AR1262-D (2C)	0.50000	0.12500	4
			1011093			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:20
Reprocess Number	: buf23: 12772		
Operator	: tchrom	Sample Name	: Ar1262
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 19:10:14	Cycle	: 12

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89202.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89202.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89202.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89202.rst
Calib Method : h:\turbo6\5890-12\12b-62(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89202.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
4.41		1294427	AR1262 (2C)	0.6401	2.0222e+06	2.5889e+06	6.7
		1294427		0.6401		2.5889e+06	

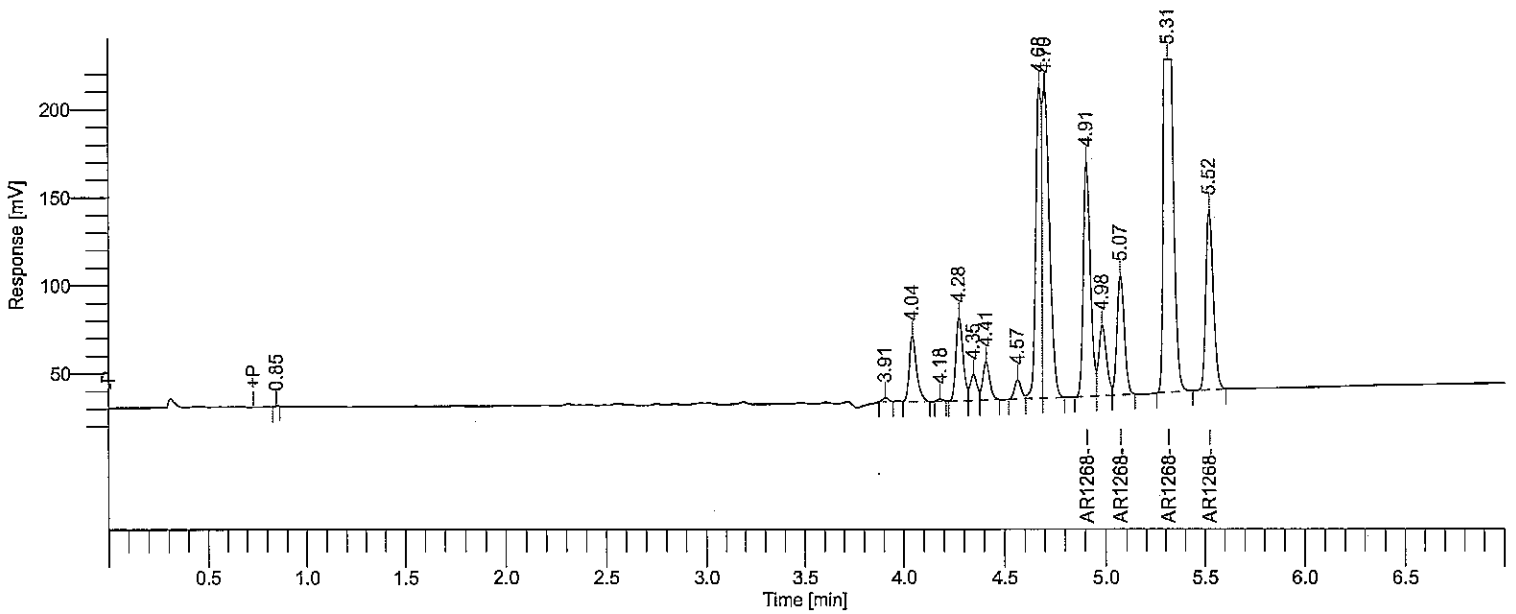
OCT 1 6 2010

Group Report For : AR1262 (2C)

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
4.28	VV	211976	AR1262-A (2C)	0.6446	3.2884e+05	4.2395e+05	7.4
4.41	VB	418175	AR1262-B (2C)	0.6344	6.5913e+05	8.3635e+05	5.7
4.71	VB	492473	AR1262-C (2C)	0.6428	7.6612e+05	9.8495e+05	7.1
5.07	VB	171802	AR1262-D (2C)	0.6408	2.6809e+05	3.4360e+05	6.8
		1294427		2.5627		2.5889e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:28
Reprocess Number	: buf23: 12774		
Operator	: tchrom	Sample Name	: Ar1268
Sample Number	: 0.5	Study	: ICAL
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 19:25:01	Cycle	: 13

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89203.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89203.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89203.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89203.rst
Calib Method : h:\turbo6\5890-12\12b-68(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89203.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
11	4.91	BV	325366	AR1268-A (2C)	0.50000	0.12500	4
13	5.07	VB	163731	AR1268-B (2C)	0.50000	0.12500	4
14	5.31	BV	1003162	AR1268-C (2C)	0.50000	0.12500	4
15	5.52	VB	267892	AR1268-D (2C)	0.50000	0.12500	4
			1760151			0.50000	

Processed by: OCT 16 2010

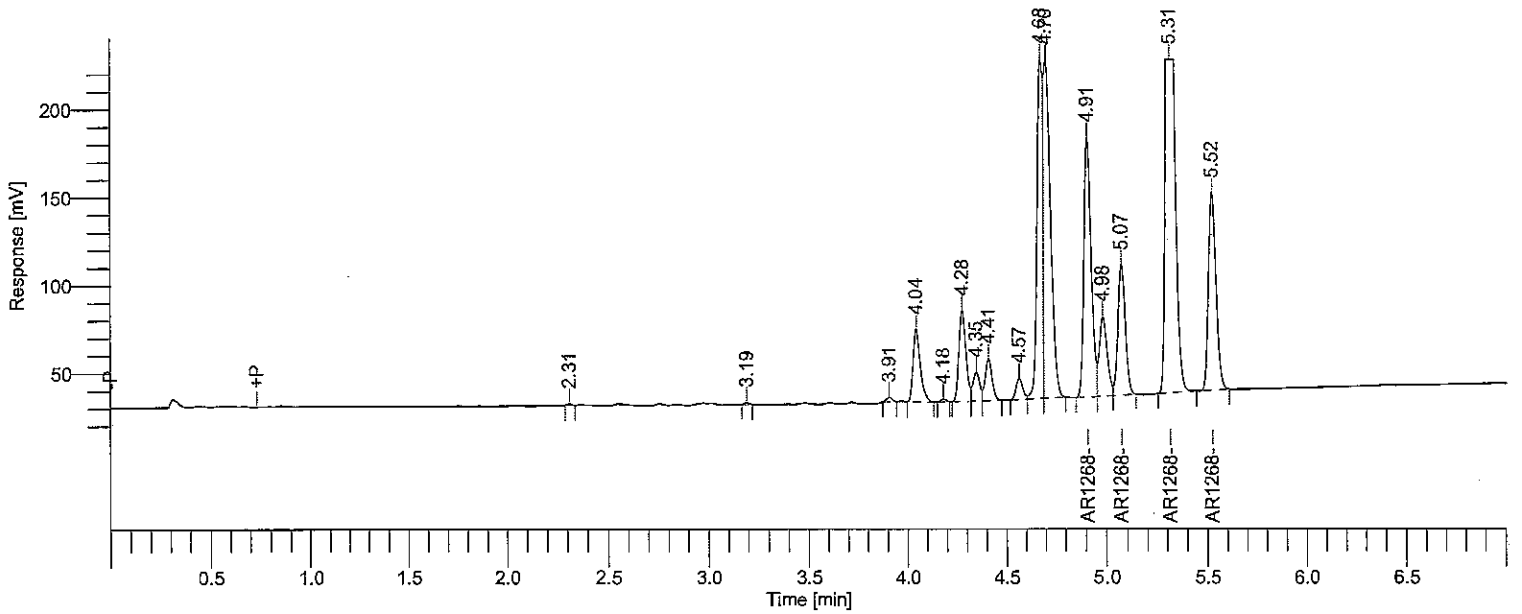
Reviewed by: 10/16/10

Group Report For : AR1268 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
11	4.91	BV	325366	AR1268-A (2C)	0.50000	0.12500	4
13	5.07	VB	163731	AR1268-B (2C)	0.50000	0.12500	4
14	5.31	BV	1003162	AR1268-C (2C)	0.50000	0.12500	4
15	5.52	VB	267892	AR1268-D (2C)	0.50000	0.12500	4
			1760151			0.50000	

Software Version	: 6.2.1.0.104:0104	Date	: 10/17/2010 10:22:34
Reprocess Number	: buf23: 12776		
Operator	: tchrom	Sample Name	: Ar1268
Sample Number	: 0.6	Study	: 2nd Source
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/16/2010 19:39:47	Cycle	: 14

Raw Data File : H:\TURBO6\5890-12\12-Seq89\12B89204.raw <Modified>
Result File : H:\TURBO6\5890-12\12-Seq89\12B89204.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-Seq89\12B89204.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-Seq89\12B89204.rst
Calib Method : h:\turbo6\5890-12\12b-68(10-16-10).mth from H:\TURBO6\5890-12\12-Seq89\12B89204.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12-Seq89\12-Sqe89.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
5.31		1943365	AR1268 (2C)	0.5520	3.5203e+06	3.8867e+06	-8.0
		1943365		0.5520		3.8867e+06	

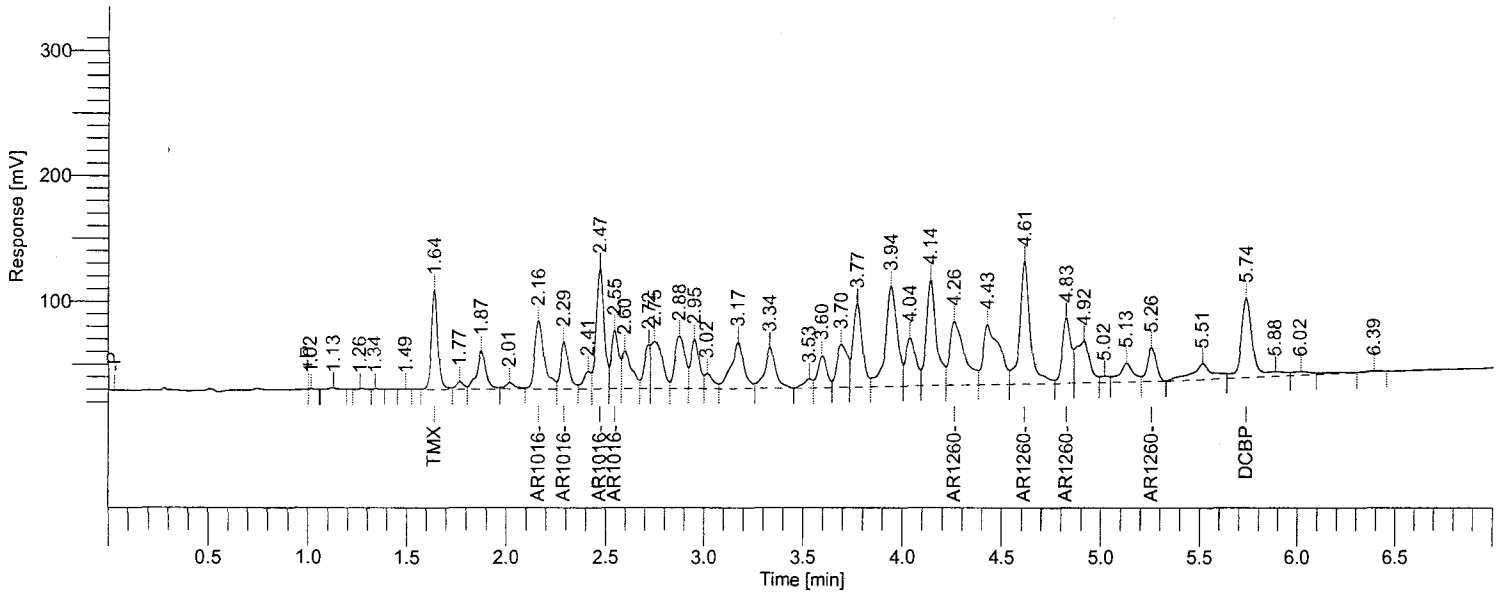
OCT 1 6 2010

Group Report For : AR1268 (2C)

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
4.91	BV	368409	AR1268-A (2C)	0.5661	6.5073e+05	7.3682e+05	-5.6
5.07	VB	179993	AR1268-B (2C)	0.5497	3.2746e+05	3.5999e+05	-8.4
5.31	BV	1099932	AR1268-C (2C)	0.5482	2.0063e+06	2.1999e+06	-8.6
5.52	VB	295031	AR1268-D (2C)	0.5507	5.3578e+05	5.9006e+05	-8.2
		1943365		2.2147		3.8867e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 15:21:19
Reprocess Number	: buf2049: 116375		
Operator	: tchrom	Sample Name	: RT14294-CCV3
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 14:34:54	Cycle	: 24

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96154.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96154-20101208-152118.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96154.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96154-20101208-152118.rst
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96154-20101208-152118.rst
Report Format File: h:\turbo6\5890-12\12%d.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.64	VV	179125	TMX	0.03375	5306928	358250	12.5	1.57 - 1.71
2.47		676631	AR1016	0.58026	1166091	1353262	16.1	2.40 - 2.54
4.61		868511	AR1260	0.49900	1740493	1737021	-0.2	4.54 - 4.68
5.74	VE	242671	DCBP	0.03282	7393363	485342	9.4	5.67 - 5.81
		1966937		1.14583		3933875		

Group Report For : AR1016

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
2.16	VV	185630	AR1016-A	0.56973	325824	371260	13.9	2.09 - 2.23
2.29	VV	104701	AR1016-B	0.60323	173567	209403	20.6	2.22 - 2.36
2.47	VV	266126	AR1016-C	0.58267	456733	532252	16.5	2.40 - 2.54
2.55	VV	120174	AR1016-D	0.57234	209968	240347	14.5	2.48 - 2.62
		676631		2.32798		1353262		

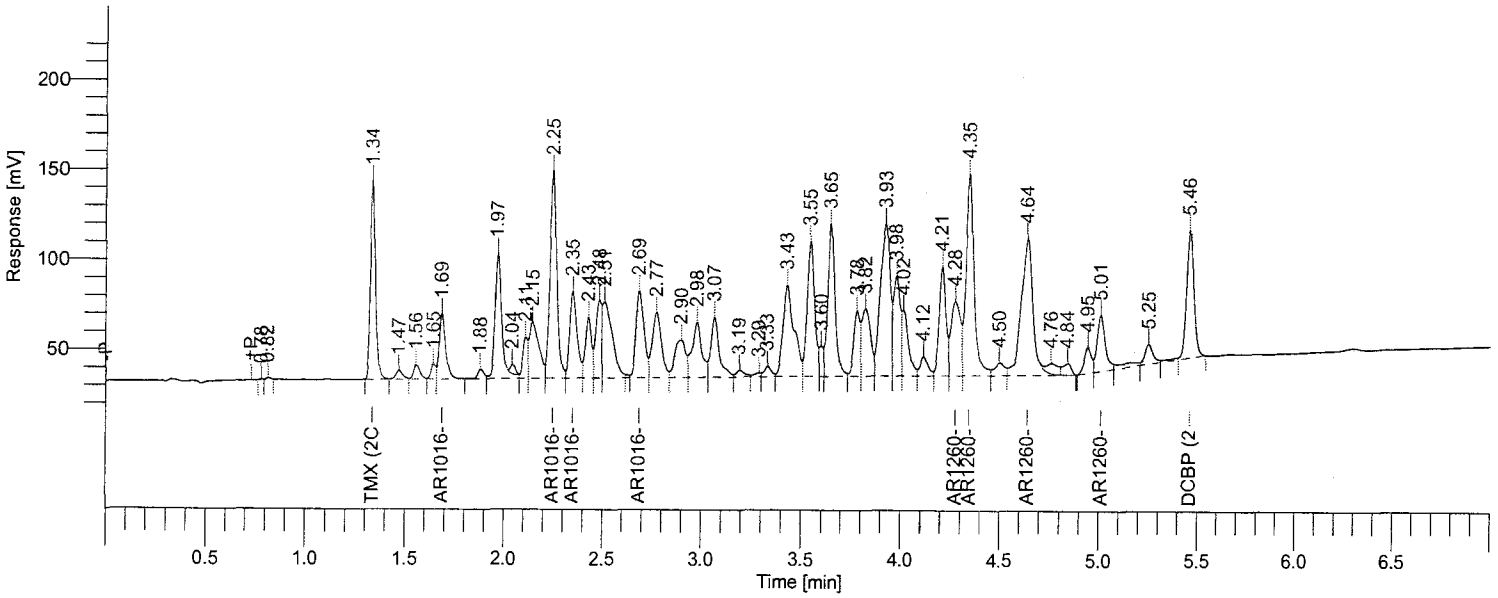
DEC 0 8 2010

Group Report For : AR1260

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
4.26	VV	263794	AR1260-A	0.53134	496469	527588	6.3	4.19 - 4.33
4.61	VV	363016	AR1260-B	0.50819	714335	726032	1.6	4.54 - 4.68
4.83	VV	157069	AR1260-C	0.50847	308903	314137	1.7	4.76 - 4.90
5.26	VB	84631	AR1260-D	0.38332	220786	169263	-23.3	5.19 - 5.33
		868511		1.93132		1737021		

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 15:21:21
Reprocess Number	: buf2049: 116376		
Operator	: tchrom	Sample Name	: RT14294-CCV3
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 14:34:54	Cycle	: 24

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96154.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96154-20101208-152121.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96154.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96154-20101208-152121.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96154-20101208-152121.rst
Report Format File: h:\turbo6\5890-12\12%d.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.34	BV	194266	TMX (2C)	0.03517	5524184	388532	17.2	1.27 - 1.41
2.25		617869	AR1016 (2C)	0.59824	1032805	1235738	19.6	2.18 - 2.32
4.35		853450	AR1260 (2C)	0.48628	1755057	1706900	-2.7	4.28 - 4.42
5.46	VB	186792	DCBP (2C)	0.02717	6875740	373585	-9.4	5.39 - 5.53
		1852378		1.14686		3704755		

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Group Report For : AR1016 (2C)

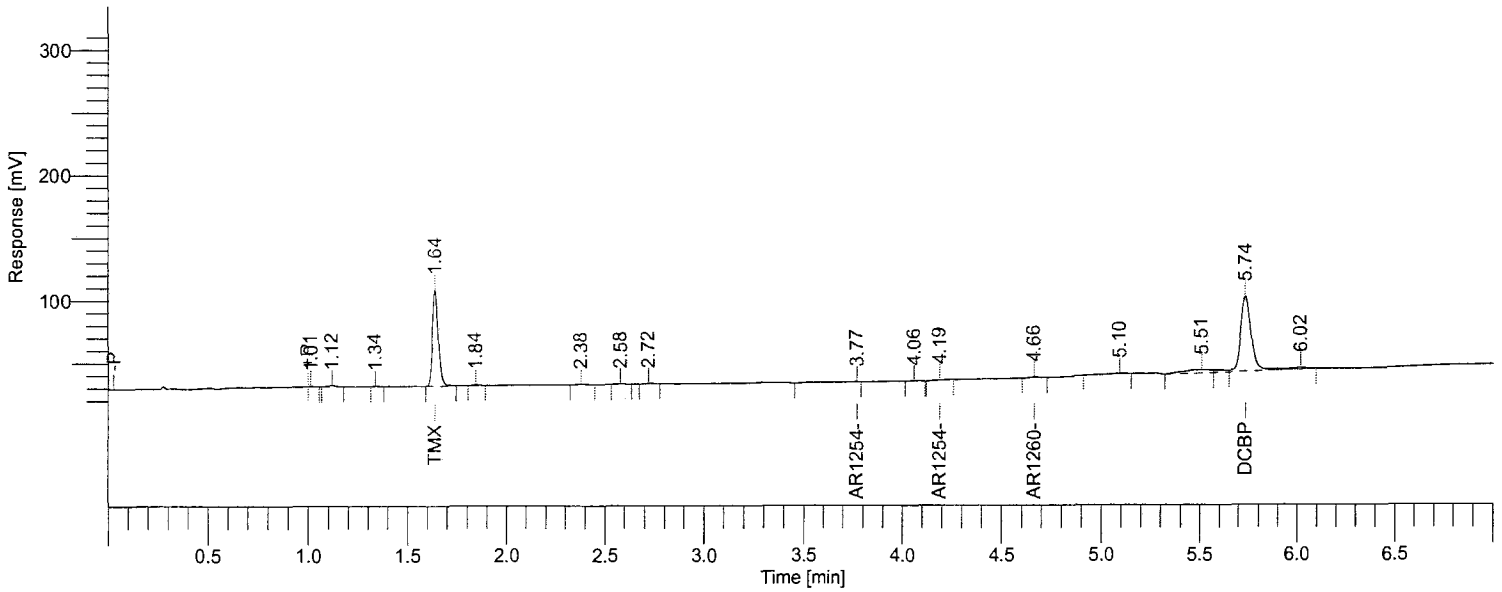
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.69	VV	81422	AR1016-A (2C)	0.62051	131219	162844	24.1	1.62 - 1.76
2.25	VV	272917	AR1016-B (2C)	0.59292	460297	545835	18.6	2.18 - 2.32
2.35	VV	125893	AR1016-C (2C)	0.64738	194466	251785	29.5	2.28 - 2.42
2.69	VV	137637	AR1016-D (2C)	0.55763	246823	275274	11.5	2.62 - 2.76
		617869		2.41843		1235738		

Group Report For : AR1260 (2C)

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
4.28	VV	136071	AR1260-A (2C)	0.44957	302668	272141	-10.1	4.21 - 4.35
4.35	VV	315377	AR1260-B (2C)	0.48657	648168	630754	-2.7	4.28 - 4.42
4.64	VE	313170	AR1260-C (2C)	0.50611	618778	626341	1.2	4.57 - 4.71
5.01	VV	88832	AR1260-D (2C)	0.47903	185443	177664	-4.2	4.94 - 5.08
		853450		1.92127		1706900		

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 15:21:23
Reprocess Number	: buf2049: 116377		
Operator	: tchrom	Sample Name	: RT14608-IBLK1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 14:49:38	Cycle	: 25

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96155.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96155-20101208-152123.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96155.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96155-20101208-152123.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96155-20101208-152123.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.64	BV	163678	TMX	0.03084	———	0
9	3.77	BB	5611	AR1254-B	0.01169	0.00292	4
11	4.19	BB	1858	AR1254-D	0.00398	9.95e-04	4
12	4.66	BB	2734	AR1260-B	0.00383	9.57e-04	4
15	5.74	VE	205752	DCBP	0.02783	———	0
			379633			0.00488	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.91		0	AR1242-A	0.00000	———	-
-	2.20		0	AR1242-B	0.00000	———	-
-	2.33		0	AR1242-C	0.00000	———	-
-	2.51		0	AR1242-D	0.00000	———	-
			0			0.00000	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.91		0	AR1248-A	0.00000	———	-
-	2.99		0	AR1248-B	0.00000	———	-
-	3.20		0	AR1248-C	0.00000	———	-
-	3.33		0	AR1248-D	0.00000	———	-
			0			0.00000	

12/08/10 15:21:23 Result: H:\TURBO6\5890-12\12-seq96\12a96155-20101208-152123.rst

Group Report For : AR1254

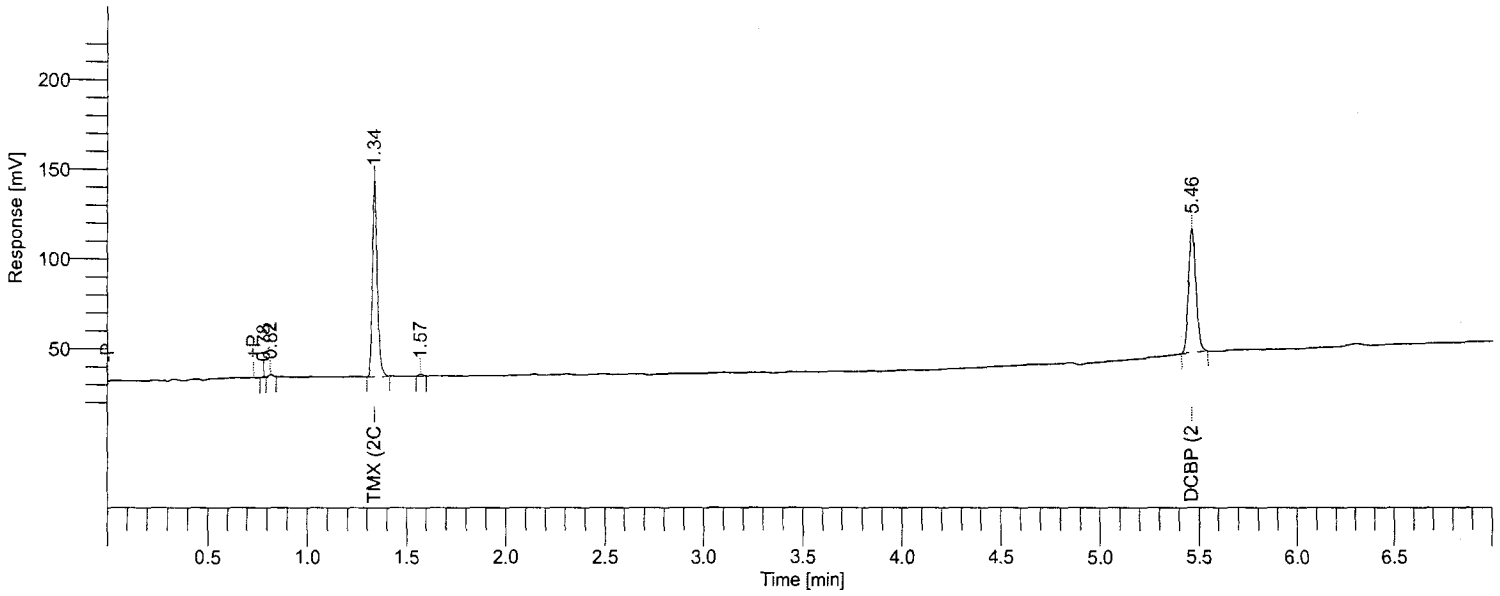
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.64		0	AR1254-A	0.00000	------	-
9	3.77	BB	5611	AR1254-B	0.01169	0.00292	4
-	4.01		0	AR1254-C	0.00000	------	-
11	4.19	BB	1858	AR1254-D	0.00398	9.95e-04	4
			7469			0.00392	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.29		0	AR1260-A	0.00000	------	-
12	4.66	BB	2734	AR1260-B	0.00383	9.57e-04	4
-	4.86		0	AR1260-C	0.00000	------	-
-	5.29		0	AR1260-D	0.00000	------	-
			2734			9.57e-04	

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 15:21:25
Reprocess Number	: buf2049: 116378		
Operator	: tchrom	Sample Name	: RT14608-IBLK1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 14:49:38	Cycle	: 25

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96155.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96155-20101208-152125.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96155.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96155-20101208-152125.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96155-20101208-152125.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	BB	190660	TMX (2C)	0.03451	——	0
5	5.46	BB	177761	DCBP (2C)	0.02585	——	0
			368421			0.00000	

Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	——	-
-	2.00		0	AR1242-B (2C)	0.00000	——	-
-	2.28		0	AR1242-C (2C)	0.00000	——	-
-	2.39		0	AR1242-D (2C)	0.00000	——	-
			0			0.00000	

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Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	——	-
-	2.81		0	AR1248-B (2C)	0.00000	——	-
-	2.94		0	AR1248-C (2C)	0.00000	——	-
-	3.16		0	AR1248-D (2C)	0.00000	——	-
			0			0.00000	

12/08/10 15:21:25 Result: H:\TURBO6\5890-12\12-seq96\12B96155-20101208-152125.rst

Group Report For : AR1254 (2C)

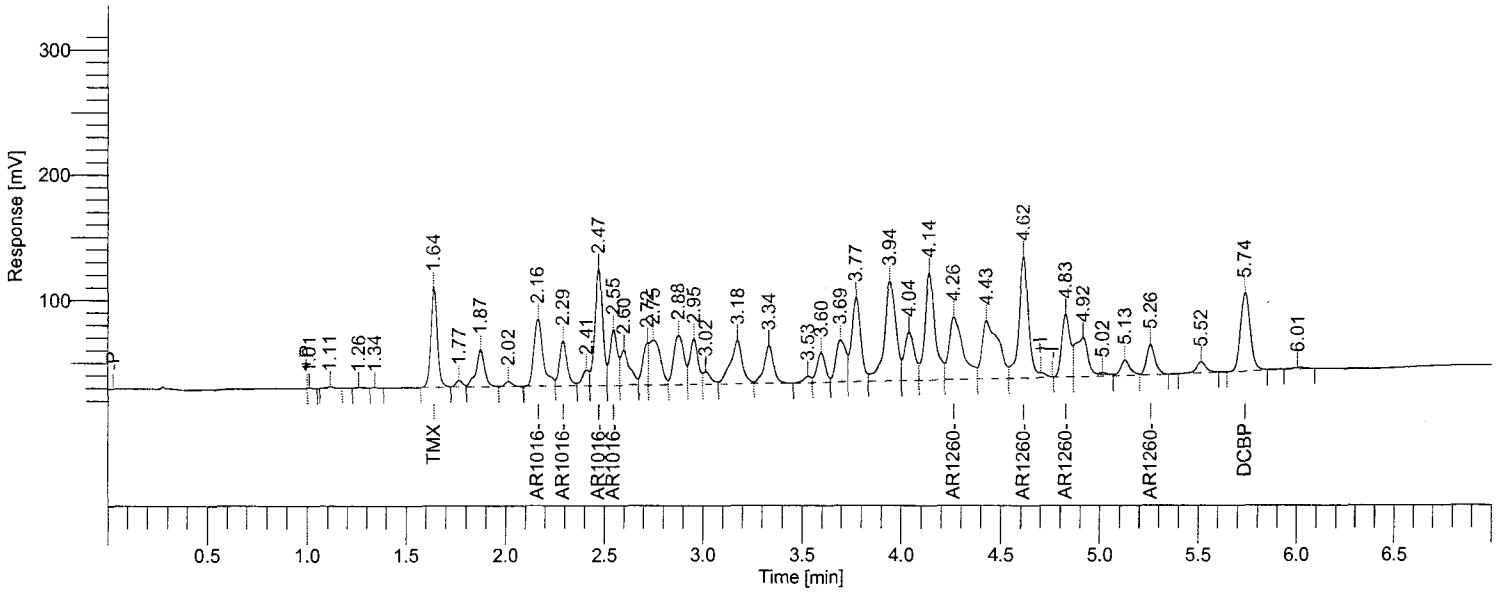
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.45		0	AR1254-A (2C)	0.00000	-------	-
-	3.58		0	AR1254-B (2C)	0.00000	-------	-
-	3.69		0	AR1254-C (2C)	0.00000	-------	-
-	3.85		0	AR1254-D (2C)	0.00000	-------	-
			0			0.00000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.25		0	AR1260-A (2C)	0.00000	-------	-
-	4.38		0	AR1260-B (2C)	0.00000	-------	-
-	4.67		0	AR1260-C (2C)	0.00000	-------	-
-	5.04		0	AR1260-D (2C)	0.00000	-------	-
			0			0.00000	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:35:11
Operator	: tchrom	Sample Name	: RT14294-CCV4
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 17:32:06	Cycle	: 11

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96166.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96166-20101209-052206.rst [Editing in Progress]
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96166.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96166-20101209-052206.rst [Editing in Progress]
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96166-20101209-052206.rst [Editing in Progress]
Report Format File: h:\turbo6\5890-12\12%d.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.64	BV	176254	TMX	0.03321	5306928	352507	10.7	1.57 - 1.71
2.47		642351	AR1016	0.55086	1166091	1284702	10.2	2.40 - 2.54
4.62		802814	AR1260	0.46126	1740493	1605627	-7.7	4.55 - 4.69
5.74	VV	215054	DCBP	0.02909	7393363	430108	-3.0	5.67 - 5.81
		1836472		1.07441		3672945		

Group Report For : AR1016

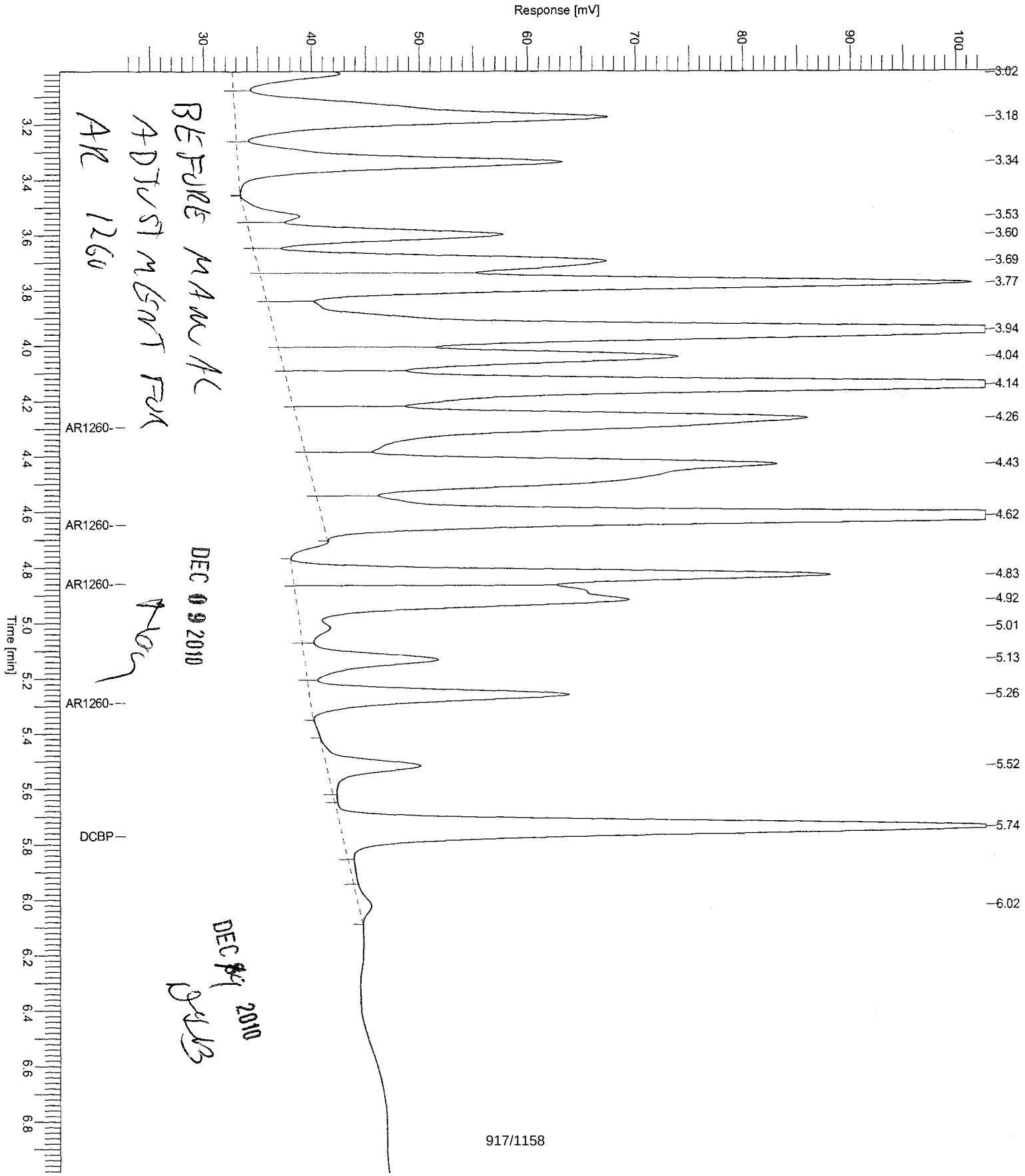
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
2.16	BV	175022	AR1016-A	0.53717	325824	350044	7.4	2.09 - 2.23
2.29	VV	95930	AR1016-B	0.55270	173567	191860	10.5	2.22 - 2.36
2.47	VV	257569	AR1016-C	0.56394	456733	515137	12.8	2.40 - 2.54
2.55	VV	113831	AR1016-D	0.54213	209968	227661	8.4	2.48 - 2.62
		642351		2.19594		1284702		

Group Report For : AR1260

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
4.26	VV	249565	AR1260-A	0.50268	496469	499130	0.5	4.19 - 4.33
4.62	*VV	332495	AR1260-B	0.46546	714335	664990	-6.9	4.55 - 4.69
4.83	VV	147922	AR1260-C	0.47886	308903	295845	-4.2	4.76 - 4.90
5.26	VB	72832	AR1260-D	0.32987	220786	145663	-34.0	5.19 - 5.33
		802814		1.77688		1605627		

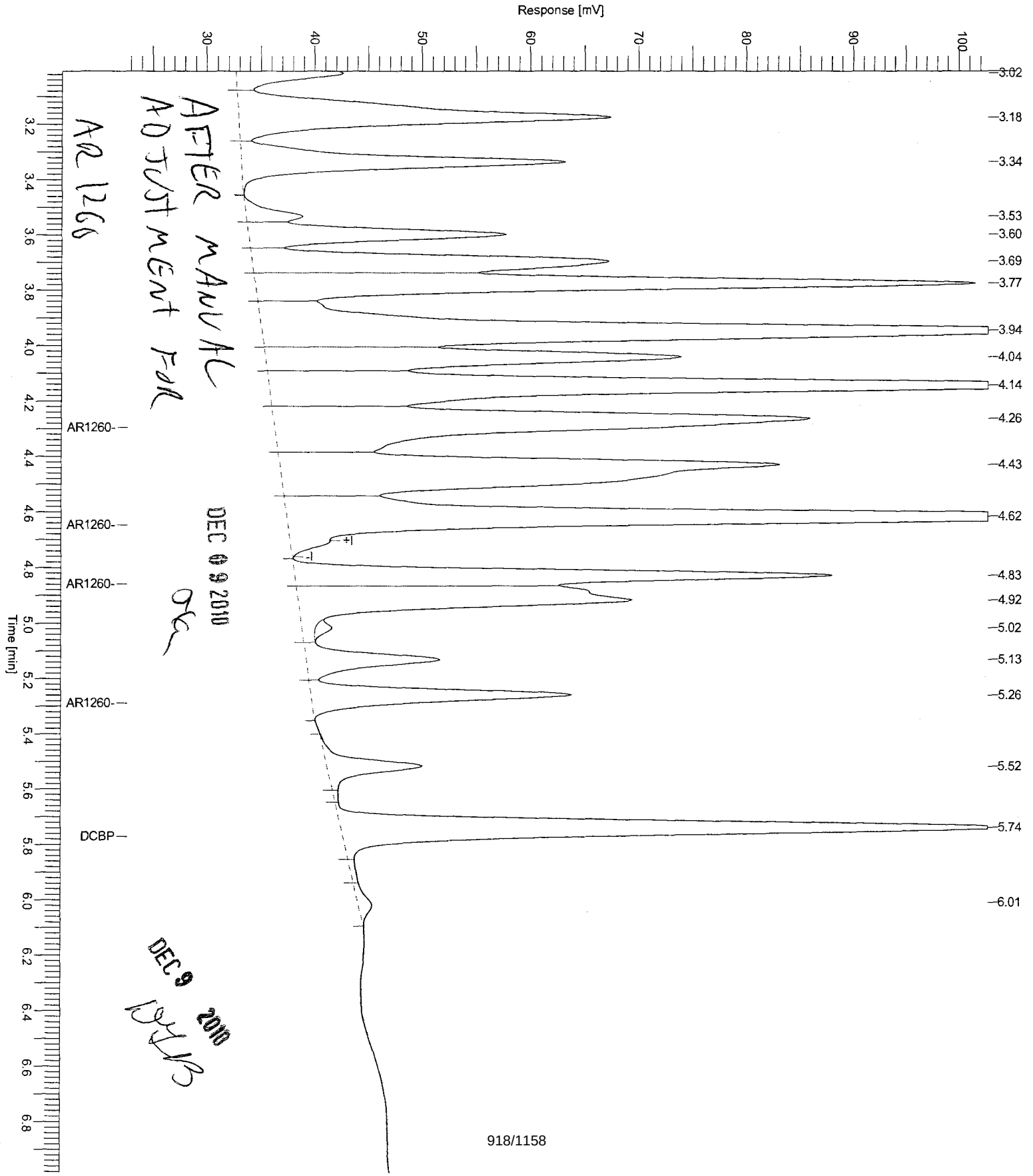
Chromatogram

Sample Name : RT14294-CCV4 Sample #: Page 1 of 1
FileName : H:\TURBO6\5890-12\12-seq96\12a96166.raw
Date : 12/09/10 05:35:27
Method :
Time of Injection: 12/08/10 17:32:06
Start Time : 3.01 min End Time : 6.98 min Low Point : 22.74 mV High Point : 102.74 mV
Plot Offset: 22.74 mV Plot Scale: 80.0 mV



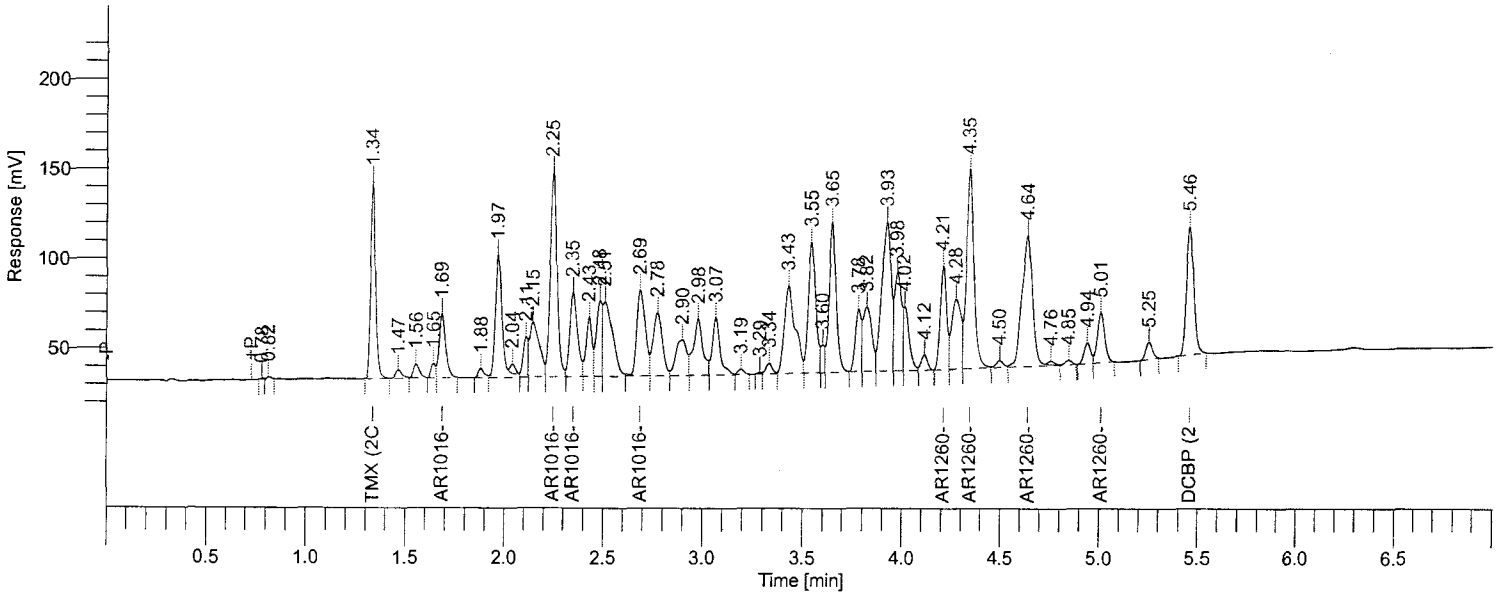
Chromatogram

Sample Name : RT14294-CCV4 Sample #: Page 1 of 1
FileName : H:\TURBO6\5890-12\12-seq96\12a96166.raw
Date : 12/09/10 05:35:14
Method : Time of Injection: 12/08/10 17:32:06
Start Time : 3.01 min End Time : 6.98 min Low Point : 22.74 mV High Point : 102.74 mV
Plot Offset: 22.74 mV Plot Scale: 80.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:22:14
Reprocess Number	: buf2049: 116400		
Operator	: tchrom	Sample Name	: RT14294-CCV4
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 17:32:06	Cycle	: 11

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96166.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96166-20101209-052211.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96166.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96166-20101209-052211.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96166-20101209-052211.rst
Report Format File: h:\turbo6\5890-12\12%d.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.34	BV	194496	TMX (2C)	0.03521	5524184	388993	17.4	1.27 - 1.41
2.25		614915	AR1016 (2C)	0.59538	1032805	1229830	19.1	2.18 - 2.32
4.35		775847	AR1260 (2C)	0.44206	1755057	1551694	-11.6	4.28 - 4.42
5.46	BB	186099	DCBP (2C)	0.02707	6875740	372197	-9.8	5.39 - 5.53
		1771357		1.09972		3542714		

Group Report For : AR1016 (2C)

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.69	VB	79006	AR1016-A (2C)	0.60209	131219	158012	20.4	1.62 - 1.76
2.25	VV	269632	AR1016-B (2C)	0.58578	460297	539264	17.2	2.18 - 2.32
2.35	VV	122004	AR1016-C (2C)	0.62738	194466	244007	25.5	2.28 - 2.42
2.69	VV	144273	AR1016-D (2C)	0.58452	246823	288547	16.9	2.62 - 2.76
		614915		2.39977		1229830		

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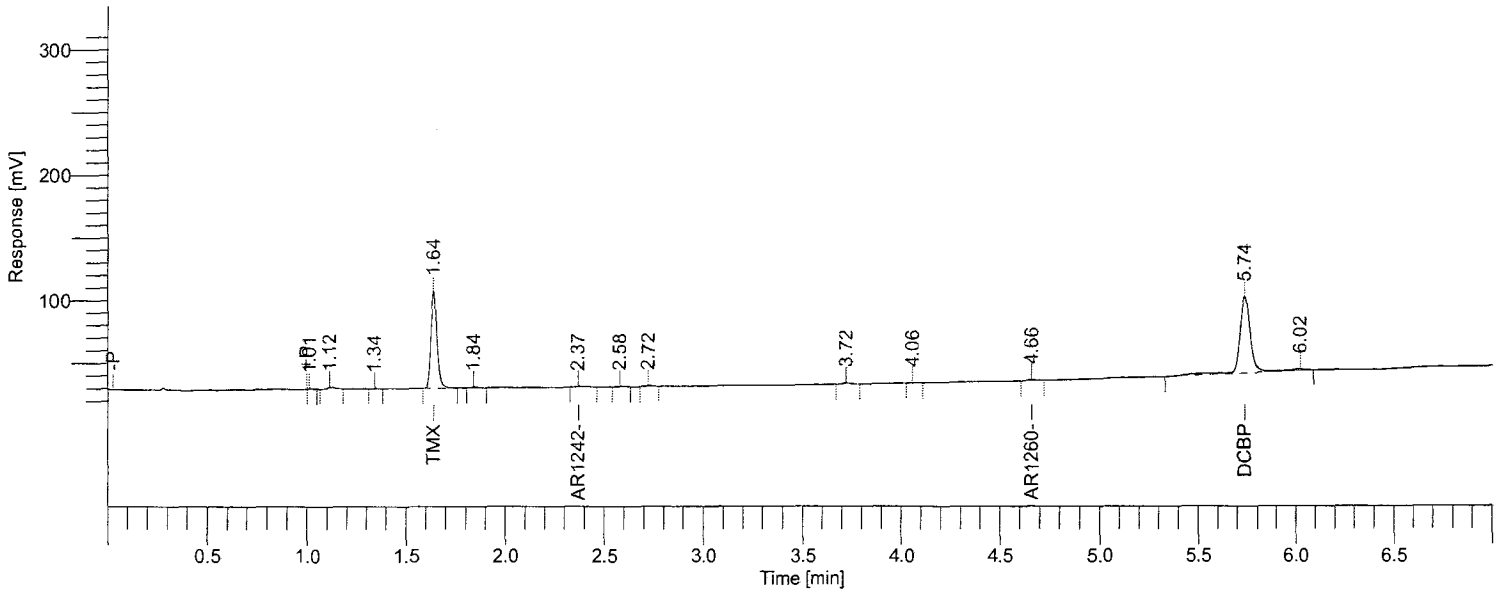
~~DEC 09~~ 2010

Group Report For : AR1260 (2C)

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
4.21	BV	136061	AR1260-A (2C)	0.44954	302668	272122	-10.1	4.14 - 4.28
4.35	VV	295313	AR1260-B (2C)	0.45561	648168	590626	-8.9	4.28 - 4.42
4.64	VE	273407	AR1260-C (2C)	0.44185	618778	546814	-11.6	4.57 - 4.71
5.01	VB	71066	AR1260-D (2C)	0.38322	185443	142132	-23.4	4.94 - 5.08
		775847		1.73022		1551694		

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:22:20
Reprocess Number	: buf2049: 116401		
Operator	: tchrom	Sample Name	: RT14608-IBLK1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 17:46:53	Cycle	: 12

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96167.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96167-20101209-052216.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96167.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96167-20101209-052216.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96167-20101209-052216.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.64	BV	164209	TMX	0.03094	———	0
6	2.37	BB	2184	AR1242-C	0.01536	0.00384	4
11	4.66	BB	1632	AR1260-B	0.00228	5.71e-04	4
12	5.74	BE	225317	DCBP	0.03048	———	0
			393341			0.00441	

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.91		0	AR1242-A	0.00000	———	-
-	2.20		0	AR1242-B	0.00000	———	-
6	2.37	BB	2184	AR1242-C	0.01536	0.00384	4
-	2.51		0	AR1242-D	0.00000	———	-
			2184			0.00384	

DEC 09 2010

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.91		0	AR1248-A	0.00000	———	-
-	2.99		0	AR1248-B	0.00000	———	-
-	3.20		0	AR1248-C	0.00000	———	-
-	3.33		0	AR1248-D	0.00000	———	-
			0			0.00000	

12/09/10 05:22:20 Result: H:\TURBO6\5890-12\12-seq96\12a96167-20101209-052216.rst

Group Report For : AR1254

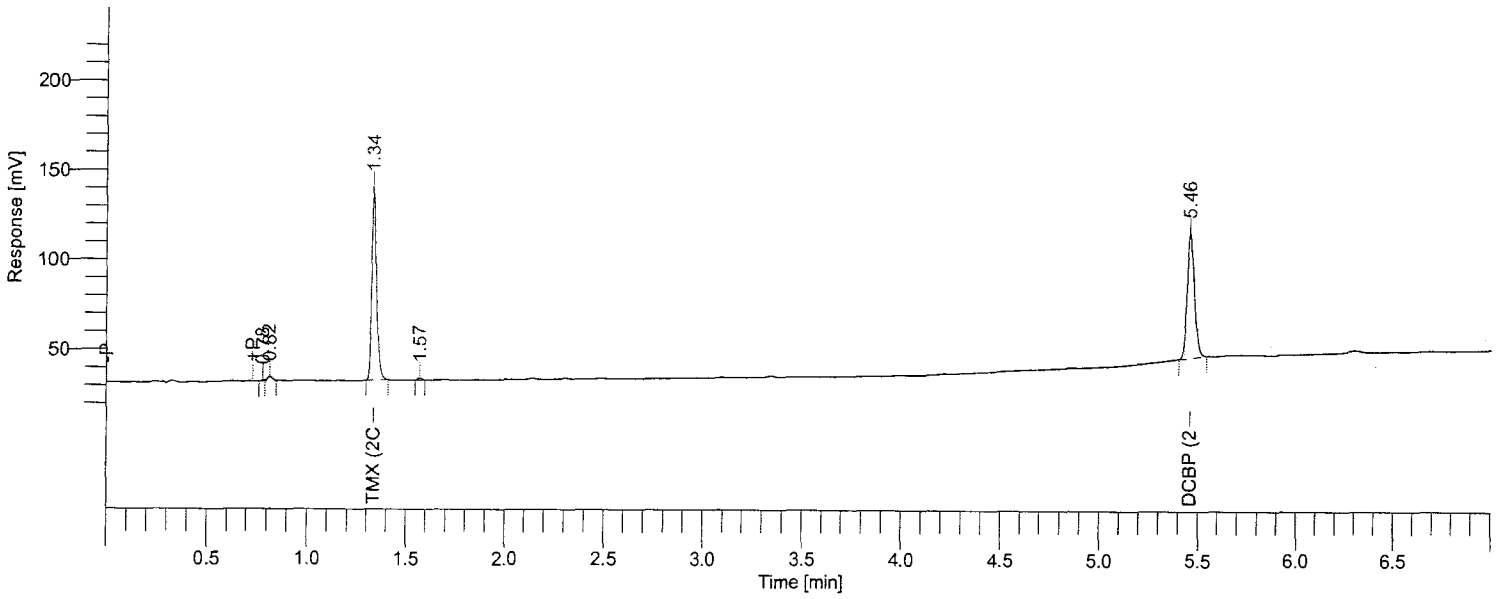
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.64		0	AR1254-A	0.00000	———	-
-	3.82		0	AR1254-B	0.00000	———	-
-	4.01		0	AR1254-C	0.00000	———	-
-	4.18		0	AR1254-D	0.00000	———	-
			0			0.00000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.29		0	AR1260-A	0.00000	———	-
11	4.66	BB	1632	AR1260-B	0.00228	5.71e-04	4
-	4.86		0	AR1260-C	0.00000	———	-
-	5.29		0	AR1260-D	0.00000	———	-
			1632			5.71e-04	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:22:27
Reprocess Number	: buf2049: 116402		
Operator	: tchrom	Sample Name	: RT14608-IBLK1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 17:46:53	Cycle	: 12

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96167.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96167-20101209-052222.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96167.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96167-20101209-052222.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96167-20101209-052222.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	BB	189136	TMX (2C)	0.03424	———	0
5	5.46	BB	180691	DCBP (2C)	0.02628	———	0
			369827			0.00000	

Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	———	-
-	2.00		0	AR1242-B (2C)	0.00000	———	-
-	2.28		0	AR1242-C (2C)	0.00000	———	-
-	2.39		0	AR1242-D (2C)	0.00000	———	-
			0			0.00000	

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Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	———	-
-	2.81		0	AR1248-B (2C)	0.00000	———	-
-	2.94		0	AR1248-C (2C)	0.00000	———	-
-	3.16		0	AR1248-D (2C)	0.00000	———	-
			0			0.00000	

12/09/10 05:22:27 Result: H:\TURBO6\5890-12\12-seq96\12B96167-20101209-052222.rst

Group Report For : AR1254 (2C)

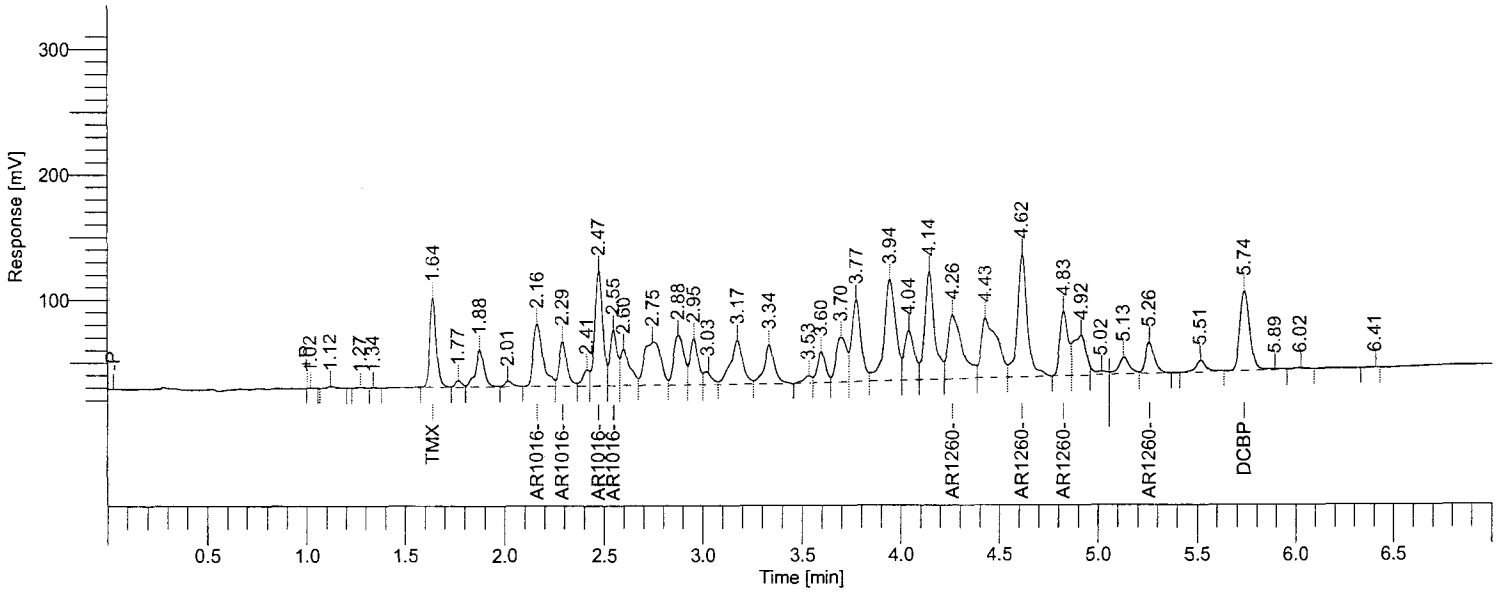
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.45		0	AR1254-A (2C)	0.00000	------	-
-	3.58		0	AR1254-B (2C)	0.00000	------	-
-	3.69		0	AR1254-C (2C)	0.00000	------	-
-	3.85		0	AR1254-D (2C)	0.00000	------	-
			0			0.00000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	------	-
-	4.38		0	AR1260-B (2C)	0.00000	------	-
-	4.67		0	AR1260-C (2C)	0.00000	------	-
-	5.04		0	AR1260-D (2C)	0.00000	------	-
			0			0.00000	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 15:34:45
Reprocess Number	: buf2049: 116745		
Operator	: tchrom	Sample Name	: RT14294-CCV5
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 19:44:57	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96175.raw <Modified>
Result File : H:\TURBO6\5890-12\12-seq96\12a96175-20101209-153444.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96175.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96175-20101209-153444.rst
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96175-20101209-153444.rst
Report Format File: h:\turbo6\5890-12\12%d.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.64	VV	164660	TMX	0.03103	5306928	329319	3.4	1.57 - 1.71
2.47		638626	AR1016	0.54766	1166091	1277253	9.5	2.40 - 2.54
4.62		832114	AR1260	0.47809	1740493	1664228	-4.4	4.55 - 4.69
5.74	VE	219619	DCBP	0.02970	7393363	439237	-1.0	5.67 - 5.81
		1855018		1.08649		3710037		

12.9.10

Group Report For : AR1016

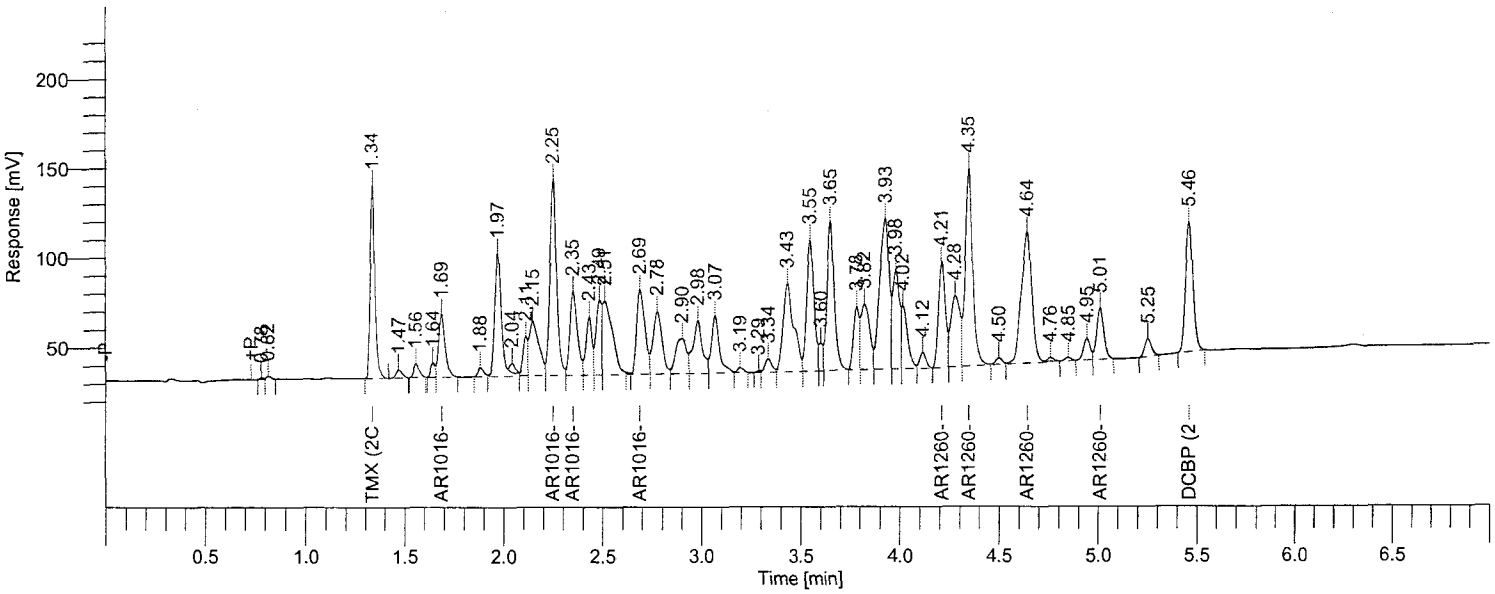
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
2.16	VV	170028	AR1016-A	0.52184	325824	340055	4.4	2.09 - 2.23
2.29	VV	96965	AR1016-B	0.55866	173567	193931	11.7	2.22 - 2.36
2.47	VV	256739	AR1016-C	0.56212	456733	513478	12.4	2.40 - 2.54
2.55	VV	114894	AR1016-D	0.54720	209968	229789	9.4	2.48 - 2.62
		638626		2.18982		1277253		

Group Report For : AR1260

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
4.26	VV	258306	AR1260-A	0.52029	496469	516611	4.1	4.19 - 4.33
4.62	VV	344350	AR1260-B	0.48206	714335	688699	-3.6	4.55 - 4.69
4.83	VV	152379	AR1260-C	0.49329	308903	304758	-1.3	4.76 - 4.90
5.26	VB	77080	AR1260-D	0.34912	220786	154160	-30.2	5.19 - 5.33
		832114		1.84475		1664228		

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 15:34:47
Reprocess Number	: buf2049: 116746		
Operator	: tchrom	Sample Name	: RT14294-CCV5
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 19:44:57	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96175.raw <Modified>
Result File : H:\TURBO6\5890-12\12-seq96\12B96175-20101209-153446.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96175.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96175-20101209-153446.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96175-20101209-153446.rst
Report Format File: h:\turbo6\5890-12\12%d.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.34	BV	189176	TMX (2C)	0.03424	5524184	378351	14.1	1.27 - 1.41
2.25		596166	AR1016 (2C)	0.57723	1032805	1192332	15.4	2.18 - 2.32
4.35		773903	AR1260 (2C)	0.44096	1755057	1547807	-11.8	4.28 - 4.42
5.46	VB	188271	DCBP (2C)	0.02738	6875740	376543	-8.7	5.39 - 5.53
		1747516		1.07981		3495032		

12.9.10 Ken

Group Report For : AR1016 (2C)

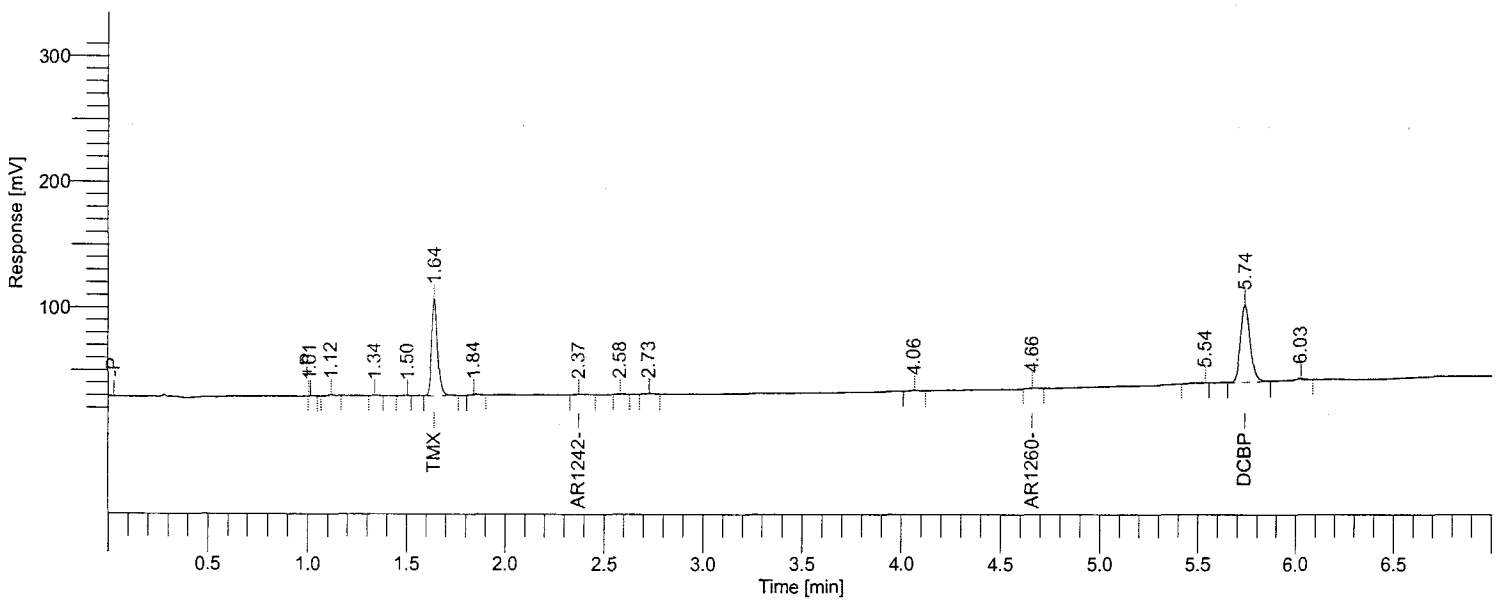
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.69	VB	77683	AR1016-A (2C)	0.59202	131219	155367	18.4	1.62 - 1.76
2.25	VV	259203	AR1016-B (2C)	0.56312	460297	518407	12.6	2.18 - 2.32
2.35	VV	121444	AR1016-C (2C)	0.62450	194466	242888	24.9	2.28 - 2.42
2.69	VV	137835	AR1016-D (2C)	0.55844	246823	275670	11.7	2.62 - 2.76
		596166		2.33807		1192332		

Group Report For : AR1260 (2C)

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
4.21	BV	138620	AR1260-A (2C)	0.45800	302668	277241	-8.4	4.14 - 4.28
4.35	VV	293715	AR1260-B (2C)	0.45315	648168	587431	-9.4	4.28 - 4.42
4.64	VE	269593	AR1260-C (2C)	0.43569	618778	539185	-12.9	4.57 - 4.71
5.01	VB	71975	AR1260-D (2C)	0.38813	185443	143950	-22.4	4.94 - 5.08
		773903		1.73495		1547807		

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 15:34:54
Reprocess Number	: buf2049: 116747		
Operator	: tchrom	Sample Name	: RT14608-IBLK1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 19:59:40	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96176.raw <Modified>
Result File : H:\TURBO6\5890-12\12-seq96\12a96176-20101209-153452.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96176.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96176-20101209-153452.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96176-20101209-153452.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.64	VV	165485	TMX	0.03118	———	0
7	2.37	BB	2139	AR1242-C	0.01505	0.00376	4
11	4.66	BB	1501	AR1260-B	0.00210	5.25e-04	4
13	5.74	VV	213931	DCBP	0.02894	———	0
			383056			0.00429	

12.2.0 tq

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.91		0	AR1242-A	0.00000	———	-
-	2.20		0	AR1242-B	0.00000	———	-
7	2.37	BB	2139	AR1242-C	0.01505	0.00376	4
-	2.51		0	AR1242-D	0.00000	———	-
			2139			0.00376	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.91		0	AR1248-A	0.00000	———	-
-	2.99		0	AR1248-B	0.00000	———	-
-	3.20		0	AR1248-C	0.00000	———	-
-	3.33		0	AR1248-D	0.00000	———	-
			0			0.00000	

12/09/10 15:34:54 Result: H:\TURBO6\5890-12\12-seq96\12a96176-20101209-153452.rst

Group Report For : AR1254

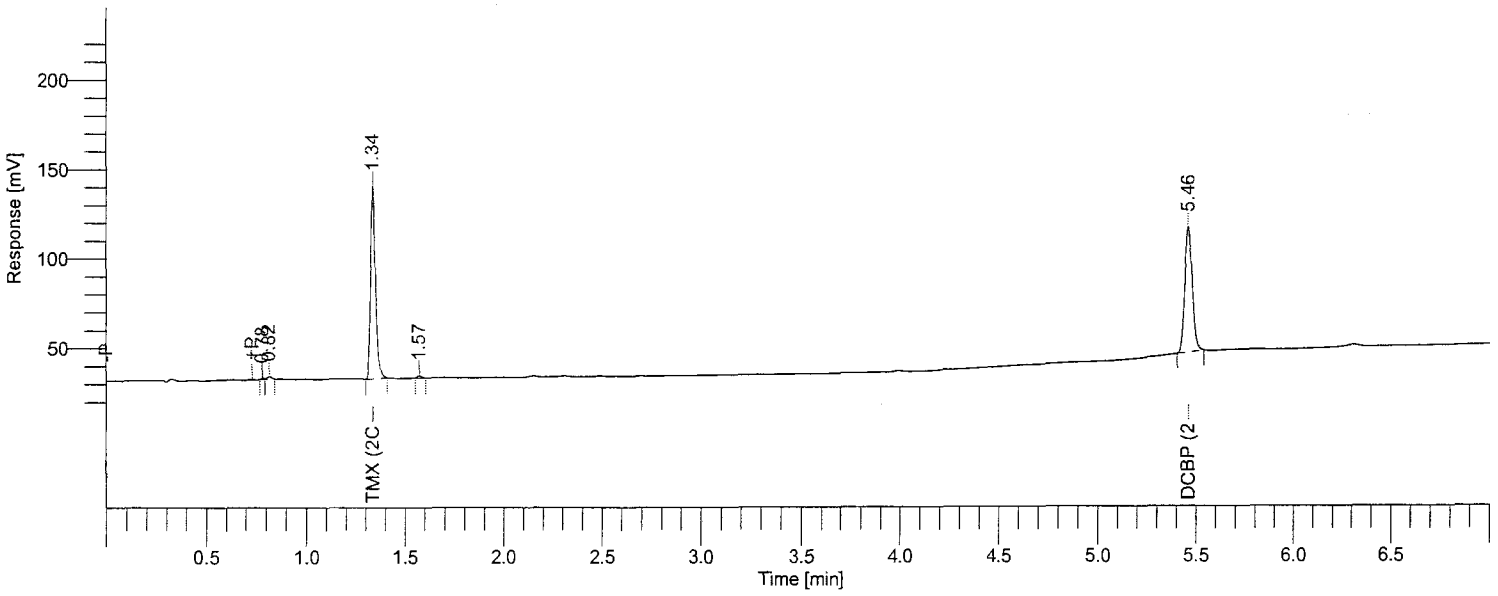
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.64		0	AR1254-A	0.00000	-------	-
-	3.82		0	AR1254-B	0.00000	-------	-
-	4.01		0	AR1254-C	0.00000	-------	-
-	4.18		0	AR1254-D	0.00000	-------	-
			0			0.00000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.29		0	AR1260-A	0.00000	-------	-
11	4.66	BB	1501	AR1260-B	0.00210	5.25e-04	4
-	4.86		0	AR1260-C	0.00000	-------	-
-	5.29		0	AR1260-D	0.00000	-------	-
			1501			5.25e-04	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 15:35:01
Reprocess Number	: buf2049: 116748		
Operator	: tchrom	Sample Name	: RT14608-IBLK1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 19:59:40	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96176.raw <Modified>
Result File : H:\TURBO6\5890-12\12-seq96\12B96176-20101209-153459.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96176.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96176-20101209-153459.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96176-20101209-153459.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	BB	189366	TMX (2C)	0.03428	———	0
5	5.46	BB	182252	DCBP (2C)	0.02651	———	0
			371618			0.00000	

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Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	———	-
-	2.00		0	AR1242-B (2C)	0.00000	———	-
-	2.28		0	AR1242-C (2C)	0.00000	———	-
-	2.39		0	AR1242-D (2C)	0.00000	———	-
			0			0.00000	

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	———	-
-	2.81		0	AR1248-B (2C)	0.00000	———	-
-	2.94		0	AR1248-C (2C)	0.00000	———	-
-	3.16		0	AR1248-D (2C)	0.00000	———	-
			0			0.00000	

12/09/10 15:35:01 Result: H:\TURBO6\5890-12\12-seq96\12B96176-20101209-153459.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.45		0	AR1254-A (2C)	0.00000	———	-
-	3.58		0	AR1254-B (2C)	0.00000	———	-
-	3.69		0	AR1254-C (2C)	0.00000	———	-
-	3.85		0	AR1254-D (2C)	0.00000	———	-
			0			0.00000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	———	-
-	4.38		0	AR1260-B (2C)	0.00000	———	-
-	4.67		0	AR1260-C (2C)	0.00000	———	-
-	5.04		0	AR1260-D (2C)	0.00000	———	-
			0			0.00000	

Form 1
ORGANIC ANALYSIS DATA SHEET
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Blank (1)

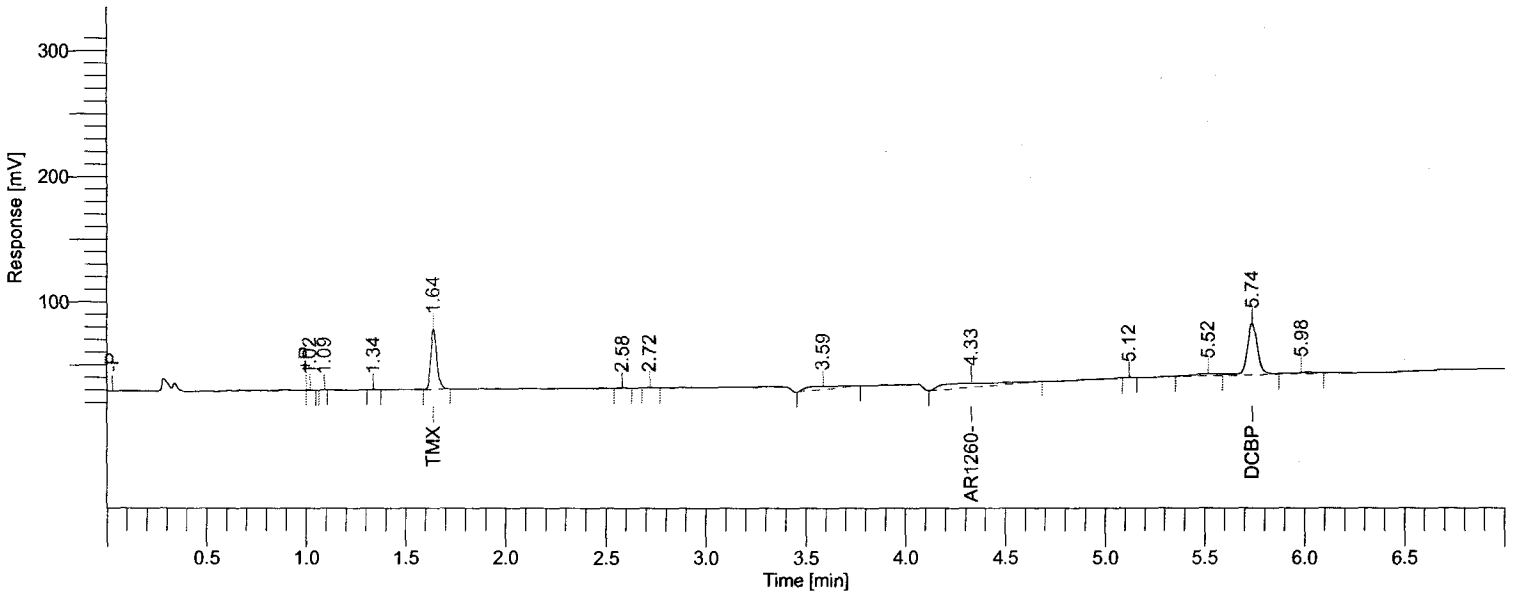
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0498-BLK1	File ID:	12A96156
Sampled:		Prepared:	12/07/10 12:00	Analyzed:	12/08/10 15:04
Solids:		Preparation:	3550B GC	Initial/Final:	30.6 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	16	UC
11104-28-2	Aroclor 1221	1	16	U
11141-16-5	Aroclor 1232	1	16	U
53469-21-9	Aroclor 1242	1	16	U
12672-29-6	Aroclor 1248	1	16	U
11097-69-1	Aroclor 1254	1	16	U
11096-82-5	Aroclor 1260	1	16	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	6.54	6.44	98	34 - 148	
Tetrachloro-m-xylene	6.54	6.17	94	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:19:52
Reprocess Number	: buf2049: 116379		
Operator	: tchrom	Sample Name	: 10L0498-BLK1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 15:04:25	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96156.raw <Modified>
Result File : H:\TURBO6\5890-12\12-seq96\12a96156-20101209-051945.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96156.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96156-20101209-051945.rst
Calib Method : h:\turbo6\5890-12\12a 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96156-20101209-051945.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
4	1.64	BB	100135	TMX	0.01887	——	0
8	4.33	BB	75265	AR1260-A	0.15160	0.03790	4
11	5.74	VV	145649	DCBP	0.01970	——	0
			321049			0.03790	

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Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.91		0	AR1242-A	0.00000	——	-
-	2.20		0	AR1242-B	0.00000	——	-
-	2.33		0	AR1242-C	0.00000	——	-
-	2.51		0	AR1242-D	0.00000	——	-
			0			0.00000	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.91		0	AR1248-A	0.00000	——	-
-	2.99		0	AR1248-B	0.00000	——	-
-	3.20		0	AR1248-C	0.00000	——	-
-	3.33		0	AR1248-D	0.00000	——	-
			0			0.00000	

12/09/10 05:19:52 Result: H:\TURBO6\5890-12\12-seq96\12a96156-2010\209-051945.rst

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.64		0	AR1254-A	0.00000	———	-
-	3.82		0	AR1254-B	0.00000	———	-
-	4.01		0	AR1254-C	0.00000	———	-
-	4.18		0	AR1254-D	0.00000	———	-
			0			0.00000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
8	4.33	BB	75265	AR1260-A	0.15160	0.03790	4
-	4.65		0	AR1260-B	0.00000	———	-
-	4.86		0	AR1260-C	0.00000	———	-
-	5.29		0	AR1260-D	0.00000	———	-
			75265			0.03790	

Form 1

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Blank (2)

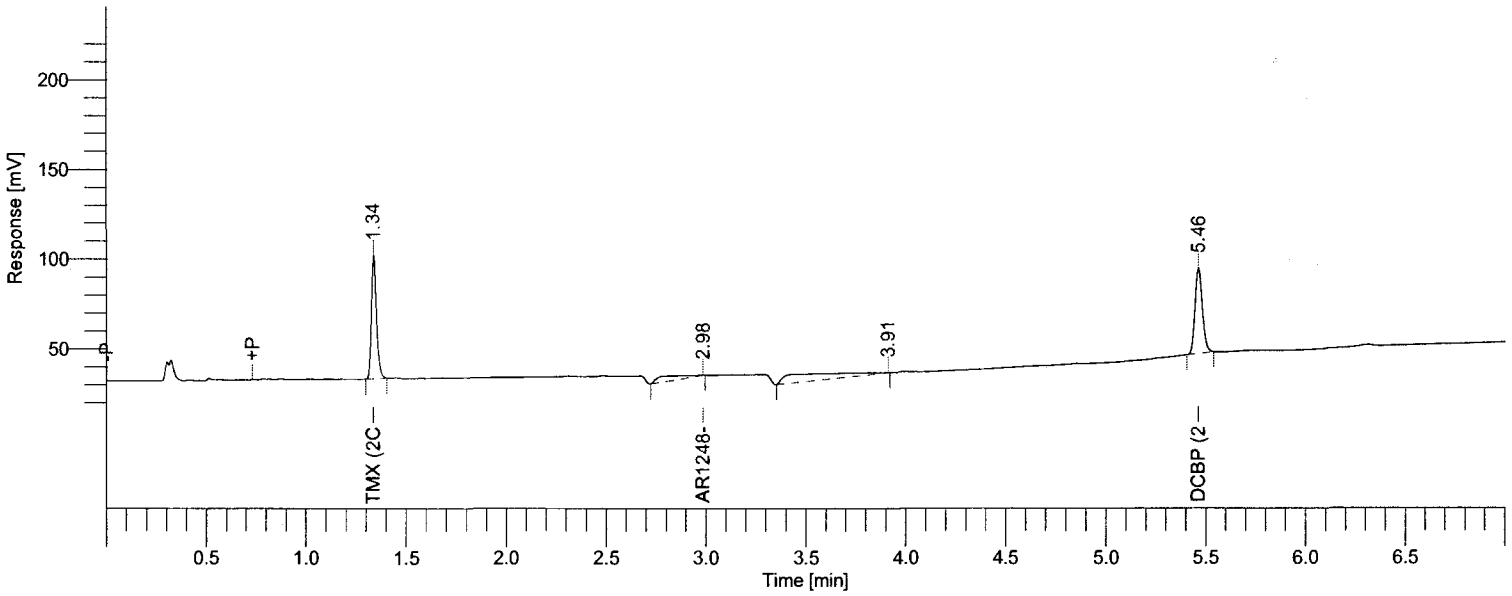
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0498-BLK1	File ID:	12B96156
Sampled:		Prepared:	12/07/10 12:00	Analyzed:	12/08/10 15:04
Solids:		Preparation:	3550B GC	Initial/Final:	30.6 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	16	UC
11104-28-2	Aroclor 1221 [2C]	1	16	U
11141-16-5	Aroclor 1232 [2C]	1	16	U
53469-21-9	Aroclor 1242 [2C]	1	16	U
12672-29-6	Aroclor 1248 [2C]	1	16	U
11097-69-1	Aroclor 1254 [2C]	1	16	U
11096-82-5	Aroclor 1260 [2C]	1	16	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	6.54	5.78	88	34 - 148	
Tetrachloro-m-xylene [2C]	6.54	7.11	109	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:19:59
Reprocess Number	: buf2049: 116380		
Operator	: tchrom	Sample Name	: 10L0498-BLK1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 15:04:25	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96156.raw <Modified>
Result File : H:\TURBO6\5890-12\12-seq96\12B96156-20101209-051954.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96156.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96156-20101209-051954.rst
Calib Method : h:\turbo6\5890-12\12b 4pcb(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96156-20101209-051954.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.34	BB	120259	TMX (2C)	0.02177	———	0
2	2.98	BB	27340	AR1248-C (2C)	0.07157	0.01789	4
4	5.46	BB	121638	DCBP (2C)	0.01769	———	0
			269237			0.01789	

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Group Report For : AR1242 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	1.72		0	AR1242-A (2C)	0.00000	———	-
-	2.00		0	AR1242-B (2C)	0.00000	———	-
-	2.28		0	AR1242-C (2C)	0.00000	———	-
-	2.39		0	AR1242-D (2C)	0.00000	———	-
			0			0.00000	

Group Report For : AR1248 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	2.72		0	AR1248-A (2C)	0.00000	———	-
-	2.81		0	AR1248-B (2C)	0.00000	———	-
2	2.98	BB	27340	AR1248-C (2C)	0.07157	0.01789	4
-	3.16		0	AR1248-D (2C)	0.00000	———	-
			27340			0.01789	

12/09/10 05:19:59 Result: H:\TURBO6\5890-12\12-seq96\12B96156-20101209-051954.rst

Group Report For : AR1254 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	3.45		0	AR1254-A (2C)	0.00000	----	-
-	3.58		0	AR1254-B (2C)	0.00000	----	-
-	3.69		0	AR1254-C (2C)	0.00000	----	-
-	3.85		0	AR1254-D (2C)	0.00000	----	-
			0			0.00000	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
-	4.21		0	AR1260-A (2C)	0.00000	----	-
-	4.38		0	AR1260-B (2C)	0.00000	----	-
-	4.67		0	AR1260-C (2C)	0.00000	----	-
-	5.04		0	AR1260-D (2C)	0.00000	----	-
			0			0.00000	

Form 1
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LCS (1)

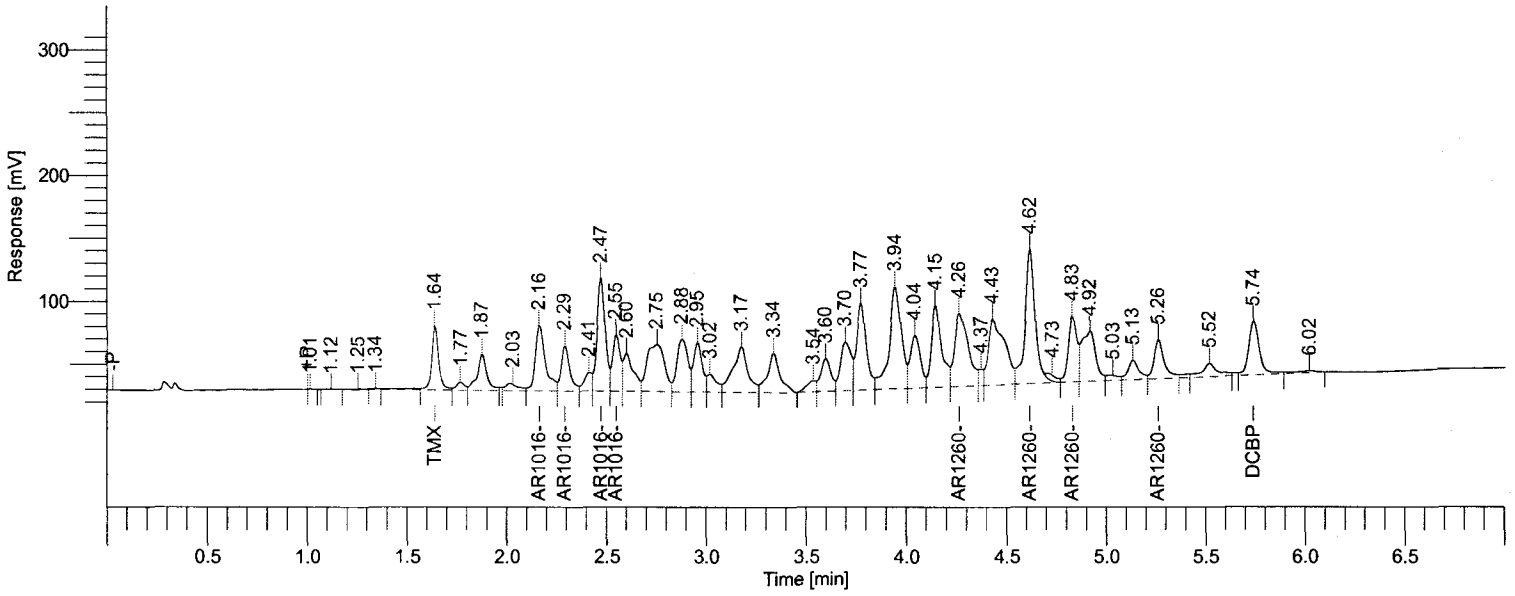
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0498-BS1	File ID:	12a96157
Sampled:		Prepared:	12/07/10 12:00	Analyzed:	12/08/10 15:19
Solids:		Preparation:	3550B GC	Initial/Final:	30.86 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	187	C
11104-28-2	Aroclor 1221	1	16	U
11141-16-5	Aroclor 1232	1	16	U
53469-21-9	Aroclor 1242	1	16	U
12672-29-6	Aroclor 1248	1	16	U
11097-69-1	Aroclor 1254	1	16	U
11096-82-5	Aroclor 1260	1	168	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	6.48	6.92	107	34 - 148	
Tetrachloro-m-xylene	6.48	7.48	115	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:20:06
Reprocess Number	: buf2049: 116381		
Operator	: tchrom	Sample Name	: 10L0498-BS1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 15:19:12	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96157.raw <Modified>
Result File : H:\TURBO6\5890-12\12-seq96\12a96157-20101209-052002.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96157.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96157-20101209-052002.rst
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96157-20101209-052002.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.64	VV	122511	TMX	0.02309	——	0
9	2.16	VV	185683	AR1016-A	0.56989	0.14247	4
10	2.29	VV	106770	AR1016-B	0.61515	0.15379	4
12	2.47	VV	256517	AR1016-C	0.56164	0.14041	4
13	2.55	VV	118390	AR1016-D	0.56385	0.14096	4
28	4.26	VV	274268	AR1260-A	0.55244	0.13811	4
31	4.62	VE	376668	AR1260-B	0.52730	0.13182	4
33	4.83	VV	155119	AR1260-C	0.50216	0.12554	4
37	5.26	VV	109899	AR1260-D	0.49776	0.12444	4
39	5.74	VV	157841	DCBP	0.02135	——	0
			1863666			1.09755	

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Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
9	2.16	VV	185683	AR1016-A	0.56989	0.14247	4
10	2.29	VV	106770	AR1016-B	0.61515	0.15379	4
12	2.47	VV	256517	AR1016-C	0.56164	0.14041	4
13	2.55	VV	118390	AR1016-D	0.56385	0.14096	4
			667361			0.57763	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
28	4.26	VV	274268	AR1260-A	0.55244	0.13811	4
31	4.62	VE	376668	AR1260-B	0.52730	0.13182	4
33	4.83	VV	155119	AR1260-C	0.50216	0.12554	4
37	5.26	VV	109899	AR1260-D	0.49776	0.12444	4
			915954			0.51991	

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LCS (2)

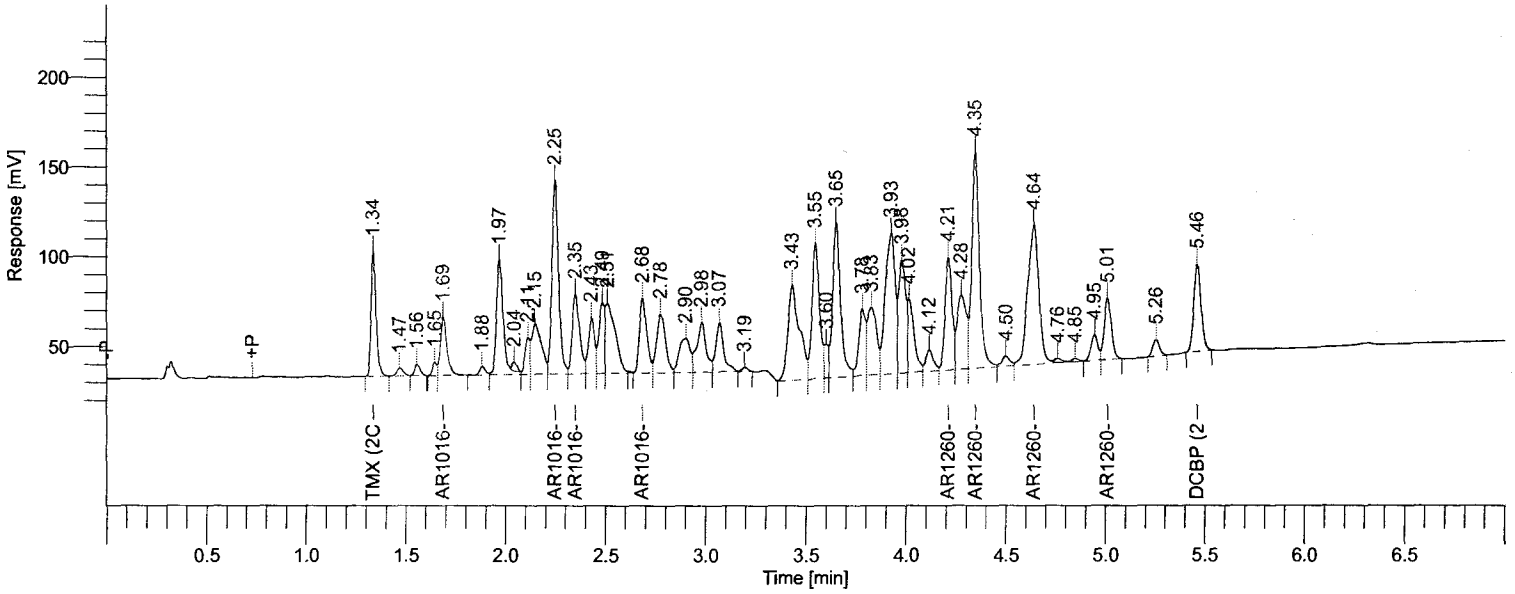
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0498-BS1	File ID:	12B96157
Sampled:		Prepared:	12/07/10 12:00	Analyzed:	12/08/10 15:19
Solids:		Preparation:	3550B GC	Initial/Final:	30.86 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	173	C
11104-28-2	Aroclor 1221 [2C]	1	16	U
11141-16-5	Aroclor 1232 [2C]	1	16	U
53469-21-9	Aroclor 1242 [2C]	1	16	U
12672-29-6	Aroclor 1248 [2C]	1	16	U
11097-69-1	Aroclor 1254 [2C]	1	16	U
11096-82-5	Aroclor 1260 [2C]	1	158	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	6.48	5.87	91	34 - 148	
Tetrachloro-m-xylene [2C]	6.48	7.17	111	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:20:13
Reprocess Number	: buf2049: 116382		
Operator	: tchrom	Sample Name	: 10L0498-BS1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 15:19:12	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96157.raw <Modified>
Result File : H:\TURBO6\5890-12\12-seq96\12B96157-20101209-052008.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96157.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96157-20101209-052008.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96157-20101209-052008.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
1	1.34	BV	122271	TMX (2C)	0.02213	——	0
5	1.69	VV	73578	AR1016-A (2C)	0.56073	0.14018	4
11	2.25	VV	251918	AR1016-B (2C)	0.54729	0.13682	4
12	2.35	VV	115053	AR1016-C (2C)	0.59164	0.14791	4
16	2.68	VV	107262	AR1016-D (2C)	0.43457	0.10864	4
32	4.21	VV	151429	AR1260-A (2C)	0.50031	0.12508	4
34	4.35	VV	324038	AR1260-B (2C)	0.49993	0.12498	4
36	4.64	VE	302320	AR1260-C (2C)	0.48858	0.12214	4
40	5.01	VB	85022	AR1260-D (2C)	0.45848	0.11462	4
42	5.46	VB	124451	DCBP (2C)	0.01810	——	0
			1657342			1.02038	

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Group Report For : AR1016 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.69	VV	73578	AR1016-A (2C)	0.56073	0.14018	4
11	2.25	VV	251918	AR1016-B (2C)	0.54729	0.13682	4
12	2.35	VV	115053	AR1016-C (2C)	0.59164	0.14791	4
16	2.68	VV	107262	AR1016-D (2C)	0.43457	0.10864	4
			547812			0.53356	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
32	4.21	VV	151429	AR1260-A (2C)	0.50031	0.12508	4
34	4.35	VV	324038	AR1260-B (2C)	0.49993	0.12498	4
36	4.64	VE	302320	AR1260-C (2C)	0.48858	0.12214	4
40	5.01	VB	85022	AR1260-D (2C)	0.45848	0.11462	4
			862808			0.48682	

Form 1
ORGANIC ANALYSIS DATA SHEET
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Matrix Spike (1)

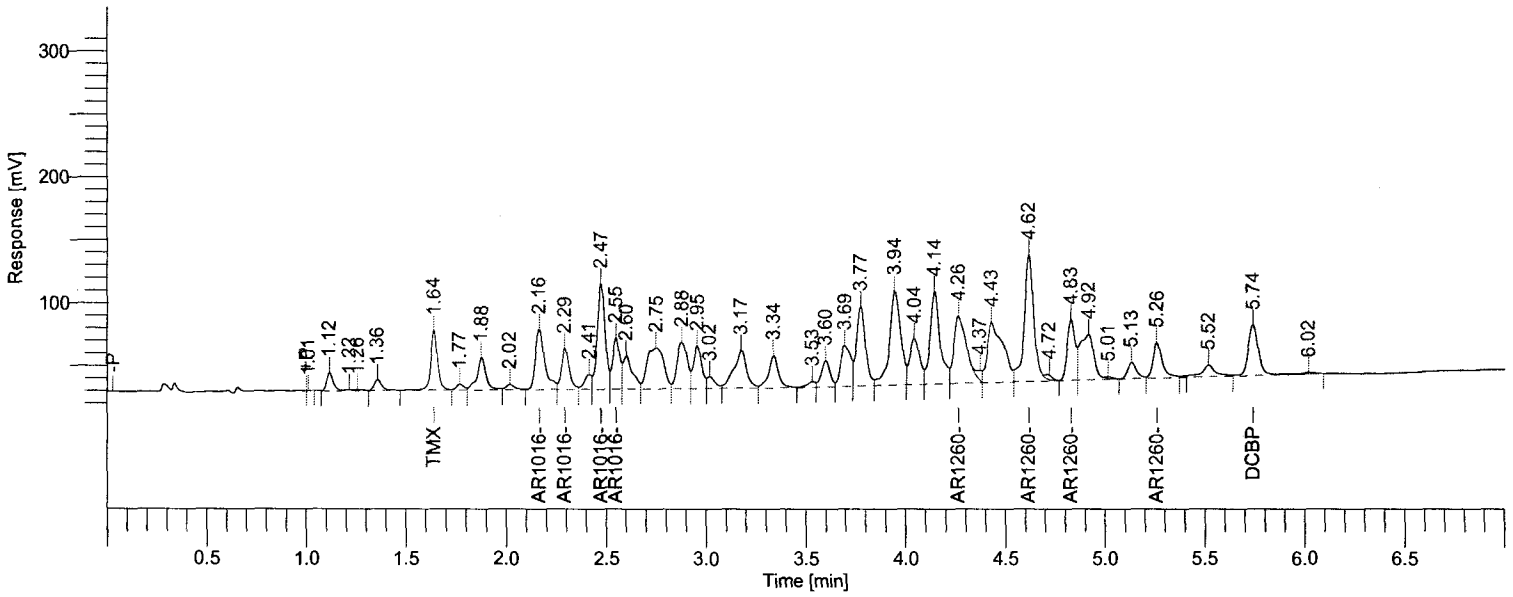
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0498-MS1	File ID:	12a96158
Sampled:		Prepared:	12/07/10 12:00	Analyzed:	12/08/10 15:34
Solids:	72.68	Preparation:	3550B GC	Initial/Final:	30.03 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	228	C
11104-28-2	Aroclor 1221	1	23	U
11141-16-5	Aroclor 1232	1	23	U
53469-21-9	Aroclor 1242	1	23	U
12672-29-6	Aroclor 1248	1	23	U
11097-69-1	Aroclor 1254	1	23	U
11096-82-5	Aroclor 1260	1	208	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	9.16	8.53	93	34 - 148	
Tetrachloro-m-xylene	9.16	9.74	106	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:20:20
Reprocess Number	: buf2049: 116383		
Operator	: tchrom	Sample Name	: 10L0498-MS1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 15:34:02	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96158.raw <Modified>
Result File : H:\TURBO6\5890-12\12-seq96\12a96158-20101209-052015.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96158.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96158-20101209-052015.rst
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96158-20101209-052015.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
6	1.64	VV	112816	TMX	0.02126	——	0
10	2.16	VV	158615	AR1016-A	0.48681	0.12170	4
11	2.29	VV	87589	AR1016-B	0.50464	0.12616	4
13	2.47	VV	233234	AR1016-C	0.51066	0.12766	4
14	2.55	VV	103312	AR1016-D	0.49203	0.12301	4
29	4.26	VE	238685	AR1260-A	0.48076	0.12019	4
32	4.62	VE	339926	AR1260-B	0.47586	0.11897	4
34	4.83	VV	136877	AR1260-C	0.44311	0.11078	4
38	5.26	VV	91147	AR1260-D	0.41283	0.10321	4
40	5.74	VE	137728	DCBP	0.01863	——	0
			1639928			0.95168	

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Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
10	2.16	VV	158615	AR1016-A	0.48681	0.12170	4
11	2.29	VV	87589	AR1016-B	0.50464	0.12616	4
13	2.47	VV	233234	AR1016-C	0.51066	0.12766	4
14	2.55	VV	103312	AR1016-D	0.49203	0.12301	4
			582749			0.49854	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
29	4.26	VE	238685	AR1260-A	0.48076	0.12019	4
32	4.62	VE	339926	AR1260-B	0.47586	0.11897	4
34	4.83	VV	136877	AR1260-C	0.44311	0.11078	4
38	5.26	VV	91147	AR1260-D	0.41283	0.10321	4
			806635			0.45314	

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Form 1

ORGANIC ANALYSIS DATA SHEET

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Matrix Spike (2)

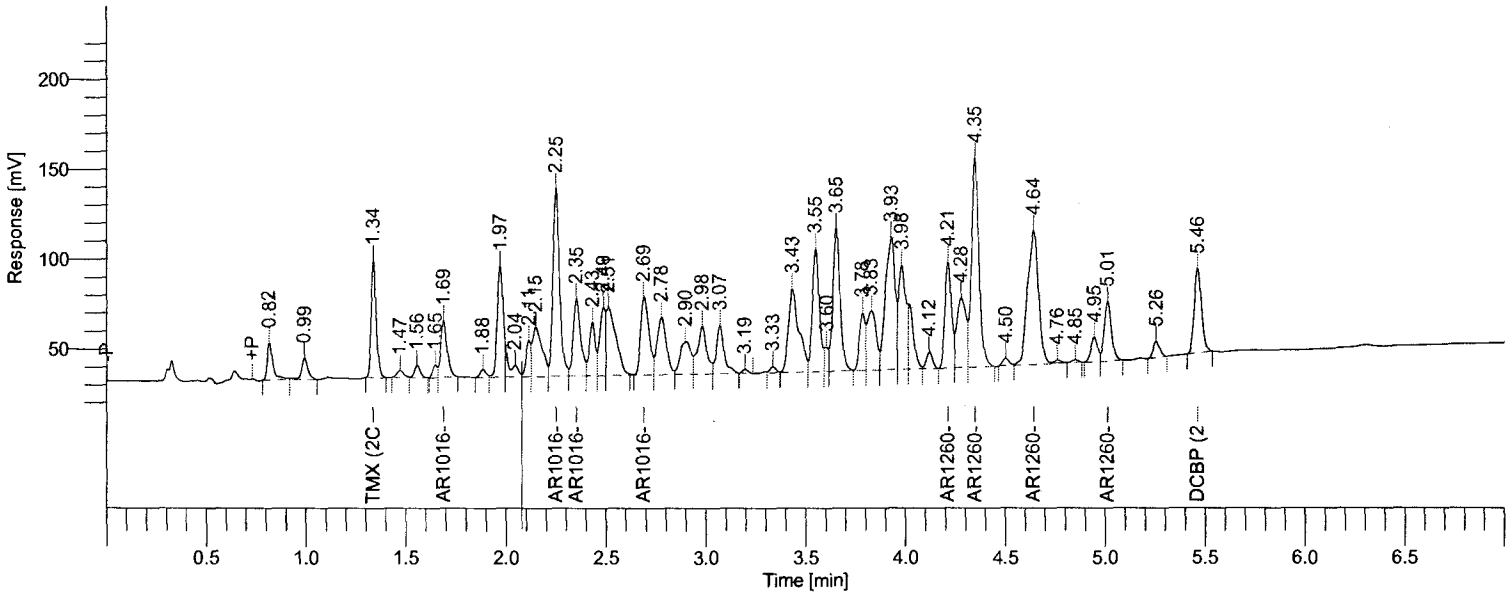
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0498-MS1	File ID:	12B96158
Sampled:		Prepared:	12/07/10 12:00	Analyzed:	12/08/10 15:34
Solids:	72.68	Preparation:	3550B GC	Initial/Final:	30.03 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	246	C
11104-28-2	Aroclor 1221 [2C]	1	23	U
11141-16-5	Aroclor 1232 [2C]	1	23	U
53469-21-9	Aroclor 1242 [2C]	1	23	U
12672-29-6	Aroclor 1248 [2C]	1	23	U
11097-69-1	Aroclor 1254 [2C]	1	23	U
11096-82-5	Aroclor 1260 [2C]	1	210	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	9.16	7.96	87	34 - 148	
Tetrachloro-m-xylene [2C]	9.16	9.36	102	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:20:27
Reprocess Number	: buf2049: 116384		
Operator	: tchrom	Sample Name	: 10L0498-MS1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 15:34:02	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96158.raw <Modified>
Result File : H:\TURBO6\5890-12\12-seq96\12B96158-20101209-052022.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96158.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96158-20101209-052022.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96158-20101209-052022.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	BB	112899	TMX (2C)	0.02044	——	0
7	1.69	VB	68827	AR1016-A (2C)	0.52452	0.13113	4
13	2.25	VV	244990	AR1016-B (2C)	0.53224	0.13306	4
14	2.35	VV	112084	AR1016-C (2C)	0.57637	0.14409	4
18	2.69	VV	126913	AR1016-D (2C)	0.51419	0.12855	4
34	4.21	BV	137915	AR1260-A (2C)	0.45567	0.11392	4
36	4.35	VB	302252	AR1260-B (2C)	0.46632	0.11658	4
38	4.64	VE	285284	AR1260-C (2C)	0.46104	0.11526	4
42	5.01	VB	83301	AR1260-D (2C)	0.44920	0.11230	4
44	5.46	BB	119406	DCBP (2C)	0.01737	——	0
			1593870			0.99489	

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Group Report For : AR1016 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
7	1.69	VB	68827	AR1016-A (2C)	0.52452	0.13113	4
13	2.25	VV	244990	AR1016-B (2C)	0.53224	0.13306	4
14	2.35	VV	112084	AR1016-C (2C)	0.57637	0.14409	4
18	2.69	VV	126913	AR1016-D (2C)	0.51419	0.12855	4
			552814			0.53683	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
34	4.21	BV	137915	AR1260-A (2C)	0.45567	0.11392	4
36	4.35	VB	302252	AR1260-B (2C)	0.46632	0.11658	4
38	4.64	VE	285284	AR1260-C (2C)	0.46104	0.11526	4
42	5.01	VB	83301	AR1260-D (2C)	0.44920	0.11230	4
			808752			0.45806	

Form 1

ORGANIC ANALYSIS DATA SHEET

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Matrix Spike Dup (1)

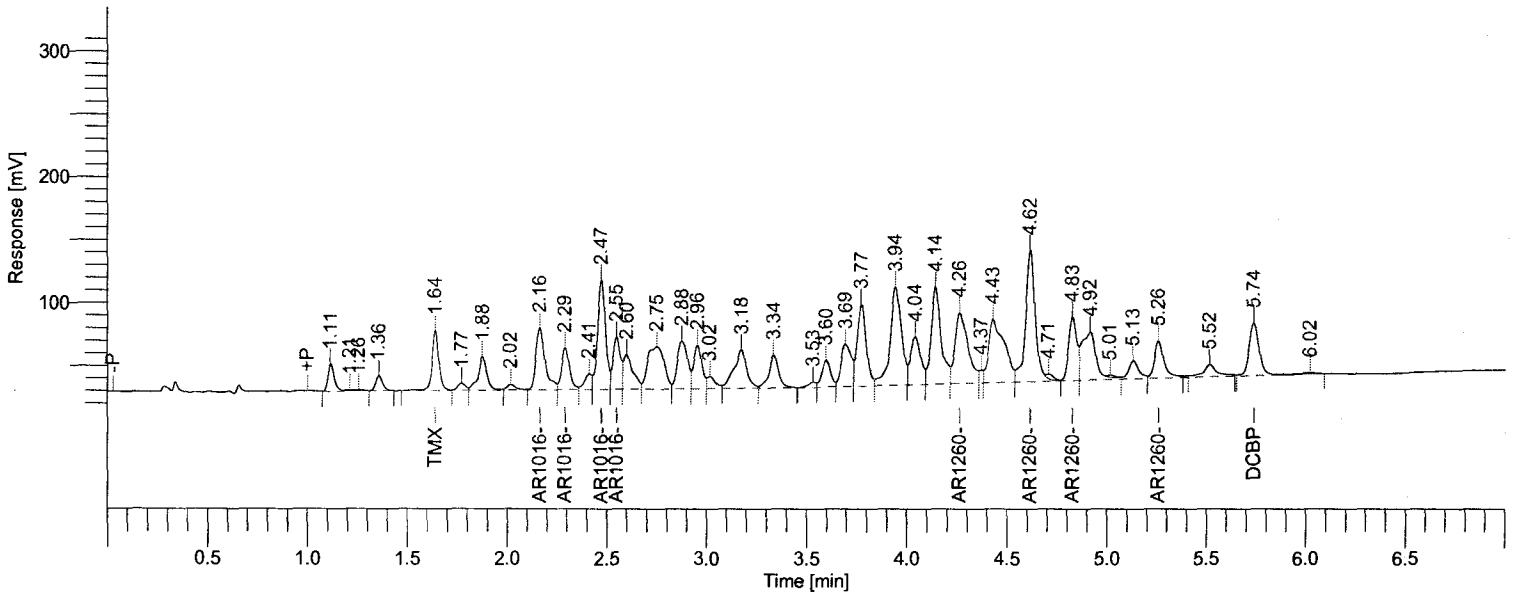
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0498-MSD1	File ID:	12a96159
Sampled:		Prepared:	12/07/10 12:00	Analyzed:	12/08/10 15:48
Solids:	72.68	Preparation:	3550B GC	Initial/Final:	30.35 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	235	C
11104-28-2	Aroclor 1221	1	23	U
11141-16-5	Aroclor 1232	1	23	U
53469-21-9	Aroclor 1242	1	23	U
12672-29-6	Aroclor 1248	1	23	U
11097-69-1	Aroclor 1254	1	23	U
11096-82-5	Aroclor 1260	1	219	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	9.07	9.06	100	34 - 148	
Tetrachloro-m-xylene	9.07	9.92	109	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:20:34
Reprocess Number	: buf2049: 116385		
Operator	: tchrom	Sample Name	: 10L0498-MSD1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: A
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 15:48:47	Cycle	: 4

Raw Data File : H:\TURBO6\5890-12\12-seq96\12a96159.raw
Result File : H:\TURBO6\5890-12\12-seq96\12a96159-20101209-052029.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12a96159.raw
Proc Method : h:\turbo6\5890-12\12-aproc.mth from H:\TURBO6\5890-12\12-seq96\12a96159-20101209-052029.rst
Calib Method : h:\turbo6\5890-12\12a-66(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12a96159-20101209-052029.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
5	1.64	BV	116182	TMX	0.02189	——	0
9	2.16	VV	163988	AR1016-A	0.50330	0.12583	4
10	2.29	VV	90841	AR1016-B	0.52338	0.13084	4
12	2.47	VV	241801	AR1016-C	0.52942	0.13235	4
13	2.55	VV	108476	AR1016-D	0.51663	0.12916	4
28	4.26	VV	255652	AR1260-A	0.51494	0.12874	4
31	4.62	VE	355358	AR1260-B	0.49747	0.12437	4
33	4.83	VV	145421	AR1260-C	0.47076	0.11769	4
37	5.26	VV	99140	AR1260-D	0.44903	0.11226	4
39	5.74	VE	147837	DCBP	0.02000	——	0
			1724696			1.00123	

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Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
9	2.16	VV	163988	AR1016-A	0.50330	0.12583	4
10	2.29	VV	90841	AR1016-B	0.52338	0.13084	4
12	2.47	VV	241801	AR1016-C	0.52942	0.13235	4
13	2.55	VV	108476	AR1016-D	0.51663	0.12916	4
			605106			0.51818	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
28	4.26	VV	255652	AR1260-A	0.51494	0.12874	4
31	4.62	VE	355358	AR1260-B	0.49747	0.12437	4
33	4.83	VV	145421	AR1260-C	0.47076	0.11769	4
37	5.26	VV	99140	AR1260-D	0.44903	0.11226	4
			855571			0.48305	

Form 1

ORGANIC ANALYSIS DATA SHEET

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Matrix Spike Dup (2)

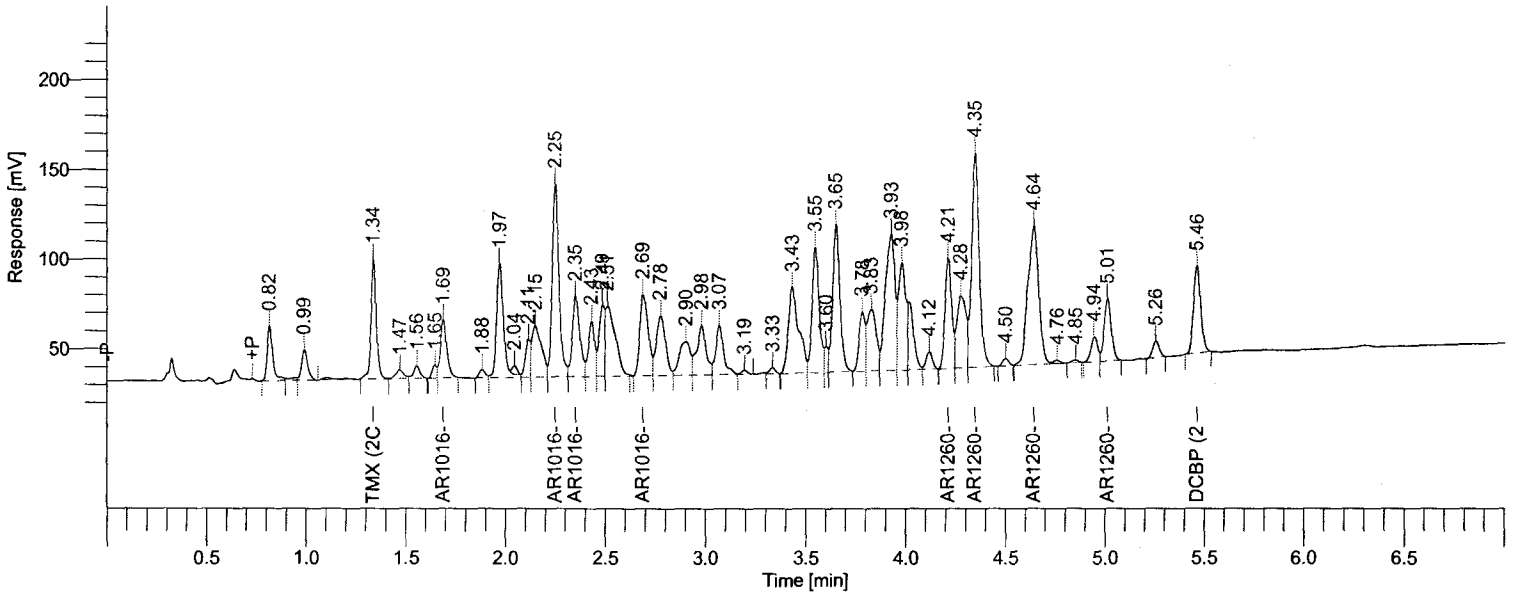
Laboratory:	TestAmerica Buffalo			SDG:	RTL0572
Client:	PARS Environmental, Inc.			Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Laboratory ID:	10L0498-MSD1	File ID:	12B96159
Sampled:		Prepared:	12/07/10 12:00	Analyzed:	12/08/10 15:48
Solids:	72.68	Preparation:	3550B GC	Initial/Final:	30.35 g / 10 mL
Batch:	10L0498	Sequence:	T005619	Calibration:	R10J096
Instrument:	HP5890-12				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	254	C
11104-28-2	Aroclor 1221 [2C]	1	23	U
11141-16-5	Aroclor 1232 [2C]	1	23	U
53469-21-9	Aroclor 1242 [2C]	1	23	U
12672-29-6	Aroclor 1248 [2C]	1	23	U
11097-69-1	Aroclor 1254 [2C]	1	23	U
11096-82-5	Aroclor 1260 [2C]	1	215	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	9.07	8.17	90	34 - 148	
Tetrachloro-m-xylene [2C]	9.07	10.1	111	35 - 134	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/10 05:20:40
Reprocess Number	: buf2049: 116386		
Operator	: tchrom	Sample Name	: 10L0498-MSD1
Sample Number	:	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-12	Channel	: B
Interface Serial #	: 9205571203	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 25.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 500.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 15:48:47	Cycle	: 4

Raw Data File : H:\TURBO6\5890-12\12-seq96\12B96159.raw
Result File : H:\TURBO6\5890-12\12-seq96\12B96159-20101209-052036.rst
Inst Method : h:\turbo6\5890-12\12dins from H:\TURBO6\5890-12\12-seq96\12B96159.raw
Proc Method : h:\turbo6\5890-12\12-bproc.mth from H:\TURBO6\5890-12\12-seq96\12B96159-20101209-052036.rst
Calib Method : h:\turbo6\5890-12\12b-66(10-16-10)rt1.mth from H:\TURBO6\5890-12\12-seq96\12B96159-20101209-052036.rst
Report Format File: h:\turbo6\5890-12\12samp.rpt
Sequence File : H:\TURBO6\5890-12\12-seq96\12-SEQ96.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
3	1.34	VV	122680	TMX (2C)	0.02221	——	0
7	1.69	VB	71962	AR1016-A (2C)	0.54841	0.13710	4
13	2.25	VV	256180	AR1016-B (2C)	0.55655	0.13914	4
14	2.35	VV	117362	AR1016-C (2C)	0.60351	0.15088	4
18	2.69	VV	132231	AR1016-D (2C)	0.53573	0.13393	4
34	4.21	BV	143489	AR1260-A (2C)	0.47408	0.11852	4
36	4.35	VB	314026	AR1260-B (2C)	0.48448	0.12112	4
38	4.64	VE	294542	AR1260-C (2C)	0.47601	0.11900	4
42	5.01	VB	85981	AR1260-D (2C)	0.46365	0.11591	4
44	5.46	BB	123904	DCBP (2C)	0.01802	——	0
			1662359			1.03561	

DEC 09 2010

Group Report For : AR1016 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
7	1.69	VB	71962	AR1016-A (2C)	0.54841	0.13710	4
13	2.25	VV	256180	AR1016-B (2C)	0.55655	0.13914	4
14	2.35	VV	117362	AR1016-C (2C)	0.60351	0.15088	4
18	2.69	VV	132231	AR1016-D (2C)	0.53573	0.13393	4
			577736			0.56105	

Group Report For : AR1260 (2C)

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (4 peaks)	# PEAKS USED
34	4.21	BV	143489	AR1260-A (2C)	0.47408	0.11852	4
36	4.35	VB	314026	AR1260-B (2C)	0.48448	0.12112	4
38	4.64	VE	294542	AR1260-C (2C)	0.47601	0.11900	4
42	5.01	VB	85981	AR1260-D (2C)	0.46365	0.11591	4
			838038			0.47456	

HOLDING TIME SUMMARY

8082

Laboratory: TestAmerica Buffalo SDG: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SP-1-5-7	12/06/10 09:05	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 16:03	1	365	
SP-2-6-8	12/06/10 09:40	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 16:18	1	365	
SP-3-4-6	12/06/10 10:10	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 16:33	1	365	
SP-4-2-4	12/06/10 10:40	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 16:47	1	365	
SP-5-2-4	12/06/10 11:50	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 17:02	1	365	
SP-6-2-4	12/06/10 12:20	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 17:17	1	365	
SP-7-4-6	12/06/10 12:40	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 18:01	1	365	
SP-8-4-6	12/06/10 13:00	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 18:16	1	365	
SP-9-2-4	12/06/10 13:40	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 18:31	1	365	
SP-10-2-4	12/06/10 14:15	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 18:45	1	365	
SP-11-2-4	12/06/10 14:35	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 19:00	1	365	
DUP-1	12/06/10 00:00	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 19:15	1	365	
SP-12-6-10	12/06/10 15:20	12/06/10 17:15	12/07/10 12:00	1	365	12/08/10 19:30	1	365	

* Indicates a Holding Time violation.

PREPARATION BENCH SHEET

10L0498

Surrogate used: RT14307

TestAmerica Buffalo

Matrix: Solid | **Prepared using: Extractions - 3550B GC** | **Printed: 12/7/2010 5:02:22PM**

Lab Number	Surrogate Amount	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	Lab ID Bar Code	Comments
10L0498-BLK1	1000	30.6	10			0		
10L0498-BS1	1000	30.86	10	RT12477		1000		
10L0498-MS1	1000	30.03	10	RT12477	RTL0572-13	1000		
10L0498-MSD1	1000	30.35	10	RT12477	RTL0572-13	1000		
RTL0572-01	1000	30.23	10	Color: Mettler/ Bottle ID: B		Sample pH 0-4 5-7 8-12 pH Adjusted:		
8082								
RTL0572-02	1000	30.83	10	Color: Mettler/ Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		
8082								
RTL0572-03	1000	30.02	10	Color: Mettler/ Bottle ID: B		Sample pH 0-4 5-7 8-12 pH Adjusted: N/A		
8082								
RTL0572-04	1000	30.7	10	Color: Mettler/ Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		
8082								
RTL0572-05	1000	30.45	10	Color: Mettler/ Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		
8082								
RTL0572-06	1000	30.69	10	Color: Mettler/ Bottle ID: B		Sample pH 0-4 5-7 8-12 pH Adjusted:		
8082								
RTL0572-07	1000	30.02	10	Color: Mettler/ Bottle ID: B		Sample pH 0-4 5-7 8-12 pH Adjusted:		
8082								
RTL0572-08	1000	30.97	10	Color: Mettler/ Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		
8082								
RTL0572-09	1000	30.7	10	Color: Mettler/ Bottle ID: B		Sample pH 0-4 5-7 8-12 pH Adjusted:		
8082								

49/1158

PREPARATION BENCH SHEET

10L0498

Surrogate used: RT14307

TestAmerica Buffalo

Matrix: Solid | **Prepared using: Extractions - 3550B GC** | **Printed: 12/7/2010 5:02:22PM**

Lab Number	Surrogate Amount	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	Lab ID Bar Code	Comments
RTL0572-10	1000	30.78	10	Color: Mettler/ Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		
8082								
RTL0572-11	1000	30.96	10	Color: Mettler/ Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted: N/A		
8082								
RTL0572-12	1000	30.11	10	Color: Mettler/ Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		
8082								
RTL0572-13	1000	30.09	10	Color: Mettler/ Bottle ID: C		Sample pH 0-4 5-7 8-12 pH Adjusted:		MS/SD
8082								

Reagent

RT10034 Acetone (Cycletainer) RT11763 Hexane (Cycletainer) RT14373 Sodium Sulfate
RT14740 Sulfuric Acid (Concentrated)

Surrogated By: CMM
Spiked By: CMM
Extracted By: CMM
Cleanup By: CMM

Pre-Concentration By: N/A
Concentrated By: KW
Vialed By: CMM

Prepared by: CMM Date: 12-07-10
Entry: SS Date: 12/7/10
Review: JB Date: 12-7-10

Work Orders

RTL0572

Comments: _____

Test America Buffalo

GC Extractable INJECTION LOGBOOK

Instrument ID: HP5890-12 Columns: A / B ZB-5 / ZB-35 Sequence 89

Logbook # A10-03-01

Date & Initial	Job #	Vial / Sample ID	DF	Cleanup	File #	Batched	A / B	Comments
10-16-10		RTJ 1038-13						
DYB		1038-14						
	CCV	RT 12471-CCV3						(A) (B)
	IBlk	RT 12010			185			
		RTJ 1077-01						
		1187-01						
		1306-01						
	CCV	RT 12471-CCV4						(A) (B)
	IBlk	~~RTJ 109~~ RT 12010			190			
10/16/10 DA	ICAL	~~DYB 10-16-10~~ AR1231	0.5		191	(Y)		
	SS	↓	0.6					(A) OK (B) OK
951/1158	ICAL	AR 1232	0.5					
	SS	↓	0.6					(A) OK (B) OK
	ICAL	AR 1242	0.5		195			
	SS	↓	0.6					(A) OK (B) OK
	ICAL	AR 1248	0.5					
	SS	↓	0.6					(A) OK (B) OK
	ICAL	AR 1254	0.5					
	SS	↓	0.6		206			(A) OK (B) OK
	ICAL	AR 1262	0.5					
	SS	↓	0.6					(A) OK (B) OK
	ICAL	AR 1268	0.5					
	SS	↓	0.6					(A) OK (B) OK
	ICAL	AR 1660	0.025		205			
			0.05					
			0.10					
	↓	↓	0.25		28	↓		

Rev.0
12/20/2007

000009

Reviewed By: Date:

Test America Buffalo

GC Extractable INJECTION LOGBOOK

Instrument ID: HP5890-12 Columns: A / B 2B-5 / 2B-35 Sequence 89

Logbook # A10-03-01

Date & Initial	Job #	Vial / Sample ID	DF	Cleanup	File #	Batched	A / B	Comments
10/6/10 DP	ICAL	AC1660	0.5		209	✓		
	↓	↓	1.0		210			
	↓	↓	2.0					
	SS	AC1660	0.6			↓		① CH ② CH
10.17.10		PRIMER						
JH		CW1						
		IBKW1			215			
	J1187	RTJ1187 - 01						
	J1306	RTJ1306 - 01						
	OC	10J1387 - IBL01						
	↓	IBJ1						
	↓	MS1			220			
	↓	MSD1						
	J1459	RTJ1459 - 01						
	↓	02						
	↓	03						
	↓	04			225			
	CW	RT12471 CW2						
	IBLK1	RT12010 - IBLK						
	J1459	RTJ1459 - 05						
	↓	06		INSTRUMENT				
	↓	07			230			STANDBY
	↓	08						UNTIL
	↓	09 - PRIMER			231			
	↓	10 CW1 237			232			
	↓	11 IBLK 233			234			
	↓	12			235			
	↓				JH	W,R,W		

952/1158

Rev.0
12/20/2007

000010

Reviewed By: Date:

Test America Buffalo

GC Extractable INJECTION LOGBOOK

Instrument ID: HP5890-12 Columns: A / B 2B-5 / 2B-3T Sequence 9C

Logbook # A10-03-01

Date & Initial	Job #	Vial / Sample ID	DF	Cleanup	File #	Batched	A / B	Comments
12.7.16 JM	CCV	RT 14294-CCV3			154		A	~~ADLC B 15.2 10/6~~
	IBLL	RT 14608-IBLL			155			~~ABNT~~ ADLC B 10/6 A/B mix
	QC	10LCL98-BLC1		CC				
		BS1						NA 5
		MS1						
		MSD1						
	L572	RTL0572-01			160			
		02						
		03						
		04						
		05						mix.
		06			165			GLCM
	CCC	RT14294-CCV4						A ~~10/6~~ B 10/6
	IBLL	RT14608-IBLL						
	L572	RTL0572-07						
		08						
		09			170			
		10						
		11						
		12						
		13						
	CCC	RT14294-CCV5			175			AOLC B 10/7 A/B mix
	IBLL	RT14608-IBLL						
	L275	RTL0275-01						
		02						
		03						
		04			180			

953/1158

Rev.0
12/20/2007

Reviewed By: Date:

GC-Semivolatile Organic Example Calculation

GC Extractable
Aqueous Matrix

Default Calculation:

$$\frac{\text{Amt (ng)} \times \text{FV} \times \text{DF}}{\text{IV}} \times \frac{1000}{\text{SV}} \times \text{GPC} = \text{ug/l}$$

Amt = ng on column
FV = Final Extract Volume (ml)
DF=Dilution Factor (no units)
IV = Injection Volume (ul)
SV = Sample Volume (ml)
GPC = (1 if no GPC) or (2 if GPC performed) -If method applicable

GC Extractable
Soil Matrix

Default Calculation:

$$\frac{\text{Amt (ng)} \times \text{FV} \times \text{DF}}{\text{SW} \times \text{DDW} \times \text{IV}} \times 1000 \times \text{GPC} = \text{ug/kg}$$

Amt = ng on column
FV = Final Extract Volume (ml)
DF=Dilution Factor (no units)
IV = Injection Volume (ul)
SW = Sample Weight (g)
GPC = (1 if no GPC) or (2 if GPC performed) -If method applicable.
DDW = Decimal Dry Weight (no units, dry wgt/100)

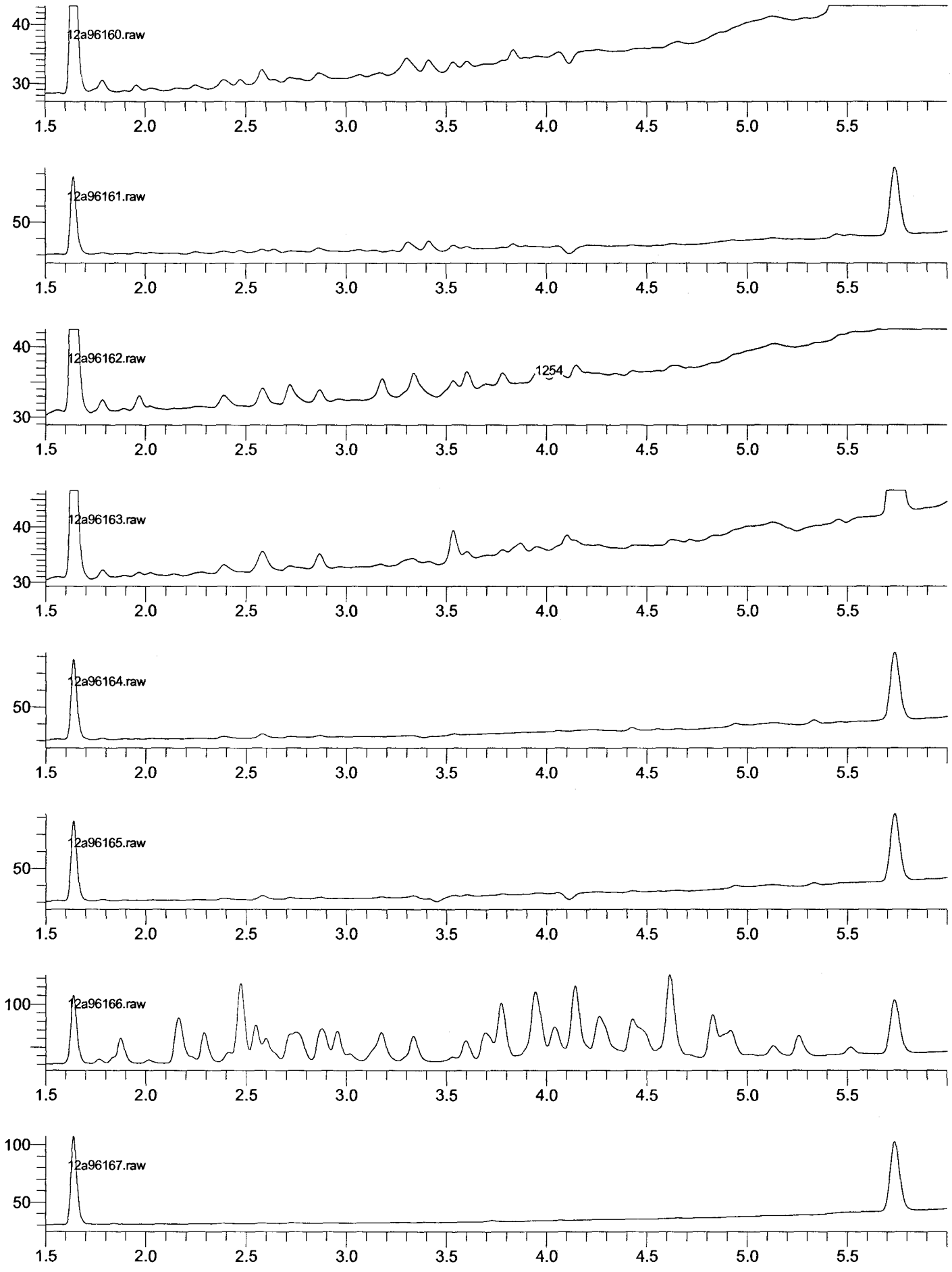
GC Extractable
Wipes

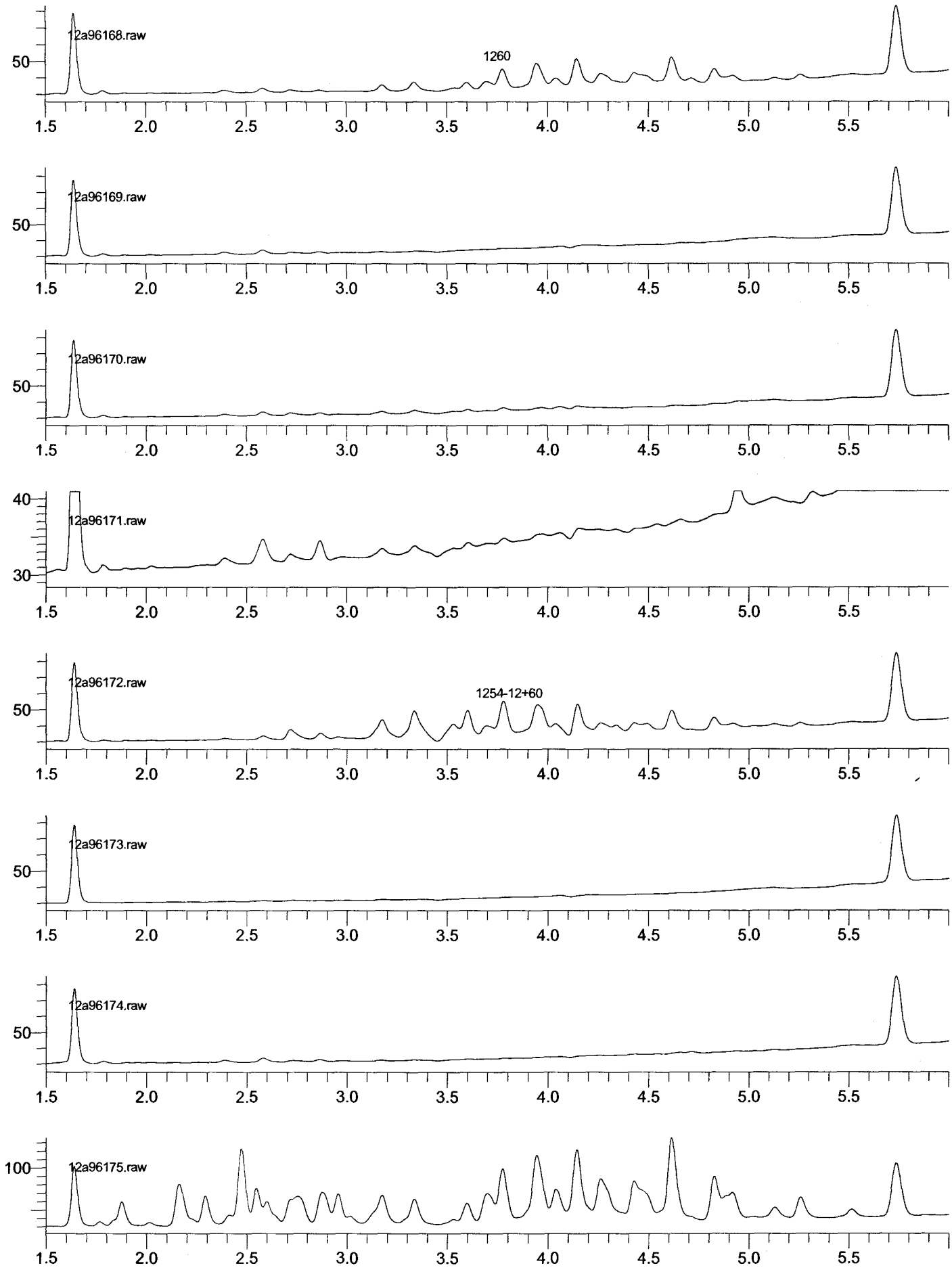
Default Calculation:

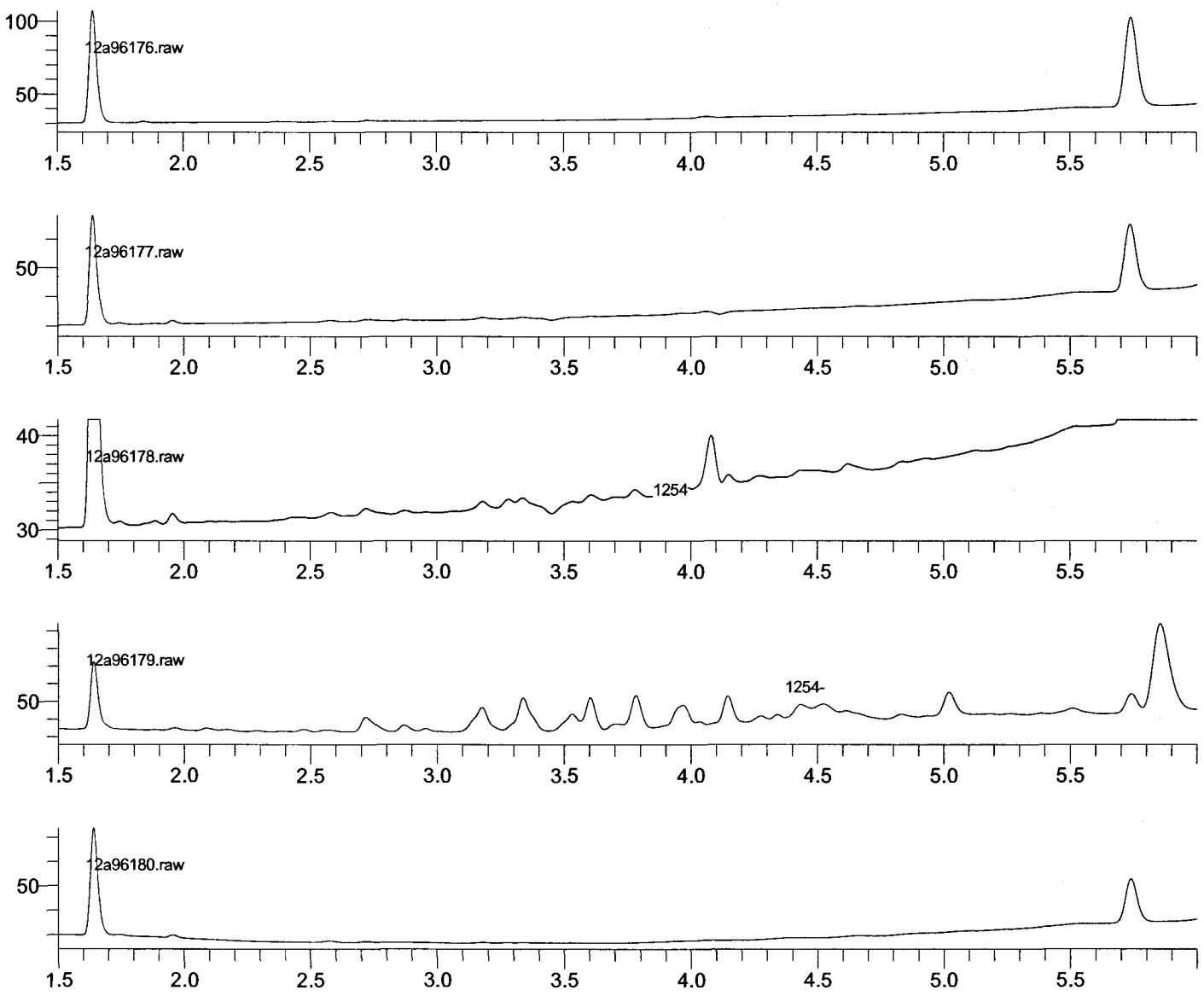
$$\frac{\text{Amt (ng)} \times \text{FV} \times \text{DF}}{\text{SW} \times \text{DDW} \times \text{IV}} = \text{ug/wipe}$$

Amt = ng on column
FV = Final Extract Volume (ml)
DF=Dilution Factor (no units)
IV = Injection Volume (ul)
SW = Sample Weight (g)
DDW = Decimal Dry Weight (no units, dry wgt/100)
For Wipes, Sample weight =1, and %dry= 100

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THE LEADER IN ENVIRONMENTAL TESTING

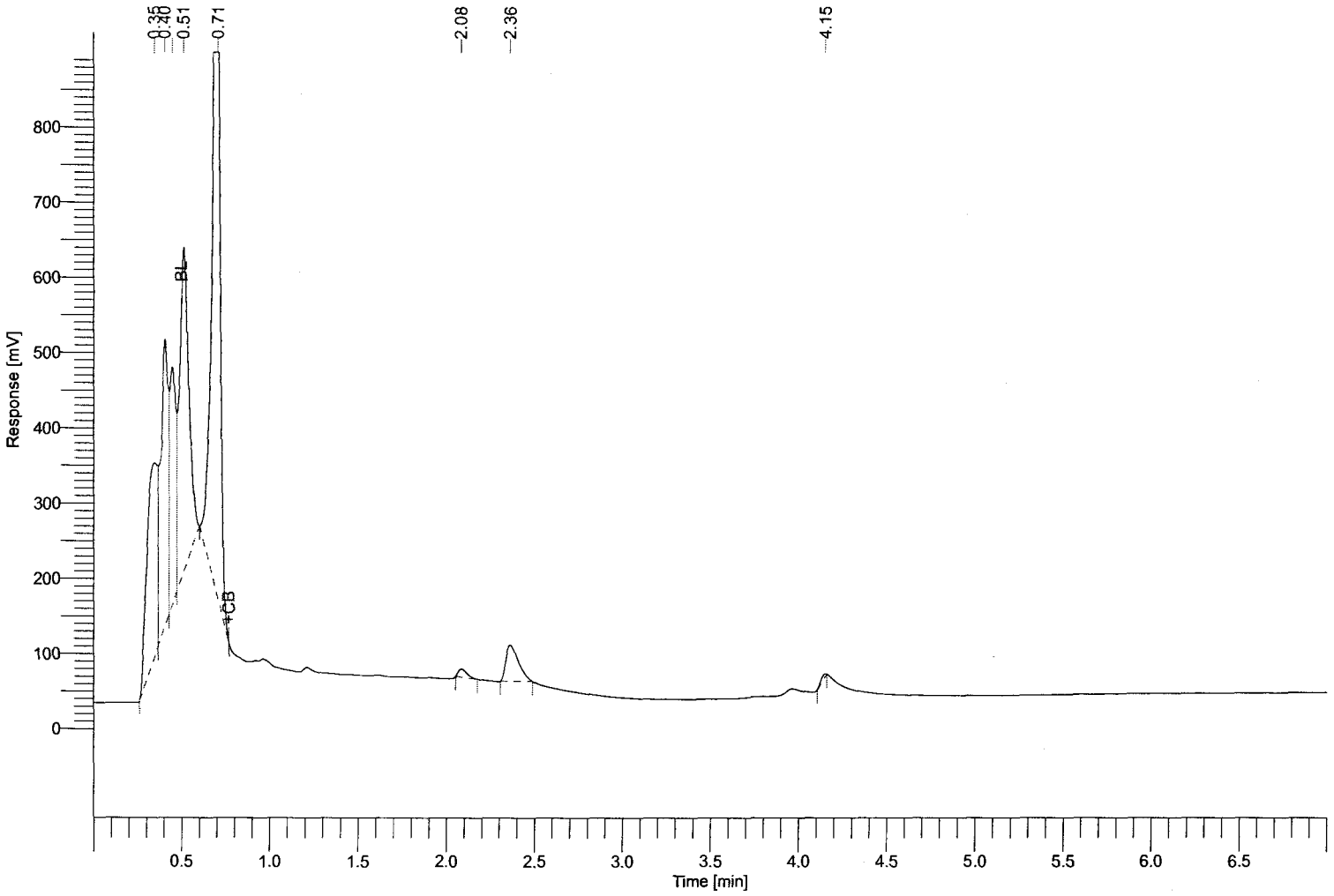

12a96160.raw
12a96161.raw
12a96162.raw
1254
12a96163.raw
12a96164.raw
12a96165.raw
12a96166.raw
12a96167.raw
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2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5


12a96168.raw
1260
50
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
12a96169.raw
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50
12a96173.raw
50
12a96174.raw
50
12a96175.raw
100


100
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2.0
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5.0
5.5
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12a96177.raw
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30
12a96178.raw
1254
50
12a96179.raw
1254-
50
12a96180.raw

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 11:22:13
Reprocess Number	: buf2049: 116259		
Operator	: tchrom	Sample Name	: RTL0572-01
Sample Number	:	Study	: PCBS
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-16	Channel	: A
Interface Serial #	: 3090270361	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 06:56:32	Cycle	: 1

Raw Data File : H:\TURBO6\5890-16\16-SEQ59\16a59168.raw
Result File : H:\TURBO6\5890-16\16-SEQ59\16a59168.rst
Inst Method : H:\TURBO6\5890-16\PPCBINS from H:\TURBO6\5890-16\16-SEQ59\16a59168.raw
Proc Method : h:\turbo6\5890-16\16-a-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16a59168.rst
Calib Method : h:\turbo6\5890-16\16-a-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16a59168.rst
Report Format File: h:\turbo6\5890-16\16screen.rpt
Sequence File : H:\TURBO6\5890-16\16-SEQ59\16D59.seq

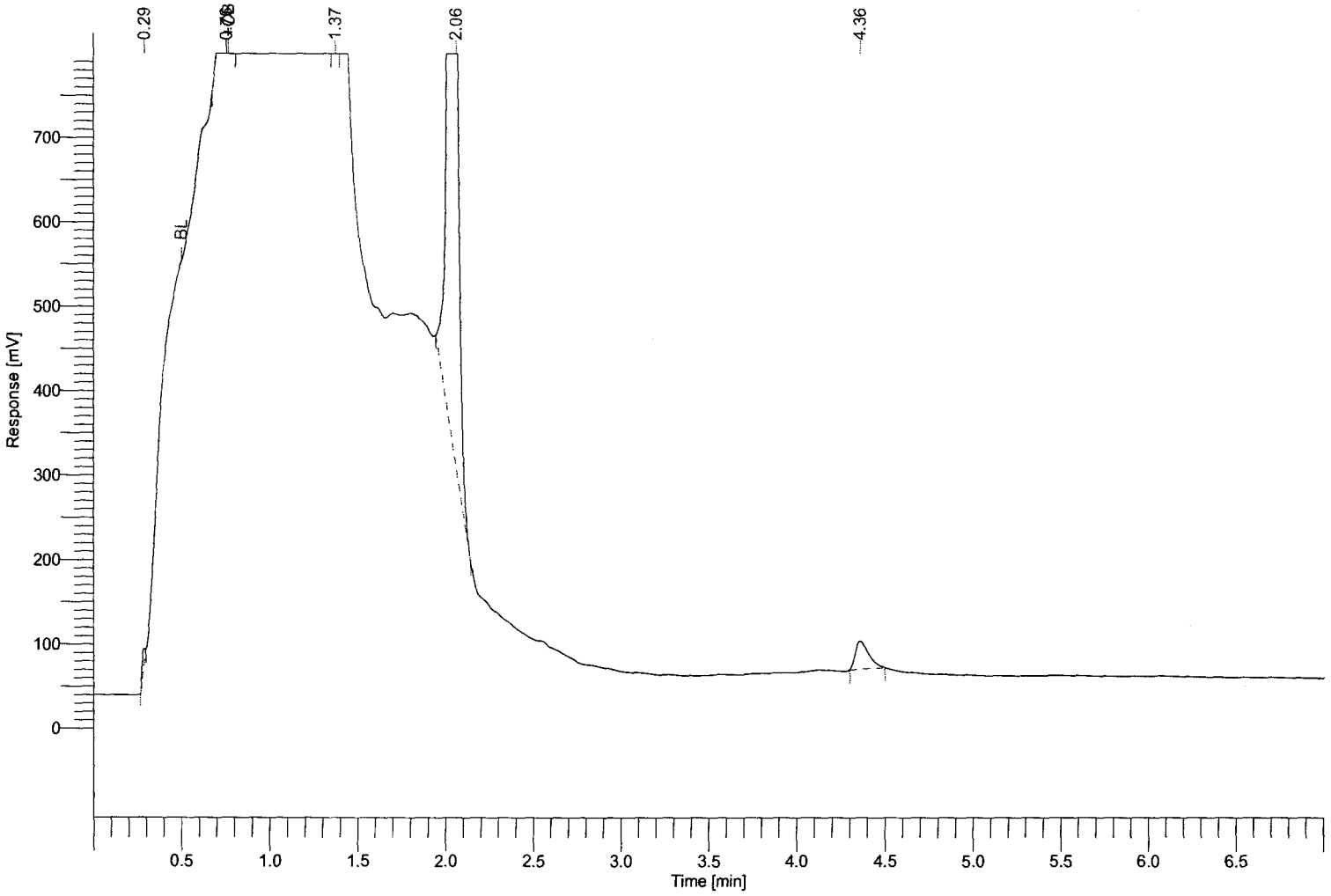


PCB Screen

Peak #	Ret Time [min]	BL	Dilution Needed	Area [uV-sec]	Component Name	NG conc.	Dilution Needed
	1.65		0	36503	AR1248	0.00835	0
	2.15		1	274878	AR1254	0.25403	1
	2.65		3	238375	AR1260	1.40819	3
				549756			

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 11:22:16
Reprocess Number	: buf2049: 116260		
Operator	: tchrom	Sample Name	: RTL0572-02
Sample Number	:	Study	: PCBS
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-16	Channel	: B
Interface Serial #	: 3090270361	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 06:56:32	Cycle	: 1

Raw Data File : H:\TURBO6\5890-16\16-SEQ59\16b59168.raw
Result File : H:\TURBO6\5890-16\16-SEQ59\16b59168.rst
Inst Method : H:\TURBO6\5890-16\PPCBINS from H:\TURBO6\5890-16\16-SEQ59\16b59168.raw
Proc Method : h:\turbo6\5890-16\16-b-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16b59168.rst
Calib Method : h:\turbo6\5890-16\16-b-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16b59168.rst
Report Format File: h:\turbo6\5890-16\16screen.rpt
Sequence File : H:\TURBO6\5890-16\16-SEQ59\16D59.seq

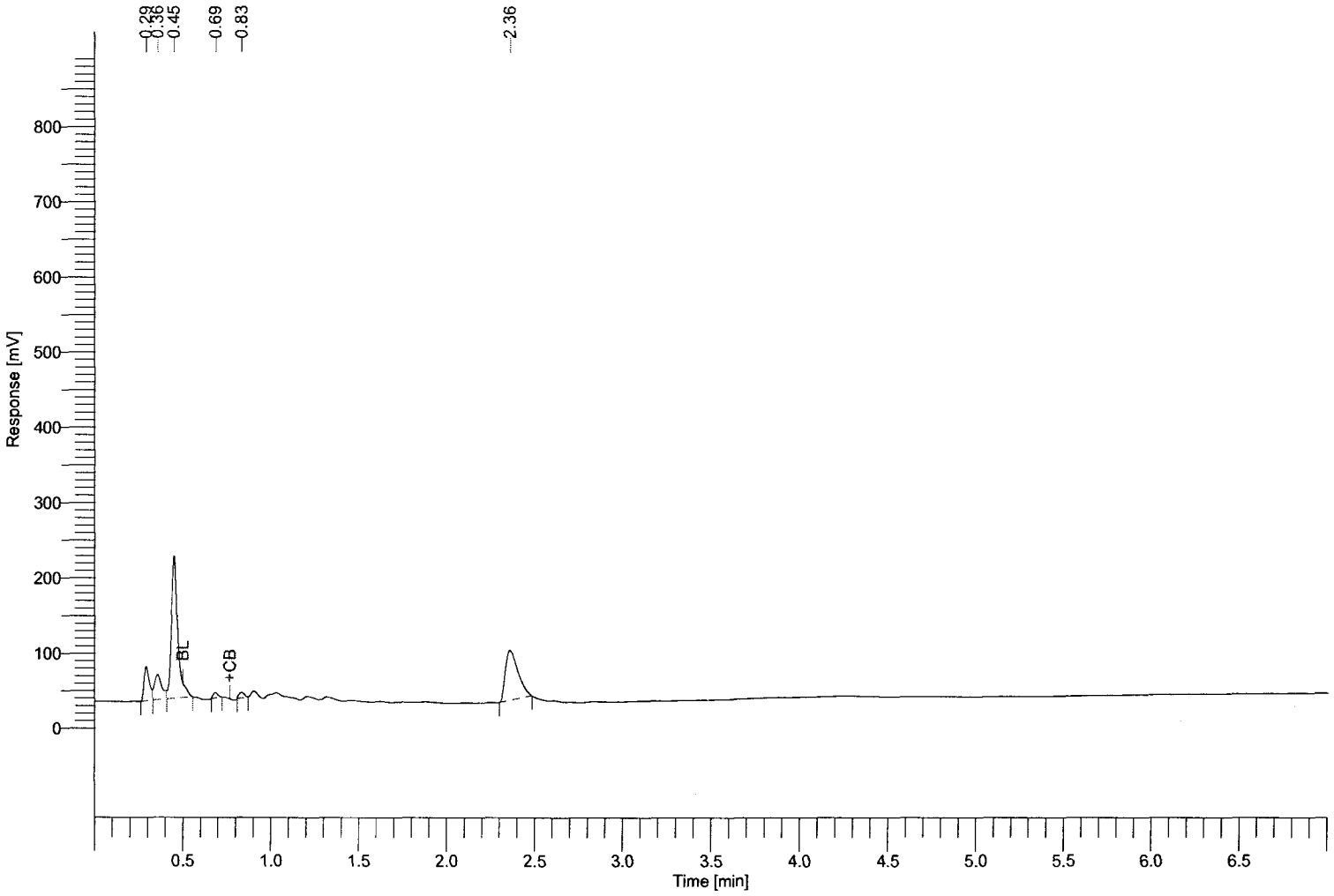


PCB Screen

Peak #	Ret Time [min]	BL	Dilution Needed	Area [uV-sec]	Component Name	NG conc.	Dilution Needed
	1.30		0	98208	AR1242	0.06851	0
	1.60		76	3396758	AR1248	37.79753	76
	2.10		583	3298550	AR1254	2.92e+02	583
				6793516			

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 11:22:18
Reprocess Number	: buf2049: 116261		
Operator	: tchrom	Sample Name	: RTL0572-03
Sample Number	:	Study	: PCBS
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-16	Channel	: A
Interface Serial #	: 3090270361	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 07:07:33	Cycle	: 2

Raw Data File : H:\TURBO6\5890-16\16-SEQ59\16a59169.raw
Result File : H:\TURBO6\5890-16\16-SEQ59\16a59169.rst
Inst Method : H:\TURBO6\5890-16\PPCBINS from H:\TURBO6\5890-16\16-SEQ59\16a59169.raw
Proc Method : h:\turbo6\5890-16\16-a-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16a59169.rst
Calib Method : h:\turbo6\5890-16\16-a-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16a59169.rst
Report Format File: h:\turbo6\5890-16\16screen.rpt
Sequence File : H:\TURBO6\5890-16\16-SEQ59\16D59.seq

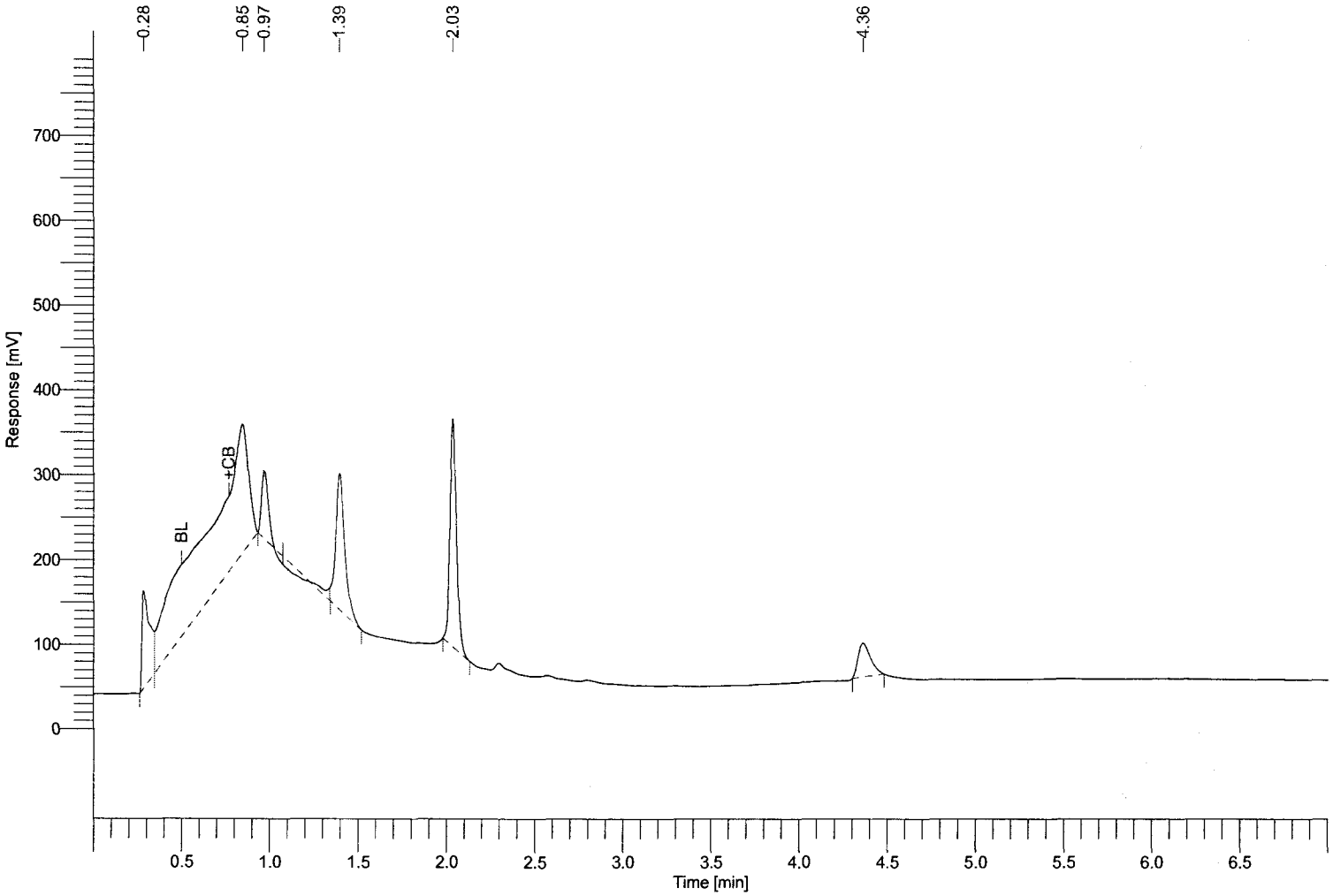


PCB Screen

Peak #	Ret Time [min]	BL	Dilution Needed	Area [uV-sec]	Component Name	NG conc.	Dilution Needed
	2.15		1	333177	AR1254	0.30790	1
	2.65		4	333177	AR1260	1.96824	4
				666354			

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 11:22:21
Reprocess Number	: buf2049: 116262		
Operator	: tchrom	Sample Name	: RTL0572-04
Sample Number	:	Study	: PCBS
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-16	Channel	: B
Interface Serial #	: 3090270361	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 07:07:33	Cycle	: 2

Raw Data File : H:\TURBO6\5890-16\16-SEQ59\16b59169.raw
Result File : H:\TURBO6\5890-16\16-SEQ59\16b59169.rst
Inst Method : H:\TURBO6\5890-16\PPCBINS from H:\TURBO6\5890-16\16-SEQ59\16b59169.raw
Proc Method : h:\turbo6\5890-16\16-b-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16b59169.rst
Calib Method : h:\turbo6\5890-16\16-b-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16b59169.rst
Report Format File: h:\turbo6\5890-16\16screen.rpt
Sequence File : H:\TURBO6\5890-16\16-SEQ59\16D59.seq

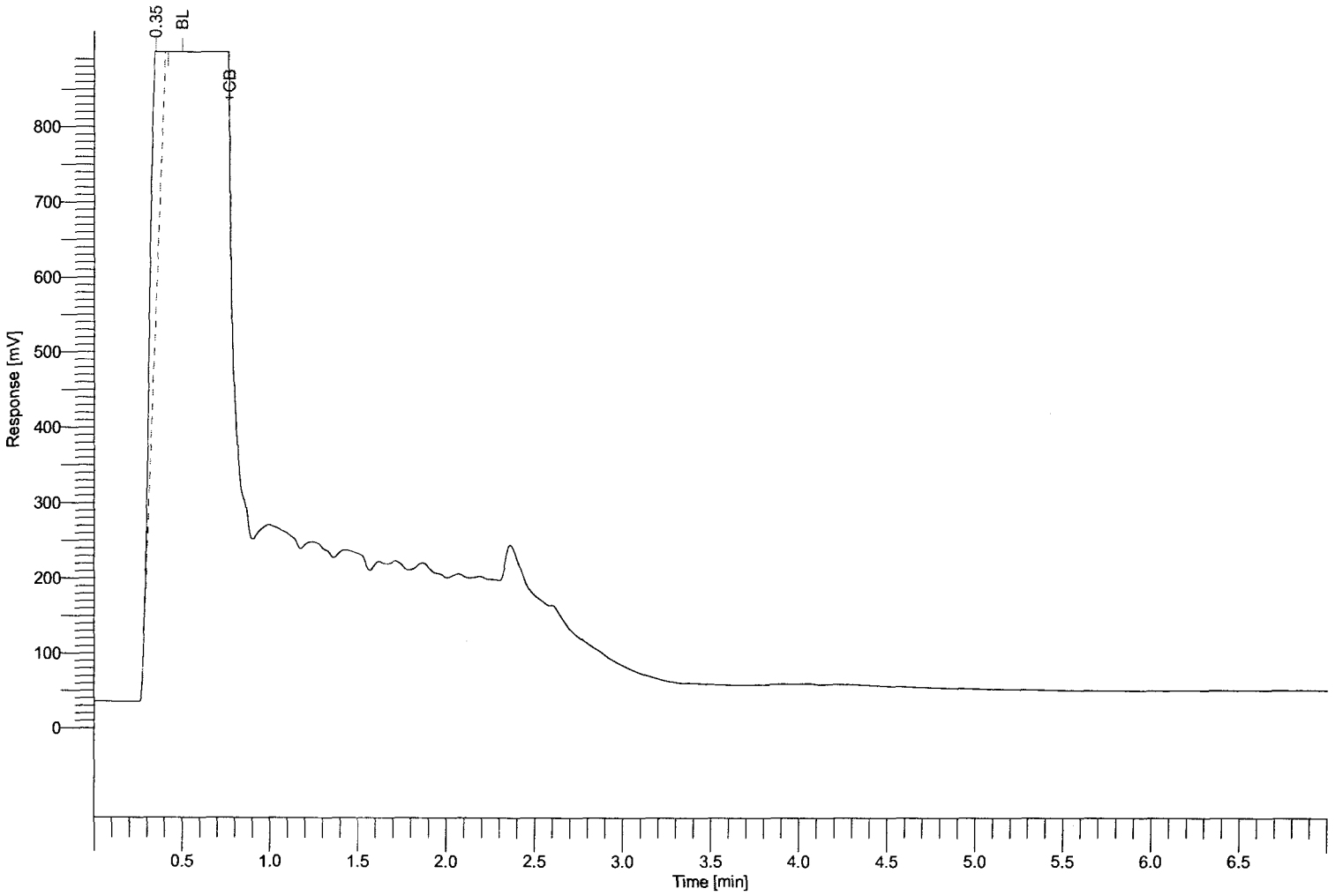


PCB Screen

Peak #	Ret Time [min]	BL	Dilution Needed	Area [uV-sec]	Component Name	NG conc.	Dilution Needed
	1.30		1	785434	AR1242	0.54795	1
	1.60		28	1264396	AR1248	14.06961	28
	2.10		122	691727	AR1254	61.17701	122
				2741557			

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 11:22:23
Reprocess Number	: buf2049: 116263		
Operator	: tchrom	Sample Name	: RTL0572-05
Sample Number	:	Study	: PCBS
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-16	Channel	: A
Interface Serial #	: 3090270361	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 07:18:29	Cycle	: 3

Raw Data File : H:\TURBO6\5890-16\16-SEQ59\16a59170.raw
Result File : H:\TURBO6\5890-16\16-SEQ59\16a59170.rst
Inst Method : H:\TURBO6\5890-16\PPCBINS from H:\TURBO6\5890-16\16-SEQ59\16a59170.raw
Proc Method : h:\turbo6\5890-16\16-a-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16a59170.rst
Calib Method : h:\turbo6\5890-16\16-a-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16a59170.rst
Report Format File: h:\turbo6\5890-16\16screen.rpt
Sequence File : H:\TURBO6\5890-16\16-SEQ59\16D59.seq

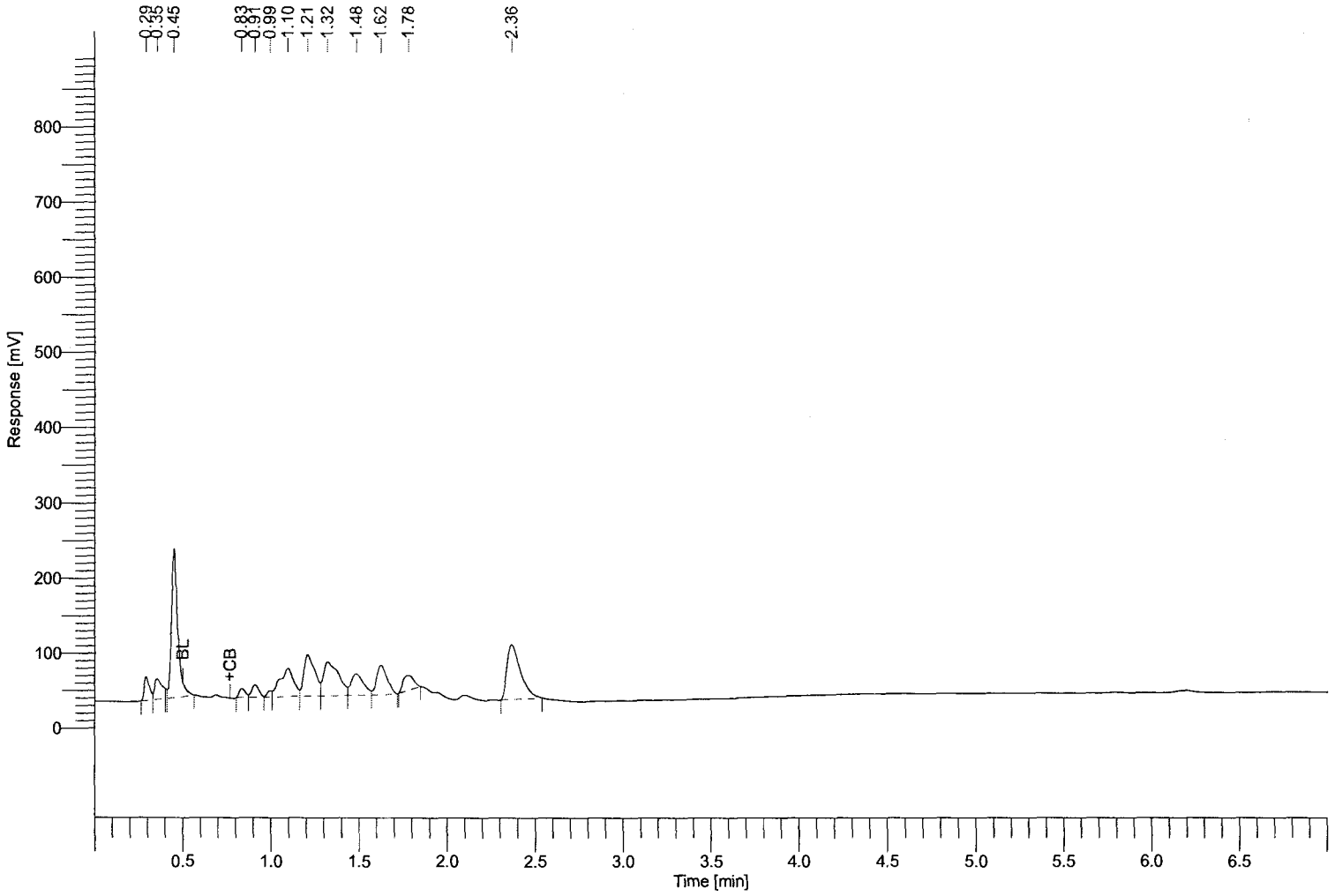


PCB Screen

No peaks available to report

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 11:22:28
Reprocess Number	: buf2049: 116265		
Operator	: tchrom	Sample Name	: RTL0572-06
Sample Number	:	Study	: PCBS
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-16	Channel	: A
Interface Serial #	: 3090270361	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 07:29:49	Cycle	: 4

Raw Data File : H:\TURBO6\5890-16\16-SEQ59\16a59171.raw
Result File : H:\TURBO6\5890-16\16-SEQ59\16a59171.rst
Inst Method : H:\TURBO6\5890-16\PPCBINS from H:\TURBO6\5890-16\16-SEQ59\16a59171.raw
Proc Method : h:\turbo6\5890-16\16-a-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16a59171.rst
Calib Method : h:\turbo6\5890-16\16-a-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16a59171.rst
Report Format File: h:\turbo6\5890-16\16screen.rpt
Sequence File : H:\TURBO6\5890-16\16-SEQ59\16D59.seq

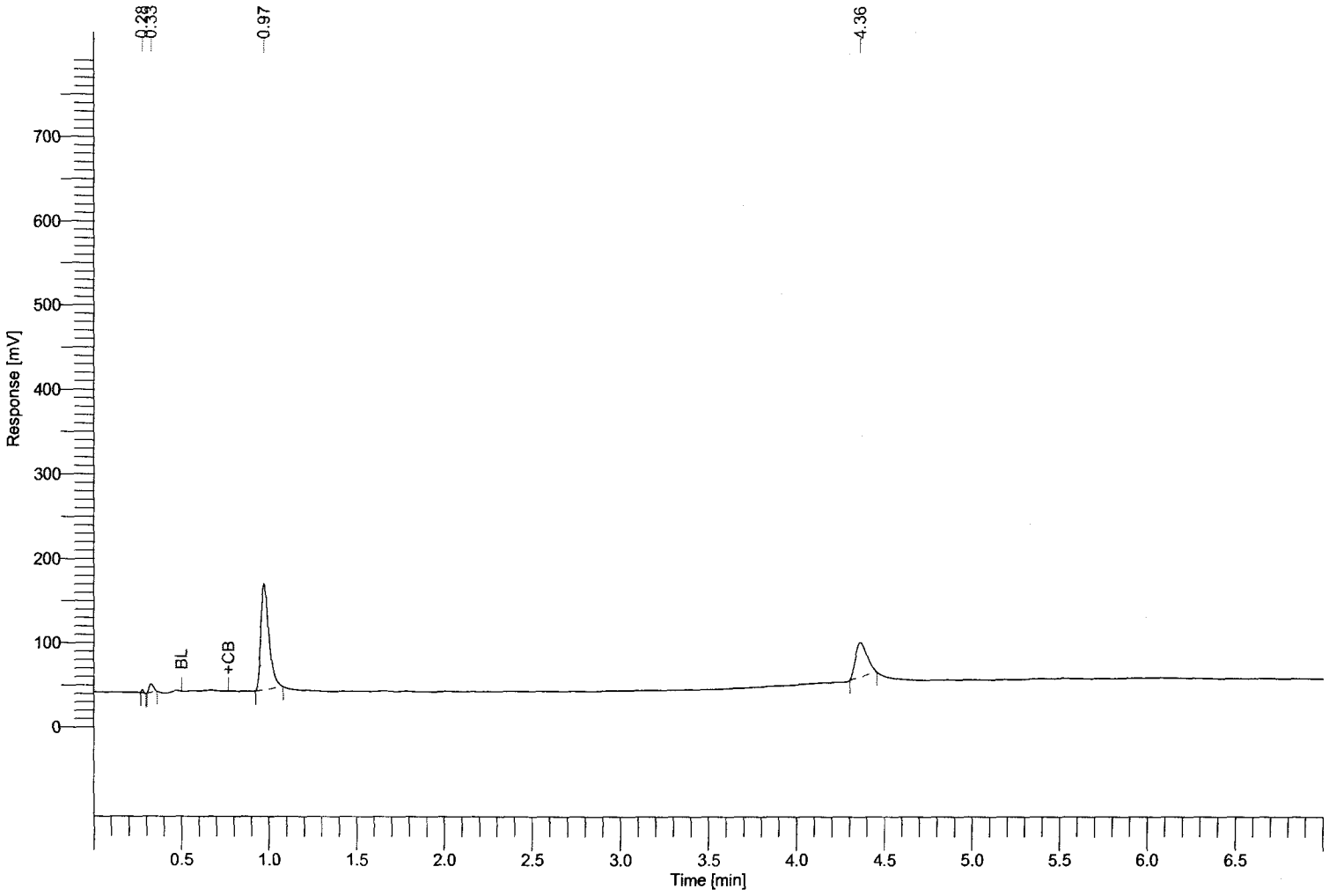


PCB Screen

Peak #	Ret Time [min]	BL	Dilution Needed	Area [uV-sec]	Component Name	NG conc.	Dilution Needed
	1.30		2	1096418	AR1242	0.76491	2
	1.65		0	912113	AR1248	0.20867	0
	2.15		1	478653	AR1254	0.44234	1
	2.65		5	393322	AR1260	2.32354	5
				2880506			

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 11:22:30
Reprocess Number	: buf2049: 116266		
Operator	: tchrom	Sample Name	: RTL0572-08
Sample Number	:	Study	: PCBS
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-16	Channel	: B
Interface Serial #	: 3090270361	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 07:29:49	Cycle	: 4

Raw Data File : H:\TURBO6\5890-16\16-SEQ59\16b59171.raw
Result File : H:\TURBO6\5890-16\16-SEQ59\16b59171.rst
Inst Method : H:\TURBO6\5890-16\PPCBINS from H:\TURBO6\5890-16\16-SEQ59\16b59171.raw
Proc Method : h:\turbo6\5890-16\16-b-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16b59171.rst
Calib Method : h:\turbo6\5890-16\16-b-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16b59171.rst
Report Format File: h:\turbo6\5890-16\16screen.rpt
Sequence File : H:\TURBO6\5890-16\16-SEQ59\16D59.seq

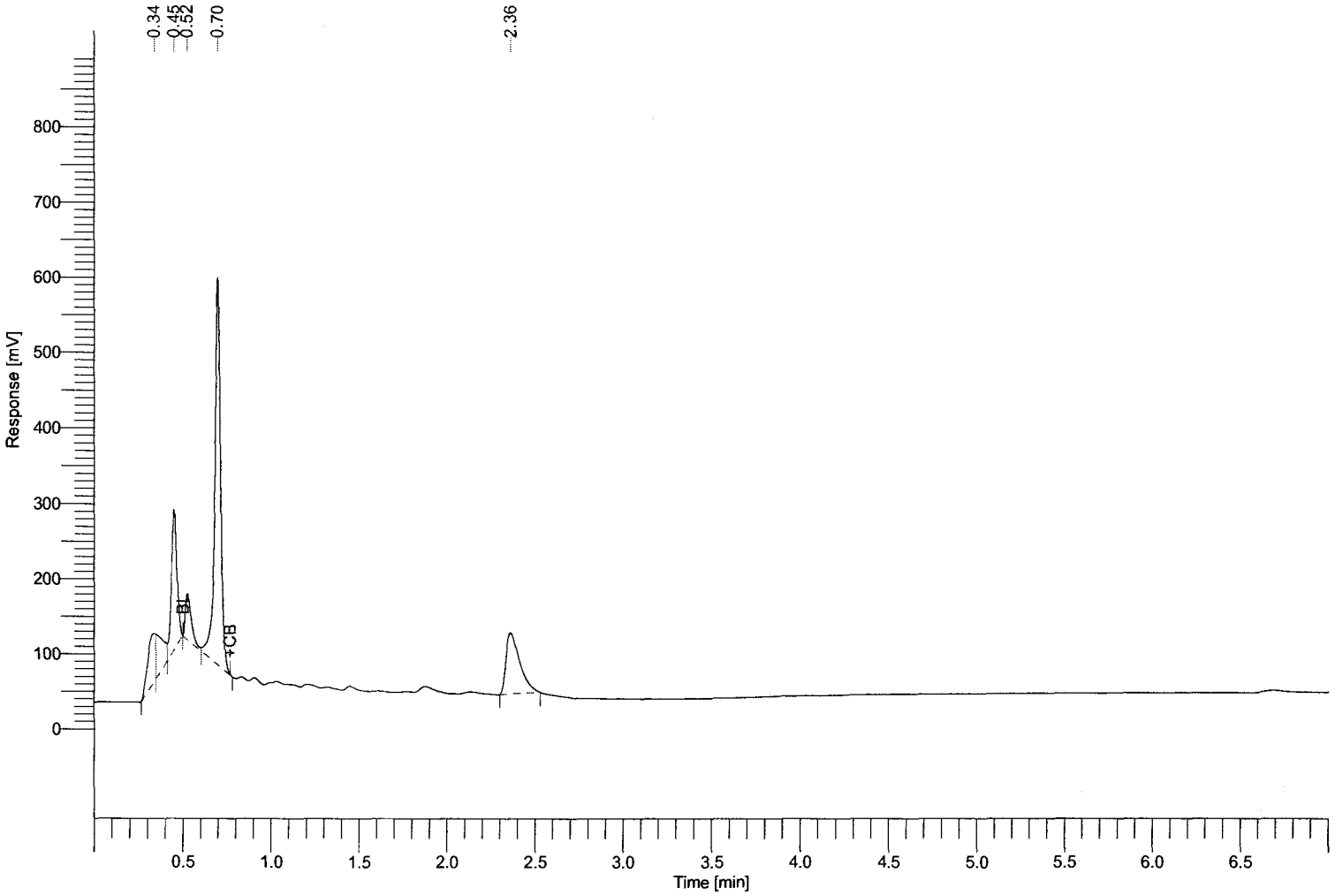


PCB Screen

Peak #	Ret Time [min]	BL	Dilution Needed	Area [uV-sec]	Component Name	NG conc.	Dilution Needed
	1.30		1	403629	AR1242	0.28159	1
				403629			

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 11:22:32
Reprocess Number	: buf2049: 116267		
Operator	: tchrom	Sample Name	: RTL0572-07
Sample Number	:	Study	: PCBS
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-16	Channel	: A
Interface Serial #	: 3090270361	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 07:40:41	Cycle	: 5

Raw Data File : H:\TURBO6\5890-16\16-SEQ59\16a59172.raw
Result File : H:\TURBO6\5890-16\16-SEQ59\16a59172.rst
Inst Method : H:\TURBO6\5890-16\PPCBINS from H:\TURBO6\5890-16\16-SEQ59\16a59172.raw
Proc Method : h:\turbo6\5890-16\16-a-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16a59172.rst
Calib Method : h:\turbo6\5890-16\16-a-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16a59172.rst
Report Format File: h:\turbo6\5890-16\16screen.rpt
Sequence File : H:\TURBO6\5890-16\16-SEQ59\16D59.seq

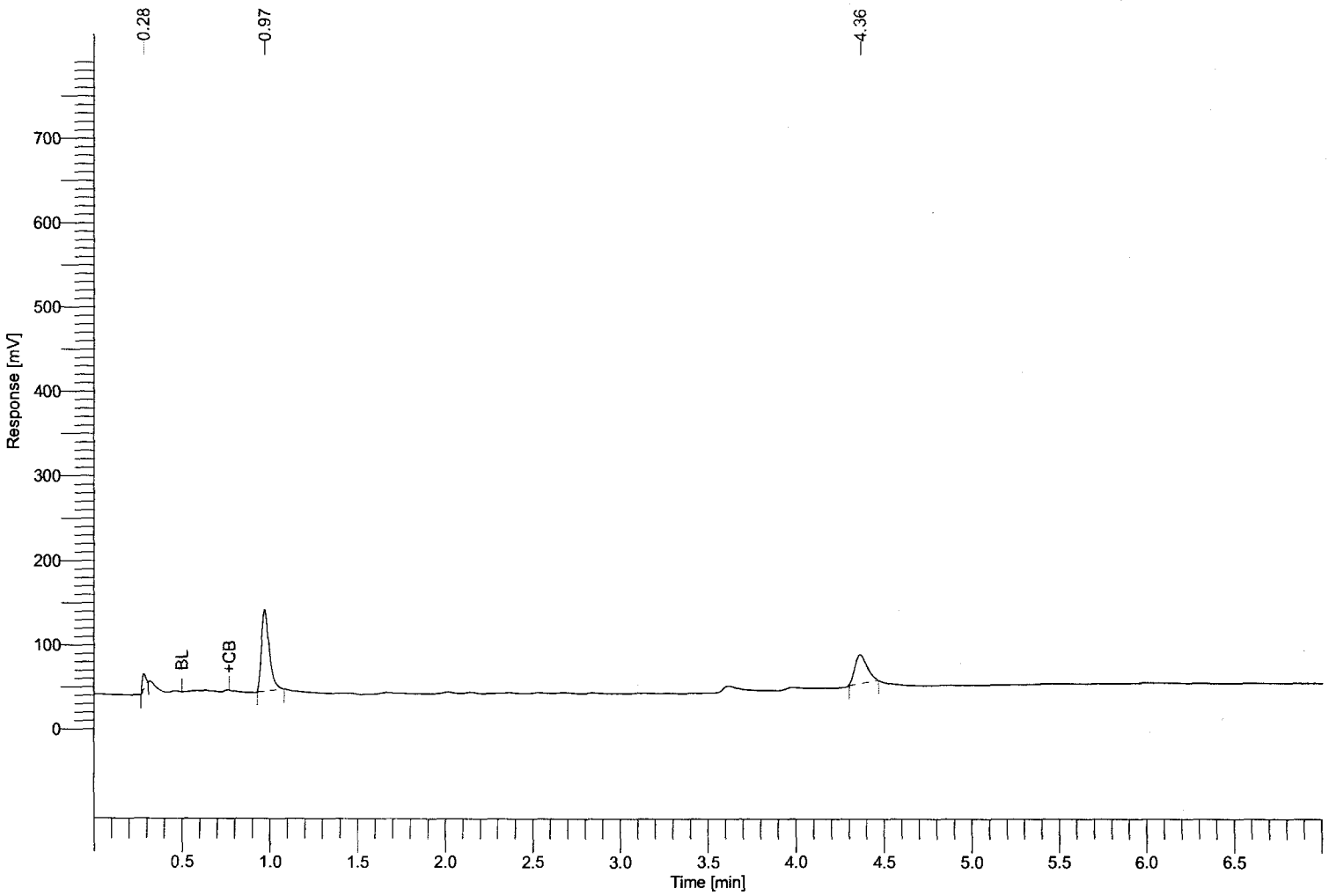


PCB Screen

Peak #	Ret Time [min]	BL	Dilution Needed	Area [uV-sec]	Component Name	NG conc.	Dilution Needed
	2.15		1	439878	AR1254	0.40651	1
	2.65		5	439878	AR1260	2.59857	5
				879756			

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 11:22:34
Reprocess Number	: buf2049: 116268		
Operator	: tchrom	Sample Name	: RTL0572-10
Sample Number	:	Study	: PCBS
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-16	Channel	: B
Interface Serial #	: 3090270361	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 07:40:41	Cycle	: 5

Raw Data File : H:\TURBO6\5890-16\16-SEQ59\16b59172.raw
Result File : H:\TURBO6\5890-16\16-SEQ59\16b59172.rst
Inst Method : H:\TURBO6\5890-16\PPCBINS from H:\TURBO6\5890-16\16-SEQ59\16b59172.raw
Proc Method : h:\turbo6\5890-16\16-b-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16b59172.rst
Calib Method : h:\turbo6\5890-16\16-b-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16b59172.rst
Report Format File: h:\turbo6\5890-16\16screen.rpt
Sequence File : H:\TURBO6\5890-16\16-SEQ59\16D59.seq

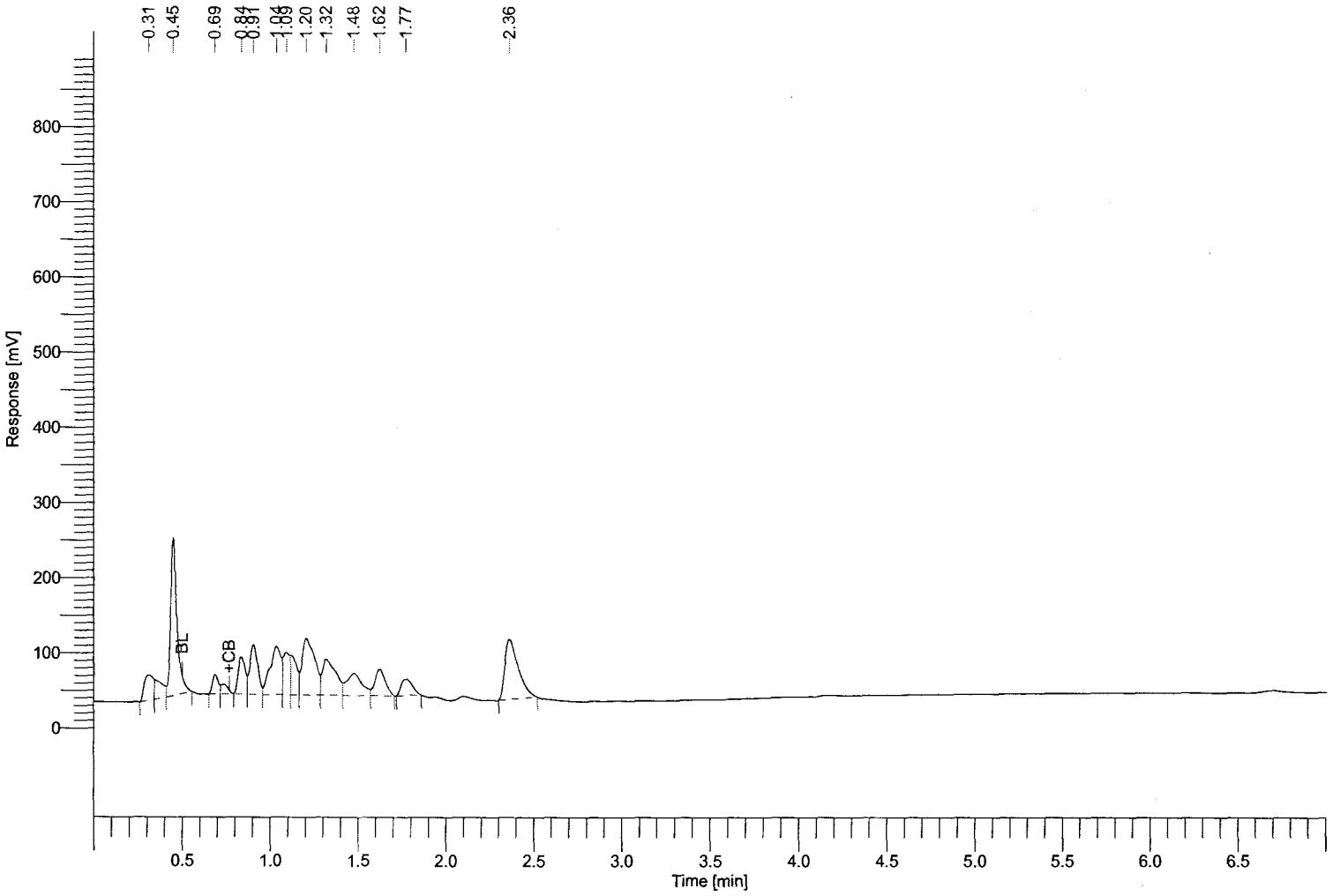


PCB Screen

Peak #	Ret Time [min]	BL	Dilution Needed	Area [uV-sec]	Component Name	NG conc.	Dilution Needed
	1.30		0	301112	AR1242	0.21007	0
				301112			

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 11:22:37
Reprocess Number	: buf2049: 116269		
Operator	: tchrom	Sample Name	: RTL0572-11
Sample Number	:	Study	: PCBS
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-16	Channel	: A
Interface Serial #	: 3090270361	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 07:52:11	Cycle	: 6

Raw Data File : H:\TURBO6\5890-16\16-SEQ59\16a59173.raw
Result File : H:\TURBO6\5890-16\16-SEQ59\16a59173.rst
Inst Method : H:\TURBO6\5890-16\PPCBINS from H:\TURBO6\5890-16\16-SEQ59\16a59173.raw
Proc Method : h:\turbo6\5890-16\16-a-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16a59173.rst
Calib Method : h:\turbo6\5890-16\16-a-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16a59173.rst
Report Format File: h:\turbo6\5890-16\16screen.rpt
Sequence File : H:\TURBO6\5890-16\16-SEQ59\16D59.seq

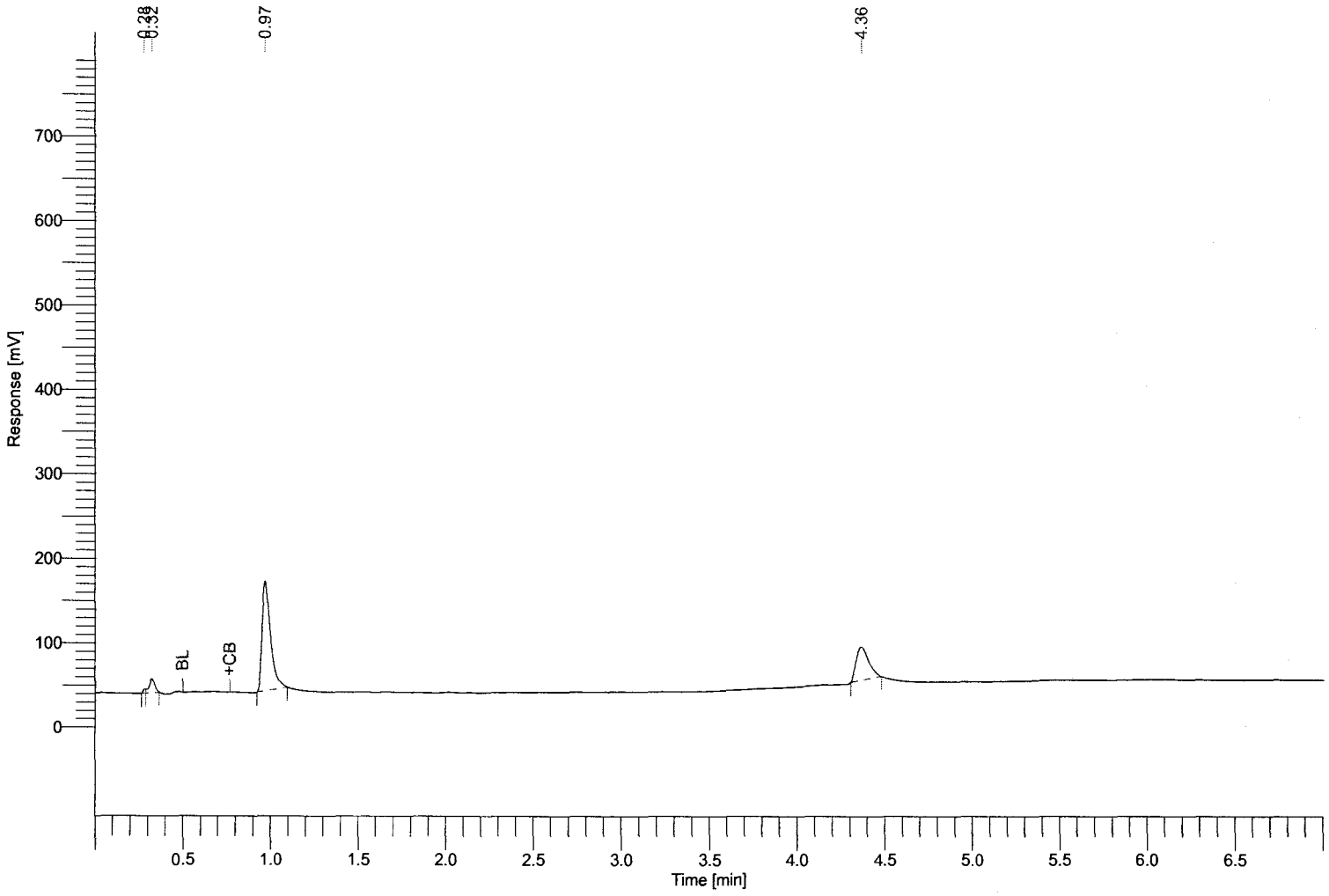


PCB Screen

Peak #	Ret Time [min]	BL	Dilution Needed	Area [uV-sec]	Component Name	NG conc.	Dilution Needed
	1.30		2	1593812	AR1242	1.11191	2
	1.65		0	1060042	AR1248	0.24251	0
	2.15		1	522298	AR1254	0.48268	1
	2.65		5	423445	AR1260	2.50149	5
				3599597			

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 11:22:39
Reprocess Number	: buf2049: 116270		
Operator	: tchrom	Sample Name	: RTL0572-12
Sample Number	:	Study	: PCBS
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-16	Channel	: B
Interface Serial #	: 3090270361	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 07:52:11	Cycle	: 6

Raw Data File : H:\TURBO6\5890-16\16-SEQ59\16b59173.raw
Result File : H:\TURBO6\5890-16\16-SEQ59\16b59173.rst
Inst Method : H:\TURBO6\5890-16\PPCBINS from H:\TURBO6\5890-16\16-SEQ59\16b59173.raw
Proc Method : h:\turbo6\5890-16\16-b-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16b59173.rst
Calib Method : h:\turbo6\5890-16\16-b-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16b59173.rst
Report Format File: h:\turbo6\5890-16\16screen.rpt
Sequence File : H:\TURBO6\5890-16\16-SEQ59\16D59.seq

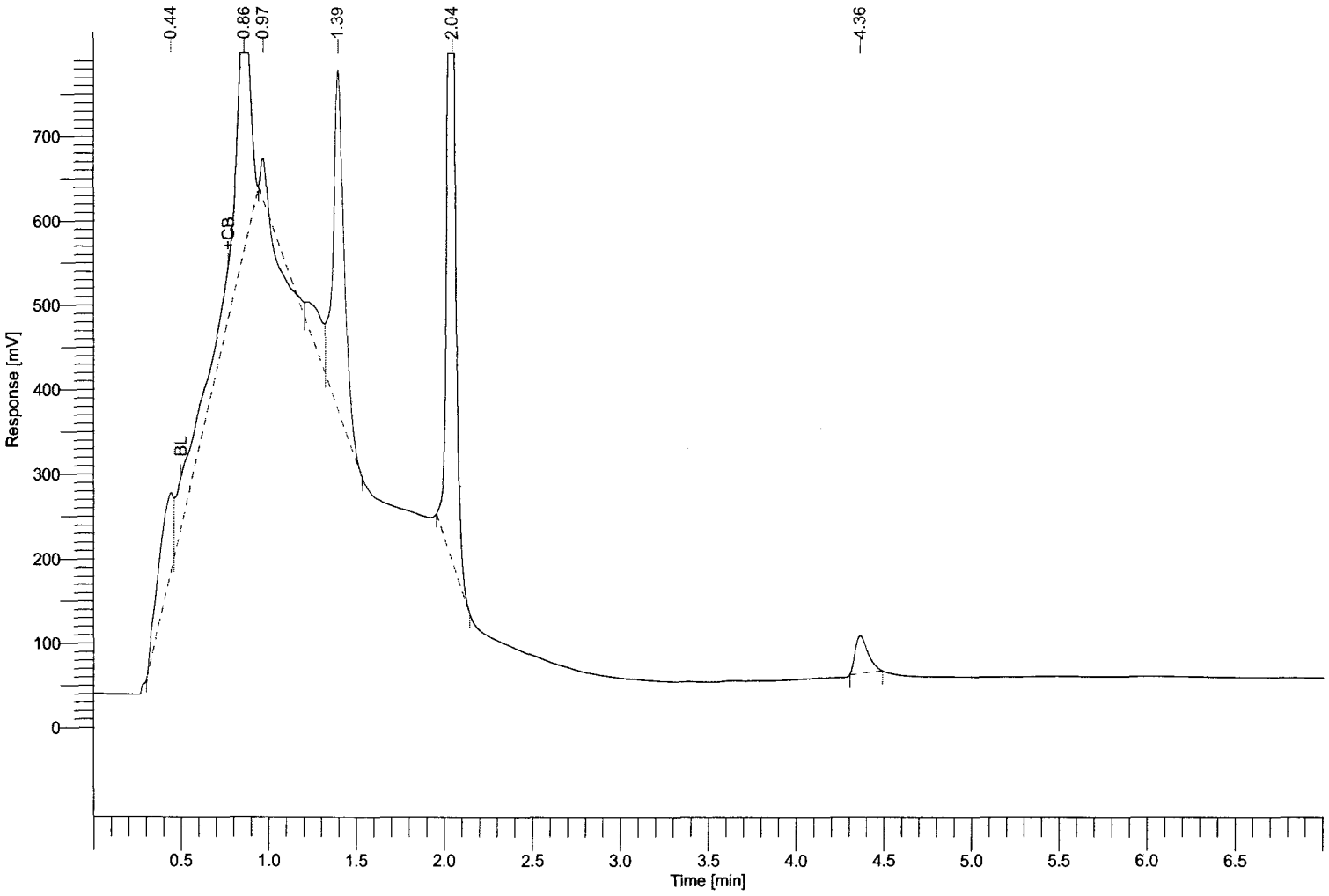


PCB Screen

Peak #	Ret Time [min]	BL	Dilution Needed	Area [uV-sec]	Component Name	NG conc.	Dilution Needed
	1.30		1	434720	AR1242	0.30328	1
				434720			

Software Version	: 6.2.1.0.104:0104	Date	: 12/08/10 11:22:42
Reprocess Number	: buf2049: 116272		
Operator	: tchrom	Sample Name	: RTL0572-13
Sample Number	:	Study	: PCBS
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: HP5890-16	Channel	: B
Interface Serial #	: 3090270361	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/10 08:03:33	Cycle	: 7

Raw Data File : H:\TURBO6\5890-16\16-SEQ59\16b59174.raw
Result File : H:\TURBO6\5890-16\16-SEQ59\16b59174.rst
Inst Method : H:\TURBO6\5890-16\PPCBINS from H:\TURBO6\5890-16\16-SEQ59\16b59174.raw
Proc Method : h:\turbo6\5890-16\16-b-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16b59174.rst
Calib Method : h:\turbo6\5890-16\16-b-screen.mth from H:\TURBO6\5890-16\16-SEQ59\16b59174.rst
Report Format File: h:\turbo6\5890-16\16screen.rpt
Sequence File : H:\TURBO6\5890-16\16-SEQ59\16D59.seq



PCB Screen

Peak #	Ret Time [min]	BL	Dilution Needed	Area [uV-sec]	Component Name	NG conc.	Dilution Needed
	1.30		3	1888007	AR1242	1.31715	3
	1.60		100	4506935	AR1248	50.15105	100
	2.10		485	2743052	AR1254	2.43e+02	485
				9137994			

TestAmerica Buffalo
SDG: RTL0572
CLASS: METALS_SEQ
METHOD: 6010B

ANALYSES DATA PACKAGE COVER PAGE

6010B

Laboratory: TestAmerica Buffalo

SDG: RTL0572

Client: PARS Environmental, Inc.

Project: NF Armed Forces Reserve Center Solids Testing

Client Sample Id:	Lab Sample Id:
SP-1-5-7	RTL0572-01
SP-2-6-8	RTL0572-02
SP-3-4-6	RTL0572-03
SP-4-2-4	RTL0572-04
SP-5-2-4	RTL0572-05
SP-6-2-4	RTL0572-06
SP-7-4-6	RTL0572-07
SP-8-4-6	RTL0572-08
SP-9-2-4	RTL0572-09
SP-10-2-4	RTL0572-10
SP-11-2-4	RTL0572-11
DUP-1	RTL0572-12
SP-12-6-10	RTL0572-13

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SP-1-5-7

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-01
File ID: I1120910A-019
Sampled: 12/06/10 09:05
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:11
Solids: 90.23
Preparation: 3050B
Initial/Final: 0.5092 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	2290	mg/kg	1	B	6010B
7440-36-0	Antimony	16.3	mg/kg	1	U	6010B
7440-38-2	Arsenic	2.0	mg/kg	1	J	6010B
7440-39-3	Barium	11.6	mg/kg	1		6010B
7440-41-7	Beryllium	0.115	mg/kg	1	J	6010B
7440-43-9	Cadmium	0.186	mg/kg	1	J	6010B
7440-70-2	Calcium	95000	mg/kg	5	BD	6010B
7440-47-3	Chromium	3.45	mg/kg	1		6010B
7440-48-4	Cobalt	2.03	mg/kg	1		6010B
7440-50-8	Copper	8.7	mg/kg	1		6010B
7439-89-6	Iron	5690	mg/kg	1	B	6010B
7439-92-1	Lead	8.0	mg/kg	1		6010B
7439-95-4	Magnesium	50500	mg/kg	5	D	6010B
7439-96-5	Manganese	298	mg/kg	1	B	6010B
7440-02-0	Nickel	5.24	mg/kg	1	J	6010B
7440-09-7	Potassium	485	mg/kg	1		6010B
7782-49-2	Selenium	4.4	mg/kg	1	U	6010B
7440-22-4	Silver	0.544	mg/kg	1	U	6010B
7440-23-5	Sodium	151	mg/kg	1	J	6010B
7440-28-0	Thallium	6.5	mg/kg	1	U	6010B
7440-62-2	Vanadium	6.11	mg/kg	1		6010B
7440-66-6	Zinc	44.6	mg/kg	1	B	6010B

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

SP-2-6-8

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-02
File ID: I1120910A-020
Sampled: 12/06/10 09:40
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:14
Solids: 80.41
Preparation: 3050B
Initial/Final: 0.5325 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	2460	mg/kg	1	B	6010B
7440-36-0	Antimony	17.5	mg/kg	1	U	6010B
7440-38-2	Arsenic	4.8	mg/kg	1		6010B
7440-39-3	Barium	14.0	mg/kg	1		6010B
7440-41-7	Beryllium	0.105	mg/kg	1	J	6010B
7440-43-9	Cadmium	0.169	mg/kg	1	J	6010B
7440-70-2	Calcium	78300	mg/kg	5	BD	6010B
7440-47-3	Chromium	7.12	mg/kg	1		6010B
7440-48-4	Cobalt	1.96	mg/kg	1		6010B
7440-50-8	Copper	6.1	mg/kg	1		6010B
7439-89-6	Iron	5360	mg/kg	1	B	6010B
7439-92-1	Lead	6.3	mg/kg	1		6010B
7439-95-4	Magnesium	31200	mg/kg	1		6010B
7439-96-5	Manganese	222	mg/kg	1	B	6010B
7440-02-0	Nickel	5.04	mg/kg	1	J	6010B
7440-09-7	Potassium	659	mg/kg	1		6010B
7782-49-2	Selenium	4.7	mg/kg	1	U	6010B
7440-22-4	Silver	0.584	mg/kg	1	U	6010B
7440-23-5	Sodium	134	mg/kg	1	J	6010B
7440-28-0	Thallium	7.0	mg/kg	1	U	6010B
7440-62-2	Vanadium	5.96	mg/kg	1		6010B
7440-66-6	Zinc	30.6	mg/kg	1	B	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SP-3-4-6

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-03
File ID: I1120910A-021
Sampled: 12/06/10 10:10
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:16
Solids: 75.17
Preparation: 3050B
Initial/Final: 0.5293 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	17600	mg/kg	1	B	6010B
7440-36-0	Antimony	18.9	mg/kg	1	U	6010B
7440-38-2	Arsenic	6.4	mg/kg	1		6010B
7440-39-3	Barium	105	mg/kg	1		6010B
7440-41-7	Beryllium	0.950	mg/kg	1		6010B
7440-43-9	Cadmium	0.221	mg/kg	1	J	6010B
7440-70-2	Calcium	16800	mg/kg	1	B	6010B
7440-47-3	Chromium	23.5	mg/kg	1		6010B
7440-48-4	Cobalt	13.8	mg/kg	1		6010B
7440-50-8	Copper	23.1	mg/kg	1		6010B
7439-89-6	Iron	26800	mg/kg	1	B	6010B
7439-92-1	Lead	13.4	mg/kg	1		6010B
7439-95-4	Magnesium	10500	mg/kg	1		6010B
7439-96-5	Manganese	291	mg/kg	1	B	6010B
7440-02-0	Nickel	33.7	mg/kg	1		6010B
7440-09-7	Potassium	1600	mg/kg	1		6010B
7782-49-2	Selenium	5.0	mg/kg	1	U	6010B
7440-22-4	Silver	0.628	mg/kg	1	U	6010B
7440-23-5	Sodium	136	mg/kg	1	J	6010B
7440-28-0	Thallium	7.5	mg/kg	1	U	6010B
7440-62-2	Vanadium	29.7	mg/kg	1		6010B
7440-66-6	Zinc	62.3	mg/kg	1	B	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SP-4-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-04
File ID: I1120910A-022
Sampled: 12/06/10 10:40
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:18
Solids: 78.21
Preparation: 3050B
Initial/Final: 0.5066 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	21200	mg/kg	1	B	6010B
7440-36-0	Antimony	18.9	mg/kg	1	U	6010B
7440-38-2	Arsenic	2.8	mg/kg	1		6010B
7440-39-3	Barium	151	mg/kg	1		6010B
7440-41-7	Beryllium	1.39	mg/kg	1		6010B
7440-43-9	Cadmium	0.109	mg/kg	1	J	6010B
7440-70-2	Calcium	2020	mg/kg	1	B	6010B
7440-47-3	Chromium	27.6	mg/kg	1		6010B
7440-48-4	Cobalt	11.5	mg/kg	1		6010B
7440-50-8	Copper	21.6	mg/kg	1		6010B
7439-89-6	Iron	31900	mg/kg	1	B	6010B
7439-92-1	Lead	15.0	mg/kg	1		6010B
7439-95-4	Magnesium	8210	mg/kg	1		6010B
7439-96-5	Manganese	186	mg/kg	1	B	6010B
7440-02-0	Nickel	33.2	mg/kg	1		6010B
7440-09-7	Potassium	1770	mg/kg	1		6010B
7782-49-2	Selenium	5.0	mg/kg	1	U	6010B
7440-22-4	Silver	0.631	mg/kg	1	U	6010B
7440-23-5	Sodium	298	mg/kg	1		6010B
7440-28-0	Thallium	7.6	mg/kg	1	U	6010B
7440-62-2	Vanadium	33.9	mg/kg	1		6010B
7440-66-6	Zinc	72.0	mg/kg	1	B	6010B

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

SP-5-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-05
File ID: I1120910A-023
Sampled: 12/06/10 11:50
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:20
Solids: 59.79
Preparation: 3050B
Initial/Final: 0.5077 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	27600	mg/kg	1	B	6010B
7440-36-0	Antimony	24.7	mg/kg	1	U	6010B
7440-38-2	Arsenic	7.1	mg/kg	1		6010B
7440-39-3	Barium	171	mg/kg	1		6010B
7440-41-7	Beryllium	1.95	mg/kg	1		6010B
7440-43-9	Cadmium	0.156	mg/kg	1	J	6010B
7440-70-2	Calcium	2090	mg/kg	1	B	6010B
7440-47-3	Chromium	38.0	mg/kg	1		6010B
7440-48-4	Cobalt	26.8	mg/kg	1		6010B
7440-50-8	Copper	34.3	mg/kg	1		6010B
7439-89-6	Iron	44600	mg/kg	1	B	6010B
7439-92-1	Lead	14.9	mg/kg	1		6010B
7439-95-4	Magnesium	9580	mg/kg	1		6010B
7439-96-5	Manganese	476	mg/kg	1	B	6010B
7440-02-0	Nickel	48.8	mg/kg	1		6010B
7440-09-7	Potassium	2450	mg/kg	1		6010B
7782-49-2	Selenium	6.6	mg/kg	1	U	6010B
7440-22-4	Silver	0.824	mg/kg	1	U	6010B
7440-23-5	Sodium	347	mg/kg	1		6010B
7440-28-0	Thallium	9.9	mg/kg	1	U	6010B
7440-62-2	Vanadium	47.4	mg/kg	1		6010B
7440-66-6	Zinc	100	mg/kg	1	B	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SP-6-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-06
File ID: I1120910A-024
Sampled: 12/06/10 12:20
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:22
Solids: 72.48
Preparation: 3050B
Initial/Final: 0.528 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	21000	mg/kg	1	B	6010B
7440-36-0	Antimony	1.0	mg/kg	1	J	6010B
7440-38-2	Arsenic	5.7	mg/kg	1		6010B
7440-39-3	Barium	130	mg/kg	1		6010B
7440-41-7	Beryllium	1.14	mg/kg	1		6010B
7440-43-9	Cadmium	0.251	mg/kg	1	J	6010B
7440-70-2	Calcium	5850	mg/kg	1	B	6010B
7440-47-3	Chromium	29.8	mg/kg	1		6010B
7440-48-4	Cobalt	14.6	mg/kg	1		6010B
7440-50-8	Copper	22.4	mg/kg	1		6010B
7439-89-6	Iron	37900	mg/kg	1	B	6010B
7439-92-1	Lead	17.8	mg/kg	1		6010B
7439-95-4	Magnesium	8000	mg/kg	1		6010B
7439-96-5	Manganese	266	mg/kg	1	B	6010B
7440-02-0	Nickel	34.3	mg/kg	1		6010B
7440-09-7	Potassium	2040	mg/kg	1		6010B
7782-49-2	Selenium	5.2	mg/kg	1	U	6010B
7440-22-4	Silver	0.653	mg/kg	1	U	6010B
7440-23-5	Sodium	141	mg/kg	1	J	6010B
7440-28-0	Thallium	7.8	mg/kg	1	U	6010B
7440-62-2	Vanadium	39.6	mg/kg	1		6010B
7440-66-6	Zinc	84.5	mg/kg	1	B	6010B

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

SP-7-4-6

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-07
File ID: I1120910A-025
Sampled: 12/06/10 12:40
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:24
Solids: 78.89
Preparation: 3050B
Initial/Final: 0.539 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	20500	mg/kg	1	B	6010B
7440-36-0	Antimony	17.6	mg/kg	1	U	6010B
7440-38-2	Arsenic	7.6	mg/kg	1		6010B
7440-39-3	Barium	179	mg/kg	1		6010B
7440-41-7	Beryllium	1.12	mg/kg	1		6010B
7440-43-9	Cadmium	0.185	mg/kg	1	J	6010B
7440-70-2	Calcium	10700	mg/kg	1	B	6010B
7440-47-3	Chromium	29.5	mg/kg	1		6010B
7440-48-4	Cobalt	18.2	mg/kg	1		6010B
7440-50-8	Copper	33.0	mg/kg	1		6010B
7439-89-6	Iron	35300	mg/kg	1	B	6010B
7439-92-1	Lead	14.4	mg/kg	1		6010B
7439-95-4	Magnesium	14800	mg/kg	1		6010B
7439-96-5	Manganese	2470	mg/kg	5	BD	6010B
7440-02-0	Nickel	42.4	mg/kg	1		6010B
7440-09-7	Potassium	1980	mg/kg	1		6010B
7782-49-2	Selenium	4.7	mg/kg	1	U	6010B
7440-22-4	Silver	0.588	mg/kg	1	U	6010B
7440-23-5	Sodium	294	mg/kg	1		6010B
7440-28-0	Thallium	7.1	mg/kg	1	U	6010B
7440-62-2	Vanadium	38.7	mg/kg	1		6010B
7440-66-6	Zinc	69.5	mg/kg	1	B	6010B

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

SP-8-4-6

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-08
File ID: I1120910A-026
Sampled: 12/06/10 13:00
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:27
Solids: 81.04
Preparation: 3050B
Initial/Final: 0.5164 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	17400	mg/kg	1	B	6010B
7440-36-0	Antimony	17.9	mg/kg	1	U	6010B
7440-38-2	Arsenic	5.7	mg/kg	1		6010B
7440-39-3	Barium	41.2	mg/kg	1		6010B
7440-41-7	Beryllium	0.903	mg/kg	1		6010B
7440-43-9	Cadmium	0.182	mg/kg	1	J	6010B
7440-70-2	Calcium	49300	mg/kg	1	B	6010B
7440-47-3	Chromium	24.1	mg/kg	1		6010B
7440-48-4	Cobalt	13.3	mg/kg	1		6010B
7440-50-8	Copper	24.7	mg/kg	1		6010B
7439-89-6	Iron	29300	mg/kg	1	B	6010B
7439-92-1	Lead	9.7	mg/kg	1		6010B
7439-95-4	Magnesium	14000	mg/kg	1		6010B
7439-96-5	Manganese	475	mg/kg	1	B	6010B
7440-02-0	Nickel	34.6	mg/kg	1		6010B
7440-09-7	Potassium	2260	mg/kg	1		6010B
7782-49-2	Selenium	4.8	mg/kg	1	U	6010B
7440-22-4	Silver	0.597	mg/kg	1	U	6010B
7440-23-5	Sodium	322	mg/kg	1		6010B
7440-28-0	Thallium	7.2	mg/kg	1	U	6010B
7440-62-2	Vanadium	32.1	mg/kg	1		6010B
7440-66-6	Zinc	61.7	mg/kg	1	B	6010B

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

SP-9-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-09
File ID: I1120910A-029
Sampled: 12/06/10 13:40
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:33
Solids: 77.64
Preparation: 3050B
Initial/Final: 0.5258 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	23500	mg/kg	1	B	6010B
7440-36-0	Antimony	18.4	mg/kg	1	U	6010B
7440-38-2	Arsenic	3.4	mg/kg	1		6010B
7440-39-3	Barium	106	mg/kg	1		6010B
7440-41-7	Beryllium	1.15	mg/kg	1		6010B
7440-43-9	Cadmium	0.153	mg/kg	1	J	6010B
7440-70-2	Calcium	1570	mg/kg	1	B	6010B
7440-47-3	Chromium	30.8	mg/kg	1		6010B
7440-48-4	Cobalt	23.1	mg/kg	1		6010B
7440-50-8	Copper	30.7	mg/kg	1		6010B
7439-89-6	Iron	31600	mg/kg	1	B	6010B
7439-92-1	Lead	7.5	mg/kg	1		6010B
7439-95-4	Magnesium	8100	mg/kg	1		6010B
7439-96-5	Manganese	432	mg/kg	1	B	6010B
7440-02-0	Nickel	37.7	mg/kg	1		6010B
7440-09-7	Potassium	1700	mg/kg	1		6010B
7782-49-2	Selenium	4.9	mg/kg	1	U	6010B
7440-22-4	Silver	0.612	mg/kg	1	U	6010B
7440-23-5	Sodium	150	mg/kg	1	J	6010B
7440-28-0	Thallium	7.3	mg/kg	1	U	6010B
7440-62-2	Vanadium	32.3	mg/kg	1		6010B
7440-66-6	Zinc	74.0	mg/kg	1	B	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SP-10-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-10
File ID: I1120910A-030
Sampled: 12/06/10 14:15
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:35
Solids: 79.40
Preparation: 3050B
Initial/Final: 0.522 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	9870	mg/kg	1	B	6010B
7440-36-0	Antimony	18.1	mg/kg	1	U	6010B
7440-38-2	Arsenic	1.9	mg/kg	1	J	6010B
7440-39-3	Barium	71.9	mg/kg	1		6010B
7440-41-7	Beryllium	0.456	mg/kg	1		6010B
7440-43-9	Cadmium	0.157	mg/kg	1	J	6010B
7440-70-2	Calcium	3040	mg/kg	1	B	6010B
7440-47-3	Chromium	11.2	mg/kg	1		6010B
7440-48-4	Cobalt	2.40	mg/kg	1		6010B
7440-50-8	Copper	7.1	mg/kg	1		6010B
7439-89-6	Iron	8600	mg/kg	1	B	6010B
7439-92-1	Lead	11.7	mg/kg	1		6010B
7439-95-4	Magnesium	2130	mg/kg	1		6010B
7439-96-5	Manganese	84.0	mg/kg	1	B	6010B
7440-02-0	Nickel	9.53	mg/kg	1		6010B
7440-09-7	Potassium	1240	mg/kg	1		6010B
7782-49-2	Selenium	4.8	mg/kg	1	U	6010B
7440-22-4	Silver	0.603	mg/kg	1	U	6010B
7440-23-5	Sodium	111	mg/kg	1	J	6010B
7440-28-0	Thallium	7.2	mg/kg	1	U	6010B
7440-62-2	Vanadium	9.58	mg/kg	1		6010B
7440-66-6	Zinc	30.1	mg/kg	1	B	6010B

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

SP-11-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-11
File ID: I1120910A-031
Sampled: 12/06/10 14:35
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:37
Solids: 75.57
Preparation: 3050B
Initial/Final: 0.5129 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	13600	mg/kg	1	B	6010B
7440-36-0	Antimony	19.4	mg/kg	1	U	6010B
7440-38-2	Arsenic	2.1	mg/kg	1	J	6010B
7440-39-3	Barium	84.2	mg/kg	1		6010B
7440-41-7	Beryllium	0.583	mg/kg	1		6010B
7440-43-9	Cadmium	0.169	mg/kg	1	J	6010B
7440-70-2	Calcium	4300	mg/kg	1	B	6010B
7440-47-3	Chromium	15.0	mg/kg	1		6010B
7440-48-4	Cobalt	3.28	mg/kg	1		6010B
7440-50-8	Copper	7.3	mg/kg	1		6010B
7439-89-6	Iron	16100	mg/kg	1	B	6010B
7439-92-1	Lead	8.5	mg/kg	1		6010B
7439-95-4	Magnesium	2850	mg/kg	1		6010B
7439-96-5	Manganese	162	mg/kg	1	B	6010B
7440-02-0	Nickel	11.5	mg/kg	1		6010B
7440-09-7	Potassium	1460	mg/kg	1		6010B
7782-49-2	Selenium	5.2	mg/kg	1	U	6010B
7440-22-4	Silver	0.645	mg/kg	1	U	6010B
7440-23-5	Sodium	112	mg/kg	1	J	6010B
7440-28-0	Thallium	7.7	mg/kg	1	U	6010B
7440-62-2	Vanadium	12.5	mg/kg	1		6010B
7440-66-6	Zinc	35.9	mg/kg	1	B	6010B

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

DUP-1

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-12
File ID: I1120910A-032
Sampled: 12/06/10 00:00
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:39
Solids: 91.02
Preparation: 3050B
Initial/Final: 0.5008 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	15300	mg/kg	1	B	6010B
7440-36-0	Antimony	16.5	mg/kg	1	U	6010B
7440-38-2	Arsenic	3.7	mg/kg	1		6010B
7440-39-3	Barium	89.4	mg/kg	1		6010B
7440-41-7	Beryllium	0.771	mg/kg	1		6010B
7440-43-9	Cadmium	0.151	mg/kg	1	J	6010B
7440-70-2	Calcium	44100	mg/kg	1	B	6010B
7440-47-3	Chromium	22.0	mg/kg	1		6010B
7440-48-4	Cobalt	14.3	mg/kg	1		6010B
7440-50-8	Copper	21.1	mg/kg	1		6010B
7439-89-6	Iron	25100	mg/kg	1	B	6010B
7439-92-1	Lead	8.0	mg/kg	1		6010B
7439-95-4	Magnesium	12200	mg/kg	1		6010B
7439-96-5	Manganese	587	mg/kg	1	B	6010B
7440-02-0	Nickel	33.3	mg/kg	1		6010B
7440-09-7	Potassium	2240	mg/kg	1		6010B
7782-49-2	Selenium	4.4	mg/kg	1	U	6010B
7440-22-4	Silver	0.548	mg/kg	1	U	6010B
7440-23-5	Sodium	278	mg/kg	1		6010B
7440-28-0	Thallium	6.6	mg/kg	1	U	6010B
7440-62-2	Vanadium	26.8	mg/kg	1		6010B
7440-66-6	Zinc	56.6	mg/kg	1	B	6010B

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

SP-12-6-10

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-13
File ID: I1120910A-033
Sampled: 12/06/10 15:20
Prepared: 12/08/10 12:20
Analyzed: 12/09/10 10:42
Solids: 72.68
Preparation: 3050B
Initial/Final: 0.5101 g / 50 mL
Batch: 10L0535
Sequence: T005697
Calibration: R10L061
Instrument: ICAP 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	21100	mg/kg	1	B	6010B
7440-36-0	Antimony	20.2	mg/kg	1	U	6010B
7440-38-2	Arsenic	4.8	mg/kg	1		6010B
7440-39-3	Barium	152	mg/kg	1		6010B
7440-41-7	Beryllium	1.27	mg/kg	1		6010B
7440-43-9	Cadmium	0.146	mg/kg	1	J	6010B
7440-70-2	Calcium	18900	mg/kg	1	B	6010B
7440-47-3	Chromium	29.8	mg/kg	1		6010B
7440-48-4	Cobalt	19.3	mg/kg	1		6010B
7440-50-8	Copper	30.4	mg/kg	1		6010B
7439-89-6	Iron	34500	mg/kg	1	B	6010B
7439-92-1	Lead	16.6	mg/kg	1		6010B
7439-95-4	Magnesium	10800	mg/kg	1		6010B
7439-96-5	Manganese	782	mg/kg	1	B	6010B
7440-02-0	Nickel	42.8	mg/kg	1		6010B
7440-09-7	Potassium	2180	mg/kg	1		6010B
7782-49-2	Selenium	5.4	mg/kg	1	U	6010B
7440-22-4	Silver	0.674	mg/kg	1	U	6010B
7440-23-5	Sodium	341	mg/kg	1		6010B
7440-28-0	Thallium	8.1	mg/kg	1	U	6010B
7440-62-2	Vanadium	38.1	mg/kg	1		6010B
7440-66-6	Zinc	72.1	mg/kg	1	B	6010B

Form 2
INITIAL AND CONTINUING CALIBRATION CHECK
6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Instrument ID: ICAP 1
Calibration: R10L061
Control Limt: +/- 10.00%
Sequence: T005697

Lab Sample ID	Analyte	True	Found	Units	%R	Limits	Method	Analyzed
T005697-ICV1	Aluminum	18.8	19.0	mg/L	101	90 - 110	6010B	12/9/10 9:42
	Antimony	0.375	0.406	mg/L	108	90 - 110	6010B	12/9/10 9:42
	Arsenic	0.375	0.380	mg/L	101	90 - 110	6010B	12/9/10 9:42
	Barium	0.375	0.375	mg/L	100	90 - 110	6010B	12/9/10 9:42
	Beryllium	0.375	0.378	mg/L	101	90 - 110	6010B	12/9/10 9:42
	Cadmium	0.375	0.377	mg/L	101	90 - 110	6010B	12/9/10 9:42
	Calcium	18.8	18.9	mg/L	101	90 - 110	6010B	12/9/10 9:42
	Chromium	0.375	0.382	mg/L	102	90 - 110	6010B	12/9/10 9:42
	Cobalt	0.375	0.373	mg/L	99	90 - 110	6010B	12/9/10 9:42
	Copper	0.375	0.377	mg/L	101	90 - 110	6010B	12/9/10 9:42
	Iron	18.8	19.2	mg/L	102	90 - 110	6010B	12/9/10 9:42
	Lead	0.375	0.378	mg/L	101	90 - 110	6010B	12/9/10 9:42
	Magnesium	18.8	19.4	mg/L	103	90 - 110	6010B	12/9/10 9:42
	Manganese	0.375	0.384	mg/L	102	90 - 110	6010B	12/9/10 9:42
	Nickel	0.375	0.375	mg/L	100	90 - 110	6010B	12/9/10 9:42
	Potassium	18.8	18.6	mg/L	99	90 - 110	6010B	12/9/10 9:42
	Selenium	0.375	0.380	mg/L	101	90 - 110	6010B	12/9/10 9:42
	Silver	0.375	0.370	mg/L	99	90 - 110	6010B	12/9/10 9:42
	Sodium	18.8	18.6	mg/L	99	90 - 110	6010B	12/9/10 9:42
	Thallium	0.375	0.374	mg/L	100	90 - 110	6010B	12/9/10 9:42
	Vanadium	0.375	0.366	mg/L	98	90 - 110	6010B	12/9/10 9:42
	Zinc	0.375	0.384	mg/L	102	90 - 110	6010B	12/9/10 9:42
T005697-CCV1	Aluminum	25.0	25.7	mg/L	103	90 - 110	6010B	12/9/10 9:52
	Antimony	0.500	0.512	mg/L	102	90 - 110	6010B	12/9/10 9:52
	Arsenic	0.500	0.499	mg/L	100	90 - 110	6010B	12/9/10 9:52
	Barium	0.500	0.509	mg/L	102	90 - 110	6010B	12/9/10 9:52
	Beryllium	0.500	0.507	mg/L	101	90 - 110	6010B	12/9/10 9:52
	Cadmium	0.500	0.502	mg/L	100	90 - 110	6010B	12/9/10 9:52
	Calcium	25.0	25.6	mg/L	103	90 - 110	6010B	12/9/10 9:52
	Chromium	0.500	0.512	mg/L	102	90 - 110	6010B	12/9/10 9:52
	Cobalt	0.500	0.494	mg/L	99	90 - 110	6010B	12/9/10 9:52
	Copper	0.500	0.514	mg/L	103	90 - 110	6010B	12/9/10 9:52
	Iron	25.0	25.7	mg/L	103	90 - 110	6010B	12/9/10 9:52
	Lead	0.500	0.497	mg/L	99	90 - 110	6010B	12/9/10 9:52
	Magnesium	25.0	25.5	mg/L	102	90 - 110	6010B	12/9/10 9:52
	Manganese	0.500	0.511	mg/L	102	90 - 110	6010B	12/9/10 9:52
	Nickel	0.500	0.496	mg/L	99	90 - 110	6010B	12/9/10 9:52
	Potassium	25.0	25.2	mg/L	101	90 - 110	6010B	12/9/10 9:52
	Selenium	0.500	0.498	mg/L	100	90 - 110	6010B	12/9/10 9:52
	Silver	0.500	0.505	mg/L	101	90 - 110	6010B	12/9/10 9:52
	Sodium	25.0	25.4	mg/L	101	90 - 110	6010B	12/9/10 9:52
	Thallium	0.500	0.496	mg/L	99	90 - 110	6010B	12/9/10 9:52
	Vanadium	0.500	0.499	mg/L	100	90 - 110	6010B	12/9/10 9:52
	Zinc	0.500	0.509	mg/L	102	90 - 110	6010B	12/9/10 9:52
T005697-CCV2	Aluminum	25.0	24.3	mg/L	97	90 - 110	6010B	12/9/10 10:03
	Antimony	0.500	0.515	mg/L	103	90 - 110	6010B	12/9/10 10:03
	Arsenic	0.500	0.507	mg/L	101	90 - 110	6010B	12/9/10 10:03
	Barium	0.500	0.483	mg/L	97	90 - 110	6010B	12/9/10 10:03
	Beryllium	0.500	0.503	mg/L	101	90 - 110	6010B	12/9/10 10:03
	Cadmium	0.500	0.509	mg/L	102	90 - 110	6010B	12/9/10 10:03

Form Rev: 9/21/10
Printed: 12/16/2010

Form 2
INITIAL AND CONTINUING CALIBRATION CHECK
6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Instrument ID: ICAP 1
Calibration: R10L061
Control Limt: +/- 10.00%
Sequence: T005697

Lab Sample ID	Analyte	True	Found	Units	%R	Limits	Method	Analyzed
T005697-CCV2	Calcium	25.0	24.4	mg/L	97	90 - 110	6010B	12/9/10 10:03
	Chromium	0.500	0.505	mg/L	101	90 - 110	6010B	12/9/10 10:03
	Cobalt	0.500	0.499	mg/L	100	90 - 110	6010B	12/9/10 10:03
	Copper	0.500	0.502	mg/L	100	90 - 110	6010B	12/9/10 10:03
	Iron	25.0	25.4	mg/L	102	90 - 110	6010B	12/9/10 10:03
	Lead	0.500	0.503	mg/L	101	90 - 110	6010B	12/9/10 10:03
	Magnesium	25.0	25.9	mg/L	104	90 - 110	6010B	12/9/10 10:03
	Manganese	0.500	0.516	mg/L	103	90 - 110	6010B	12/9/10 10:03
	Nickel	0.500	0.509	mg/L	102	90 - 110	6010B	12/9/10 10:03
	Potassium	25.0	24.7	mg/L	99	90 - 110	6010B	12/9/10 10:03
	Selenium	0.500	0.508	mg/L	102	90 - 110	6010B	12/9/10 10:03
	Silver	0.500	0.486	mg/L	97	90 - 110	6010B	12/9/10 10:03
	Sodium	25.0	24.6	mg/L	98	90 - 110	6010B	12/9/10 10:03
	Thallium	0.500	0.506	mg/L	101	90 - 110	6010B	12/9/10 10:03
	Vanadium	0.500	0.481	mg/L	96	90 - 110	6010B	12/9/10 10:03
	Zinc	0.500	0.504	mg/L	101	90 - 110	6010B	12/9/10 10:03
T005697-CCV3	Aluminum	25.0	24.7	mg/L	99	90 - 110	6010B	12/9/10 10:29
	Antimony	0.500	0.511	mg/L	102	90 - 110	6010B	12/9/10 10:29
	Arsenic	0.500	0.504	mg/L	101	90 - 110	6010B	12/9/10 10:29
	Barium	0.500	0.493	mg/L	99	90 - 110	6010B	12/9/10 10:29
	Beryllium	0.500	0.499	mg/L	100	90 - 110	6010B	12/9/10 10:29
	Cadmium	0.500	0.507	mg/L	101	90 - 110	6010B	12/9/10 10:29
	Calcium	25.0	24.8	mg/L	99	90 - 110	6010B	12/9/10 10:29
	Chromium	0.500	0.505	mg/L	101	90 - 110	6010B	12/9/10 10:29
	Cobalt	0.500	0.497	mg/L	99	90 - 110	6010B	12/9/10 10:29
	Copper	0.500	0.501	mg/L	100	90 - 110	6010B	12/9/10 10:29
	Iron	25.0	25.2	mg/L	101	90 - 110	6010B	12/9/10 10:29
	Lead	0.500	0.503	mg/L	101	90 - 110	6010B	12/9/10 10:29
	Magnesium	25.0	25.7	mg/L	103	90 - 110	6010B	12/9/10 10:29
	Manganese	0.500	0.514	mg/L	103	90 - 110	6010B	12/9/10 10:29
	Nickel	0.500	0.500	mg/L	100	90 - 110	6010B	12/9/10 10:29
	Potassium	25.0	24.9	mg/L	100	90 - 110	6010B	12/9/10 10:29
	Selenium	0.500	0.509	mg/L	102	90 - 110	6010B	12/9/10 10:29
	Silver	0.500	0.490	mg/L	98	90 - 110	6010B	12/9/10 10:29
	Sodium	25.0	24.9	mg/L	100	90 - 110	6010B	12/9/10 10:29
	Thallium	0.500	0.502	mg/L	100	90 - 110	6010B	12/9/10 10:29
	Vanadium	0.500	0.484	mg/L	97	90 - 110	6010B	12/9/10 10:29
	Zinc	0.500	0.502	mg/L	100	90 - 110	6010B	12/9/10 10:29
T005697-CCV4	Aluminum	25.0	24.5	mg/L	98	90 - 110	6010B	12/9/10 10:54
	Antimony	0.500	0.516	mg/L	103	90 - 110	6010B	12/9/10 10:54
	Arsenic	0.500	0.510	mg/L	102	90 - 110	6010B	12/9/10 10:54
	Barium	0.500	0.489	mg/L	98	90 - 110	6010B	12/9/10 10:54
	Beryllium	0.500	0.503	mg/L	101	90 - 110	6010B	12/9/10 10:54
	Cadmium	0.500	0.510	mg/L	102	90 - 110	6010B	12/9/10 10:54
	Calcium	25.0	24.5	mg/L	98	90 - 110	6010B	12/9/10 10:54
	Chromium	0.500	0.503	mg/L	101	90 - 110	6010B	12/9/10 10:54
	Cobalt	0.500	0.499	mg/L	100	90 - 110	6010B	12/9/10 10:54
	Copper	0.500	0.495	mg/L	99	90 - 110	6010B	12/9/10 10:54
	Iron	25.0	25.5	mg/L	102	90 - 110	6010B	12/9/10 10:54
	Lead	0.500	0.508	mg/L	102	90 - 110	6010B	12/9/10 10:54

886/1158

Form 2
INITIAL AND CONTINUING CALIBRATION CHECK
6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Instrument ID: ICAP 1
Calibration: R10L061
Control Limt: +/- 10.00%
Sequence: T005697

Lab Sample ID	Analyte	True	Found	Units	%R	Limits	Method	Analyzed
T005697-CCV4	Magnesium	25.0	26.3	mg/L	105	90 - 110	6010B	12/9/10 10:54
	Manganese	0.500	0.520	mg/L	104	90 - 110	6010B	12/9/10 10:54
	Nickel	0.500	0.505	mg/L	101	90 - 110	6010B	12/9/10 10:54
	Potassium	25.0	25.2	mg/L	101	90 - 110	6010B	12/9/10 10:54
	Selenium	0.500	0.507	mg/L	101	90 - 110	6010B	12/9/10 10:54
	Silver	0.500	0.482	mg/L	96	90 - 110	6010B	12/9/10 10:54
	Sodium	25.0	25.0	mg/L	100	90 - 110	6010B	12/9/10 10:54
	Thallium	0.500	0.505	mg/L	101	90 - 110	6010B	12/9/10 10:54
	Vanadium	0.500	0.478	mg/L	96	90 - 110	6010B	12/9/10 10:54
	Zinc	0.500	0.506	mg/L	101	90 - 110	6010B	12/9/10 10:54
T005697-CCV5	Aluminum	25.0	24.3	mg/L	97	90 - 110	6010B	12/9/10 11:20
	Antimony	0.500	0.514	mg/L	103	90 - 110	6010B	12/9/10 11:20
	Arsenic	0.500	0.508	mg/L	102	90 - 110	6010B	12/9/10 11:20
	Barium	0.500	0.490	mg/L	98	90 - 110	6010B	12/9/10 11:20
	Beryllium	0.500	0.498	mg/L	100	90 - 110	6010B	12/9/10 11:20
	Cadmium	0.500	0.510	mg/L	102	90 - 110	6010B	12/9/10 11:20
	Calcium	25.0	24.3	mg/L	97	90 - 110	6010B	12/9/10 11:20
	Chromium	0.500	0.499	mg/L	100	90 - 110	6010B	12/9/10 11:20
	Cobalt	0.500	0.498	mg/L	100	90 - 110	6010B	12/9/10 11:20
	Copper	0.500	0.499	mg/L	100	90 - 110	6010B	12/9/10 11:20
	Iron	25.0	25.2	mg/L	101	90 - 110	6010B	12/9/10 11:20
	Lead	0.500	0.503	mg/L	101	90 - 110	6010B	12/9/10 11:20
	Magnesium	25.0	25.5	mg/L	102	90 - 110	6010B	12/9/10 11:20
	Manganese	0.500	0.510	mg/L	102	90 - 110	6010B	12/9/10 11:20
	Nickel	0.500	0.498	mg/L	100	90 - 110	6010B	12/9/10 11:20
	Potassium	25.0	25.0	mg/L	100	90 - 110	6010B	12/9/10 11:20
	Selenium	0.500	0.510	mg/L	102	90 - 110	6010B	12/9/10 11:20
	Silver	0.500	0.484	mg/L	97	90 - 110	6010B	12/9/10 11:20
	Sodium	25.0	24.8	mg/L	99	90 - 110	6010B	12/9/10 11:20
	Thallium	0.500	0.504	mg/L	101	90 - 110	6010B	12/9/10 11:20
	Vanadium	0.500	0.479	mg/L	96	90 - 110	6010B	12/9/10 11:20
	Zinc	0.500	0.495	mg/L	99	90 - 110	6010B	12/9/10 11:20
T005697-CCV6	Aluminum	25.0	23.5	mg/L	94	90 - 110	6010B	12/9/10 11:45
	Antimony	0.500	0.518	mg/L	104	90 - 110	6010B	12/9/10 11:45
	Arsenic	0.500	0.509	mg/L	102	90 - 110	6010B	12/9/10 11:45
	Barium	0.500	0.470	mg/L	94	90 - 110	6010B	12/9/10 11:45
	Beryllium	0.500	0.496	mg/L	99	90 - 110	6010B	12/9/10 11:45
	Cadmium	0.500	0.512	mg/L	102	90 - 110	6010B	12/9/10 11:45
	Calcium	25.0	23.5	mg/L	94	90 - 110	6010B	12/9/10 11:45
	Chromium	0.500	0.498	mg/L	100	90 - 110	6010B	12/9/10 11:45
	Cobalt	0.500	0.500	mg/L	100	90 - 110	6010B	12/9/10 11:45
	Copper	0.500	0.494	mg/L	99	90 - 110	6010B	12/9/10 11:45
	Iron	25.0	25.0	mg/L	100	90 - 110	6010B	12/9/10 11:45
	Lead	0.500	0.506	mg/L	101	90 - 110	6010B	12/9/10 11:45
	Magnesium	25.0	26.0	mg/L	104	90 - 110	6010B	12/9/10 11:45
	Manganese	0.500	0.521	mg/L	104	90 - 110	6010B	12/9/10 11:45
	Nickel	0.500	0.510	mg/L	102	90 - 110	6010B	12/9/10 11:45
	Potassium	25.0	24.6	mg/L	98	90 - 110	6010B	12/9/10 11:45
	Selenium	0.500	0.506	mg/L	101	90 - 110	6010B	12/9/10 11:45
	Silver	0.500	0.472	mg/L	94	90 - 110	6010B	12/9/10 11:45

Form 2
INITIAL AND CONTINUING CALIBRATION CHECK
6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Instrument ID: ICAP 1
Calibration: R10L061
Control Limt: +/- 10.00%
Sequence: T005697

Lab Sample ID	Analyte	True	Found	Units	%R	Limits	Method	Analyzed
T005697-CCV6	Sodium	25.0	24.3	mg/L	97	90 - 110	6010B	12/9/10 11:45
	Thallium	0.500	0.511	mg/L	102	90 - 110	6010B	12/9/10 11:45
	Vanadium	0.500	0.469	mg/L	94	90 - 110	6010B	12/9/10 11:45
	Zinc	0.500	0.497	mg/L	99	90 - 110	6010B	12/9/10 11:45
T005697-CCV7	Aluminum	25.0	24.5	mg/L	98	90 - 110	6010B	12/9/10 12:11
	Antimony	0.500	0.516	mg/L	103	90 - 110	6010B	12/9/10 12:11
	Arsenic	0.500	0.514	mg/L	103	90 - 110	6010B	12/9/10 12:11
	Barium	0.500	0.492	mg/L	98	90 - 110	6010B	12/9/10 12:11
	Beryllium	0.500	0.496	mg/L	99	90 - 110	6010B	12/9/10 12:11
	Cadmium	0.500	0.513	mg/L	103	90 - 110	6010B	12/9/10 12:11
	Calcium	25.0	24.4	mg/L	98	90 - 110	6010B	12/9/10 12:11
	Chromium	0.500	0.501	mg/L	100	90 - 110	6010B	12/9/10 12:11
	Cobalt	0.500	0.500	mg/L	100	90 - 110	6010B	12/9/10 12:11
	Copper	0.500	0.497	mg/L	99	90 - 110	6010B	12/9/10 12:11
	Iron	25.0	25.0	mg/L	100	90 - 110	6010B	12/9/10 12:11
	Lead	0.500	0.507	mg/L	101	90 - 110	6010B	12/9/10 12:11
	Magnesium	25.0	25.6	mg/L	102	90 - 110	6010B	12/9/10 12:11
	Manganese	0.500	0.508	mg/L	102	90 - 110	6010B	12/9/10 12:11
	Nickel	0.500	0.499	mg/L	100	90 - 110	6010B	12/9/10 12:11
	Potassium	25.0	25.1	mg/L	100	90 - 110	6010B	12/9/10 12:11
	Selenium	0.500	0.515	mg/L	103	90 - 110	6010B	12/9/10 12:11
	Silver	0.500	0.485	mg/L	97	90 - 110	6010B	12/9/10 12:11
	Sodium	25.0	24.9	mg/L	100	90 - 110	6010B	12/9/10 12:11
	Thallium	0.500	0.504	mg/L	101	90 - 110	6010B	12/9/10 12:11
	Vanadium	0.500	0.477	mg/L	95	90 - 110	6010B	12/9/10 12:11
	Zinc	0.500	0.496	mg/L	99	90 - 110	6010B	12/9/10 12:11
T005697-CCV8	Aluminum	25.0	24.2	mg/L	97	90 - 110	6010B	12/9/10 12:22
	Antimony	0.500	0.522	mg/L	104	90 - 110	6010B	12/9/10 12:22
	Arsenic	0.500	0.509	mg/L	102	90 - 110	6010B	12/9/10 12:22
	Barium	0.500	0.485	mg/L	97	90 - 110	6010B	12/9/10 12:22
	Beryllium	0.500	0.496	mg/L	99	90 - 110	6010B	12/9/10 12:22
	Cadmium	0.500	0.512	mg/L	102	90 - 110	6010B	12/9/10 12:22
	Calcium	25.0	24.2	mg/L	97	90 - 110	6010B	12/9/10 12:22
	Chromium	0.500	0.502	mg/L	100	90 - 110	6010B	12/9/10 12:22
	Cobalt	0.500	0.499	mg/L	100	90 - 110	6010B	12/9/10 12:22
	Copper	0.500	0.500	mg/L	100	90 - 110	6010B	12/9/10 12:22
	Iron	25.0	25.0	mg/L	100	90 - 110	6010B	12/9/10 12:22
	Lead	0.500	0.504	mg/L	101	90 - 110	6010B	12/9/10 12:22
	Magnesium	25.0	25.7	mg/L	103	90 - 110	6010B	12/9/10 12:22
	Manganese	0.500	0.512	mg/L	102	90 - 110	6010B	12/9/10 12:22
	Nickel	0.500	0.504	mg/L	101	90 - 110	6010B	12/9/10 12:22
	Potassium	25.0	24.9	mg/L	100	90 - 110	6010B	12/9/10 12:22
	Selenium	0.500	0.514	mg/L	103	90 - 110	6010B	12/9/10 12:22
	Silver	0.500	0.484	mg/L	97	90 - 110	6010B	12/9/10 12:22
	Sodium	25.0	24.8	mg/L	99	90 - 110	6010B	12/9/10 12:22
	Thallium	0.500	0.505	mg/L	101	90 - 110	6010B	12/9/10 12:22
	Vanadium	0.500	0.478	mg/L	96	90 - 110	6010B	12/9/10 12:22
	Zinc	0.500	0.498	mg/L	100	90 - 110	6010B	12/9/10 12:22

* Values outside of QC limits

Form Rev: 9/21/10
Printed: 12/16/2010

Form 2B
LOW-CONCENTRATION CALIBRATION VERIFICATION
6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solid
Calibration: R10L061
Laboratory ID: T005697-LCV1
Sequence: T005697
Standard ID: RT14778

ANALYTE	EXPECTED	FOUND	UNITS	% DRIFT	QC LIMIT
Aluminum	0.200	0.260	mg/L	30.0	50.00
Antimony	0.0200	0.0211	mg/L	5.6	50.00
Arsenic	0.0100	0.00806	mg/L	-19.4	50.00
Barium	0.00200	0.00222	mg/L	11.0	50.00
Beryllium	0.00200	0.00196	mg/L	-2.0	50.00
Cadmium	0.00100	0.00115	mg/L	15.0	50.00
Calcium	0.500	0.511	mg/L	2.1	50.00
Chromium	0.00400	0.00423	mg/L	5.8	50.00
Cobalt	0.00400	0.00366	mg/L	-8.5	50.00
Copper	0.0100	0.0103	mg/L	2.6	50.00
Iron	0.0500	0.0458	mg/L	-8.3	50.00
Lead	0.00500	0.00632	mg/L	26.4	50.00
Magnesium	0.200	0.204	mg/L	1.8	50.00
Manganese	0.00300	0.00314	mg/L	4.7	50.00
Nickel	0.0100	0.0103	mg/L	2.9	50.00
Potassium	0.500	0.482	mg/L	-3.7	50.00
Selenium	0.0150	0.00850	mg/L	-43.3	50.00
Silver	0.00300	0.00291	mg/L	-3.0	50.00
Sodium	1.00	0.997	mg/L	-0.3	50.00
Thallium	0.0200	0.0187	mg/L	-6.6	50.00
Vanadium	0.00500	0.00423	mg/L	-15.4	50.00
Zinc	0.0100	0.0101	mg/L	0.8	50.00

* Values outside of QC limits

Form 2B
LOW-CONCENTRATION CALIBRATION VERIFICATION
6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solid
Calibration: R10L061
Laboratory ID: T005697-LCV2
Sequence: T005697
Standard ID: RT14778

ANALYTE	EXPECTED	FOUND	UNITS	% DRIFT	QC LIMIT
Aluminum	0.200	0.257	mg/L	28.4	50.00
Antimony	0.0200	0.0165	mg/L	-17.3	50.00
Arsenic	0.0100	0.0106	mg/L	5.5	50.00
Barium	0.00200	0.00209	mg/L	4.5	50.00
Beryllium	0.00200	0.00198	mg/L	-1.0	50.00
Cadmium	0.00100	0.000800	mg/L	-20.0	50.00
Calcium	0.500	0.482	mg/L	-3.7	50.00
Chromium	0.00400	0.00384	mg/L	-4.0	50.00
Cobalt	0.00400	0.00371	mg/L	-7.2	50.00
Copper	0.0100	0.0102	mg/L	1.5	50.00
Iron	0.0500	0.0493	mg/L	-1.5	50.00
Lead	0.00500	0.00430	mg/L	-14.0	50.00
Magnesium	0.200	0.203	mg/L	1.7	50.00
Manganese	0.00300	0.00313	mg/L	4.3	50.00
Nickel	0.0100	0.0101	mg/L	0.9	50.00
Potassium	0.500	0.454	mg/L	-9.1	50.00
Selenium	0.0150	0.00708	mg/L	-52.8 *	50.00
Silver	0.00300	0.00345	mg/L	15.0	50.00
Sodium	1.00	0.990	mg/L	-1.0	50.00
Thallium	0.0200	0.0171	mg/L	-14.4	50.00
Vanadium	0.00500	0.00442	mg/L	-11.6	50.00
Zinc	0.0100	0.00956	mg/L	-4.4	50.00

* Values outside of QC limits

Form 3
BLANKS
6010B

Laboratory: TestAmerica Buffalo
Client: PARS Environmental, Inc.
Instrument ID: ICAP 1
Sequence: T005697

SDG: RTL0572
Project: NF Armed Forces Reserve Center Solids Testing
Calibration: R10L061

Lab Sample ID	Analyte	Found	MRL	Units	C	Method	Analyzed
T005697-ICB1	Aluminum	-0.00107	0.200	mg/L		6010B	12/9/10 9:44
	Antimony	0.00592	0.0200	mg/L		6010B	12/9/10 9:44
	Arsenic	-0.000330	0.0100	mg/L		6010B	12/9/10 9:44
	Barium	0.000100	0.0020	mg/L		6010B	12/9/10 9:44
	Beryllium	0.0000300	0.0020	mg/L		6010B	12/9/10 9:44
	Cadmium	-0.0000100	0.0010	mg/L		6010B	12/9/10 9:44
	Calcium	0.0166	0.5	mg/L		6010B	12/9/10 9:44
	Chromium	-0.0000100	0.0040	mg/L		6010B	12/9/10 9:44
	Cobalt	-0.0000200	0.0040	mg/L		6010B	12/9/10 9:44
	Copper	-0.000280	0.0100	mg/L		6010B	12/9/10 9:44
	Iron	0.00952	0.050	mg/L		6010B	12/9/10 9:44
	Lead	0.000660	0.0050	mg/L		6010B	12/9/10 9:44
	Magnesium	0.00287	0.200	mg/L		6010B	12/9/10 9:44
	Manganese	0.0000300	0.0030	mg/L		6010B	12/9/10 9:44
	Nickel	0.000180	0.0100	mg/L		6010B	12/9/10 9:44
	Potassium	0.00494	0.500	mg/L		6010B	12/9/10 9:44
	Selenium	-0.00691	0.0150	mg/L		6010B	12/9/10 9:44
	Silver	-0.0000300	0.0030	mg/L		6010B	12/9/10 9:44
	Sodium	0.00307	1.0	mg/L		6010B	12/9/10 9:44
	Thallium	-0.00157	0.0200	mg/L		6010B	12/9/10 9:44
	Vanadium	0.0000200	0.0050	mg/L		6010B	12/9/10 9:44
	Zinc	-0.000120	0.0100	mg/L		6010B	12/9/10 9:44
T005697-CCB1	Aluminum	0.111	0.200	mg/L	*	6010B	12/9/10 9:54
	Antimony	0.0051	0.0200	mg/L		6010B	12/9/10 9:54
	Arsenic	-0.0001	0.0100	mg/L		6010B	12/9/10 9:54
	Barium	0.00005	0.0020	mg/L		6010B	12/9/10 9:54
	Beryllium	0.00006	0.0020	mg/L		6010B	12/9/10 9:54
	Cadmium	0.0001	0.0010	mg/L		6010B	12/9/10 9:54
	Calcium	0.03	0.5	mg/L		6010B	12/9/10 9:54
	Chromium	0.00005	0.0040	mg/L		6010B	12/9/10 9:54
	Cobalt	-0.00003	0.0040	mg/L		6010B	12/9/10 9:54
	Copper	-0.0009	0.0100	mg/L		6010B	12/9/10 9:54
	Iron	0.004	0.050	mg/L		6010B	12/9/10 9:54
	Lead	0.0002	0.0050	mg/L		6010B	12/9/10 9:54
	Magnesium	0.025	0.200	mg/L		6010B	12/9/10 9:54
	Manganese	0.00008	0.0030	mg/L		6010B	12/9/10 9:54
	Nickel	0.0004	0.0100	mg/L		6010B	12/9/10 9:54
	Potassium	-0.039	0.500	mg/L		6010B	12/9/10 9:54
	Selenium	-0.0070	0.0150	mg/L		6010B	12/9/10 9:54
	Silver	0.0002	0.0030	mg/L		6010B	12/9/10 9:54
	Sodium	-0.004	1.0	mg/L		6010B	12/9/10 9:54
	Thallium	0.0007	0.0200	mg/L		6010B	12/9/10 9:54
	Vanadium	0.00008	0.0050	mg/L		6010B	12/9/10 9:54
	Zinc	-0.00006	0.0100	mg/L		6010B	12/9/10 9:54
10L0535-BLK1	Aluminum	5.7	9.9	mg/kg	*	6010B	12/9/10 9:57
	Antimony	ND	14.9	mg/kg		6010B	12/9/10 9:57

Form 3
BLANKS
6010B

Laboratory: TestAmerica Buffalo
Client: PARS Environmental, Inc.
Instrument ID: ICAP 1
Sequence: T005697

SDG: RTL0572
Project: NF Armed Forces Reserve Center Solids Testing
Calibration: R10L061

Lab Sample ID	Analyte	Found	MRL	Units	C	Method	Analyzed
10L0535-BLK1	Arsenic	ND	2.0	mg/kg		6010B	12/9/10 9:57
	Barium	ND	0.495	mg/kg		6010B	12/9/10 9:57
	Beryllium	ND	0.198	mg/kg		6010B	12/9/10 9:57
	Cadmium	ND	0.198	mg/kg		6010B	12/9/10 9:57
	Calcium	7.1	49.5	mg/kg	*	6010B	12/9/10 9:57
	Chromium	ND	0.495	mg/kg		6010B	12/9/10 9:57
	Cobalt	ND	0.495	mg/kg		6010B	12/9/10 9:57
	Copper	ND	1.0	mg/kg		6010B	12/9/10 9:57
	Iron	1.5	9.9	mg/kg	*	6010B	12/9/10 9:57
	Lead	ND	1.0	mg/kg		6010B	12/9/10 9:57
	Magnesium	ND	19.8	mg/kg		6010B	12/9/10 9:57
	Manganese	0.04	0.2	mg/kg	*	6010B	12/9/10 9:57
	Nickel	ND	4.95	mg/kg		6010B	12/9/10 9:57
	Potassium	ND	29.7	mg/kg		6010B	12/9/10 9:57
	Selenium	ND	4.0	mg/kg		6010B	12/9/10 9:57
	Silver	ND	0.495	mg/kg		6010B	12/9/10 9:57
	Sodium	ND	139	mg/kg		6010B	12/9/10 9:57
	Thallium	ND	5.9	mg/kg		6010B	12/9/10 9:57
	Vanadium	ND	0.495	mg/kg		6010B	12/9/10 9:57
	Zinc	0.2	2.0	mg/kg	*	6010B	12/9/10 9:57
T005697-CCB2	Aluminum	0.040	0.200	mg/L		6010B	12/9/10 10:05
	Antimony	0.0045	0.0200	mg/L		6010B	12/9/10 10:05
	Arsenic	0.0008	0.0100	mg/L		6010B	12/9/10 10:05
	Barium	0.00009	0.0020	mg/L		6010B	12/9/10 10:05
	Beryllium	0.0001	0.0020	mg/L		6010B	12/9/10 10:05
	Cadmium	-0.0002	0.0010	mg/L		6010B	12/9/10 10:05
	Calcium	0.02	0.5	mg/L		6010B	12/9/10 10:05
	Chromium	-0.0001	0.0040	mg/L		6010B	12/9/10 10:05
	Cobalt	-0.0002	0.0040	mg/L		6010B	12/9/10 10:05
	Copper	0.0007	0.0100	mg/L		6010B	12/9/10 10:05
	Iron	0.019	0.050	mg/L	*	6010B	12/9/10 10:05
	Lead	-0.0001	0.0050	mg/L		6010B	12/9/10 10:05
	Magnesium	0.017	0.200	mg/L		6010B	12/9/10 10:05
	Manganese	0.0003	0.0030	mg/L	*	6010B	12/9/10 10:05
	Nickel	0.0005	0.0100	mg/L		6010B	12/9/10 10:05
	Potassium	-0.004	0.500	mg/L		6010B	12/9/10 10:05
	Selenium	-0.0071	0.0150	mg/L		6010B	12/9/10 10:05
	Silver	-0.0001	0.0030	mg/L		6010B	12/9/10 10:05
	Sodium	-0.007	1.0	mg/L		6010B	12/9/10 10:05
	Thallium	-0.0010	0.0200	mg/L		6010B	12/9/10 10:05
	Vanadium	0.0004	0.0050	mg/L		6010B	12/9/10 10:05
	Zinc	0.00006	0.0100	mg/L		6010B	12/9/10 10:05
T005697-CCB3	Aluminum	0.050	0.200	mg/L	*	6010B	12/9/10 10:31
	Antimony	0.0020	0.0200	mg/L		6010B	12/9/10 10:31
	Arsenic	-0.0003	0.0100	mg/L		6010B	12/9/10 10:31
	Barium	0.00008	0.0020	mg/L		6010B	12/9/10 10:31

Form 3
BLANKS
6010B

Laboratory: TestAmerica Buffalo
Client: PARS Environmental, Inc.
Instrument ID: ICAP 1
Sequence: T005697

SDG: RTL0572
Project: NF Armed Forces Reserve Center Solids Testing
Calibration: R10L061

Lab Sample ID	Analyte	Found	MRL	Units	C	Method	Analyzed
T005697-CCB3	Beryllium	-0.0001	0.0020	mg/L		6010B	12/9/10 10:31
	Cadmium	-0.0002	0.0010	mg/L		6010B	12/9/10 10:31
	Calcium	0.02	0.5	mg/L		6010B	12/9/10 10:31
	Chromium	-0.0001	0.0040	mg/L		6010B	12/9/10 10:31
	Cobalt	-0.00006	0.0040	mg/L		6010B	12/9/10 10:31
	Copper	-0.0003	0.0100	mg/L		6010B	12/9/10 10:31
	Iron	0.025	0.050	mg/L	*	6010B	12/9/10 10:31
	Lead	0.0001	0.0050	mg/L		6010B	12/9/10 10:31
	Magnesium	0.017	0.200	mg/L		6010B	12/9/10 10:31
	Manganese	0.0007	0.0030	mg/L	*	6010B	12/9/10 10:31
	Nickel	-0.00005	0.0100	mg/L		6010B	12/9/10 10:31
	Potassium	0.024	0.500	mg/L		6010B	12/9/10 10:31
	Selenium	-0.0066	0.0150	mg/L		6010B	12/9/10 10:31
	Silver	0.0001	0.0030	mg/L		6010B	12/9/10 10:31
	Sodium	0.02	1.0	mg/L		6010B	12/9/10 10:31
	Thallium	-0.0006	0.0200	mg/L		6010B	12/9/10 10:31
	Vanadium	0.0003	0.0050	mg/L		6010B	12/9/10 10:31
	Zinc	-0.0001	0.0100	mg/L		6010B	12/9/10 10:31
T005697-CCB4	Aluminum	0.048	0.200	mg/L	*	6010B	12/9/10 10:56
	Antimony	0.0036	0.0200	mg/L		6010B	12/9/10 10:56
	Arsenic	-0.0007	0.0100	mg/L		6010B	12/9/10 10:56
	Barium	0.0008	0.0020	mg/L	*	6010B	12/9/10 10:56
	Beryllium	0.0002	0.0020	mg/L		6010B	12/9/10 10:56
	Cadmium	-0.0002	0.0010	mg/L		6010B	12/9/10 10:56
	Calcium	0.05	0.5	mg/L		6010B	12/9/10 10:56
	Chromium	-0.0002	0.0040	mg/L		6010B	12/9/10 10:56
	Cobalt	-0.0002	0.0040	mg/L		6010B	12/9/10 10:56
	Copper	-0.0009	0.0100	mg/L		6010B	12/9/10 10:56
	Iron	0.064	0.050	mg/L	*	6010B	12/9/10 10:56
	Lead	-0.0002	0.0050	mg/L		6010B	12/9/10 10:56
	Magnesium	0.026	0.200	mg/L		6010B	12/9/10 10:56
	Manganese	0.0016	0.0030	mg/L	*	6010B	12/9/10 10:56
	Nickel	0.0004	0.0100	mg/L		6010B	12/9/10 10:56
	Potassium	-0.016	0.500	mg/L		6010B	12/9/10 10:56
	Selenium	-0.0074	0.0150	mg/L		6010B	12/9/10 10:56
	Silver	0.0001	0.0030	mg/L		6010B	12/9/10 10:56
	Sodium	0.001	1.0	mg/L		6010B	12/9/10 10:56
	Thallium	-0.0022	0.0200	mg/L		6010B	12/9/10 10:56
	Vanadium	-0.0003	0.0050	mg/L		6010B	12/9/10 10:56
	Zinc	0.0004	0.0100	mg/L		6010B	12/9/10 10:56
T005697-CCB5	Aluminum	0.021	0.200	mg/L		6010B	12/9/10 11:22
	Antimony	0.0019	0.0200	mg/L		6010B	12/9/10 11:22
	Arsenic	0.0004	0.0100	mg/L		6010B	12/9/10 11:22
	Barium	0.00009	0.0020	mg/L		6010B	12/9/10 11:22
	Beryllium	0.0002	0.0020	mg/L		6010B	12/9/10 11:22
	Cadmium	0.00001	0.0010	mg/L		6010B	12/9/10 11:22

9930 1158

Form 3
BLANKS
6010B

Laboratory: TestAmerica Buffalo
Client: PARS Environmental, Inc.
Instrument ID: ICAP 1
Sequence: T005697

SDG: RTL0572
Project: NF Armed Forces Reserve Center Solids Testing
Calibration: R10L061

Lab Sample ID	Analyte	Found	MRL	Units	C	Method	Analyzed
T005697-CCB5	Calcium	0.01	0.5	mg/L		6010B	12/9/10 11:22
	Chromium	-0.0003	0.0040	mg/L		6010B	12/9/10 11:22
	Cobalt	0.00007	0.0040	mg/L		6010B	12/9/10 11:22
	Copper	-0.0001	0.0100	mg/L		6010B	12/9/10 11:22
	Iron	0.020	0.050	mg/L	*	6010B	12/9/10 11:22
	Lead	-0.0004	0.0050	mg/L		6010B	12/9/10 11:22
	Magnesium	0.008	0.200	mg/L		6010B	12/9/10 11:22
	Manganese	0.0001	0.0030	mg/L		6010B	12/9/10 11:22
	Nickel	0.0006	0.0100	mg/L		6010B	12/9/10 11:22
	Potassium	-0.004	0.500	mg/L		6010B	12/9/10 11:22
	Selenium	-0.0098	0.0150	mg/L		6010B	12/9/10 11:22
	Silver	-0.0005	0.0030	mg/L		6010B	12/9/10 11:22
	Sodium	-0.01	1.0	mg/L		6010B	12/9/10 11:22
	Thallium	-0.0012	0.0200	mg/L		6010B	12/9/10 11:22
	Vanadium	-0.00006	0.0050	mg/L		6010B	12/9/10 11:22
	Zinc	-0.0002	0.0100	mg/L		6010B	12/9/10 11:22
T005697-CCB6	Aluminum	0.008	0.200	mg/L		6010B	12/9/10 11:48
	Antimony	0.0005	0.0200	mg/L		6010B	12/9/10 11:48
	Arsenic	0.0008	0.0100	mg/L		6010B	12/9/10 11:48
	Barium	0.00003	0.0020	mg/L		6010B	12/9/10 11:48
	Beryllium	-0.00006	0.0020	mg/L		6010B	12/9/10 11:48
	Cadmium	-0.0002	0.0010	mg/L		6010B	12/9/10 11:48
	Calcium	0.02	0.5	mg/L		6010B	12/9/10 11:48
	Chromium	-0.0003	0.0040	mg/L		6010B	12/9/10 11:48
	Cobalt	-0.0002	0.0040	mg/L		6010B	12/9/10 11:48
	Copper	-0.00008	0.0100	mg/L		6010B	12/9/10 11:48
	Iron	0.013	0.050	mg/L		6010B	12/9/10 11:48
	Lead	0.0019	0.0050	mg/L		6010B	12/9/10 11:48
	Magnesium	0.006	0.200	mg/L		6010B	12/9/10 11:48
	Manganese	0.0001	0.0030	mg/L		6010B	12/9/10 11:48
	Nickel	-0.00006	0.0100	mg/L		6010B	12/9/10 11:48
	Potassium	-0.038	0.500	mg/L		6010B	12/9/10 11:48
	Selenium	-0.0108	0.0150	mg/L		6010B	12/9/10 11:48
	Silver	-0.0006	0.0030	mg/L		6010B	12/9/10 11:48
	Sodium	0.02	1.0	mg/L		6010B	12/9/10 11:48
	Thallium	-0.0005	0.0200	mg/L		6010B	12/9/10 11:48
	Vanadium	-0.0004	0.0050	mg/L		6010B	12/9/10 11:48
	Zinc	0.0001	0.0100	mg/L		6010B	12/9/10 11:48
T005697-CCB7	Aluminum	0.098	0.200	mg/L	*	6010B	12/9/10 12:13
	Antimony	0.0030	0.0200	mg/L		6010B	12/9/10 12:13
	Arsenic	0.0006	0.0100	mg/L		6010B	12/9/10 12:13
	Barium	0.00005	0.0020	mg/L		6010B	12/9/10 12:13
	Beryllium	0.0003	0.0020	mg/L	*	6010B	12/9/10 12:13
	Cadmium	-0.0002	0.0010	mg/L		6010B	12/9/10 12:13
	Calcium	0.02	0.5	mg/L		6010B	12/9/10 12:13
	Chromium	0.0002	0.0040	mg/L		6010B	12/9/10 12:13

9941158

Form 3
BLANKS
6010B

Laboratory: TestAmerica Buffalo
Client: PARS Environmental, Inc.
Instrument ID: ICAP 1
Sequence: T005697

SDG: RTL0572
Project: NF Armed Forces Reserve Center Solids Testing
Calibration: R10L061

Lab Sample ID	Analyte	Found	MRL	Units	C	Method	Analyzed
T005697-CCB7	Cobalt	0.00005	0.0040	mg/L		6010B	12/9/10 12:13
	Copper	-0.0001	0.0100	mg/L		6010B	12/9/10 12:13
	Iron	0.006	0.050	mg/L		6010B	12/9/10 12:13
	Lead	0.0006	0.0050	mg/L		6010B	12/9/10 12:13
	Magnesium	0.008	0.200	mg/L		6010B	12/9/10 12:13
	Manganese	0.0001	0.0030	mg/L		6010B	12/9/10 12:13
	Nickel	0.0002	0.0100	mg/L		6010B	12/9/10 12:13
	Potassium	-0.006	0.500	mg/L		6010B	12/9/10 12:13
	Selenium	-0.0088	0.0150	mg/L		6010B	12/9/10 12:13
	Silver	-0.0001	0.0030	mg/L		6010B	12/9/10 12:13
	Sodium	0.0006	1.0	mg/L		6010B	12/9/10 12:13
	Thallium	-0.0006	0.0200	mg/L		6010B	12/9/10 12:13
	Vanadium	0.00001	0.0050	mg/L		6010B	12/9/10 12:13
	Zinc	-0.0003	0.0100	mg/L		6010B	12/9/10 12:13
T005697-CCB8	Aluminum	-0.011	0.200	mg/L		6010B	12/9/10 12:24
	Antimony	0.0036	0.0200	mg/L		6010B	12/9/10 12:24
	Arsenic	0.0008	0.0100	mg/L		6010B	12/9/10 12:24
	Barium	0.00003	0.0020	mg/L		6010B	12/9/10 12:24
	Beryllium	0.0001	0.0020	mg/L		6010B	12/9/10 12:24
	Cadmium	0.00001	0.0010	mg/L		6010B	12/9/10 12:24
	Calcium	0.03	0.5	mg/L		6010B	12/9/10 12:24
	Chromium	-0.00007	0.0040	mg/L		6010B	12/9/10 12:24
	Cobalt	-0.0005	0.0040	mg/L		6010B	12/9/10 12:24
	Copper	-0.00005	0.0100	mg/L		6010B	12/9/10 12:24
	Iron	0.024	0.050	mg/L	*	6010B	12/9/10 12:24
	Lead	-0.0006	0.0050	mg/L		6010B	12/9/10 12:24
	Magnesium	0.022	0.200	mg/L		6010B	12/9/10 12:24
	Manganese	0.00008	0.0030	mg/L		6010B	12/9/10 12:24
	Nickel	0.00	0.0100	mg/L		6010B	12/9/10 12:24
	Potassium	-0.044	0.500	mg/L		6010B	12/9/10 12:24
	Selenium	-0.0117	0.0150	mg/L		6010B	12/9/10 12:24
	Silver	0.0003	0.0030	mg/L		6010B	12/9/10 12:24
	Sodium	0.01	1.0	mg/L		6010B	12/9/10 12:24
	Thallium	-0.0032	0.0200	mg/L		6010B	12/9/10 12:24
	Vanadium	-0.0004	0.0050	mg/L		6010B	12/9/10 12:24
	Zinc	0.0001	0.0100	mg/L		6010B	12/9/10 12:24

* Results at or above the reporting level.

Form 4

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids
Instrument ID: ICAP 1
Calibration: R10L061
Sequence: T005697
Check Nbr: 1
Sol A Analyzed: 12/9/2010 9:48:24 AM
Sol B Analyzed: 12/9/2010 9:50:37 AM

	True			Found					
Analyte	**Sol A**	**Sol B**	**Units**	**Sol A**	**%R**	**A Limits**	**Sol B**	**%R**	**B Limits**
Aluminum	500	500	mg/L	496	99	80 - 120	477	95	80 - 120
Antimony	NA	0.600	mg/L	-0.000920	NA	80 - 120	0.625	104	80 - 120
Arsenic	NA	0.100	mg/L	0.000180	NA	80 - 120	0.109	109	80 - 120
Barium	NA	0.500	mg/L	0.000640	NA	80 - 120	0.513	103	80 - 120
Beryllium	NA	0.500	mg/L	-0.0000500	NA	80 - 120	0.510	102	80 - 120
Cadmium	NA	1.00	mg/L	0.000840	NA	80 - 120	1.02	102	80 - 120
Calcium	500	500	mg/L	486	97	80 - 120	483	97	80 - 120
Chromium	NA	0.500	mg/L	0.00446	NA	80 - 120	0.517	103	80 - 120
Cobalt	NA	0.500	mg/L	-0.000650	NA	80 - 120	0.502	100	80 - 120
Copper	NA	0.500	mg/L	0.00288	NA	80 - 120	0.533	107	80 - 120
Iron	200	100	mg/L	191	96	80 - 120	96.5	96	80 - 120
Lead	NA	0.0500	mg/L	0.00570	NA	80 - 120	0.0535	107	80 - 120
Magnesium	500	500	mg/L	509	102	80 - 120	483	97	80 - 120
Manganese	NA	0.500	mg/L	0.00130	NA	80 - 120	0.499	100	80 - 120
Nickel	NA	1.00	mg/L	0.00781	NA	80 - 120	0.983	98	80 - 120
Potassium	NA	NA	mg/L	0.00167	NA	80 - 120	-0.00392	NA	80 - 120
Selenium	NA	0.0500	mg/L	-0.00529	NA	80 - 120	0.0472	94	80 - 120
Silver	NA	0.200	mg/L	-0.00173	NA	80 - 120	0.220	110	80 - 120
Sodium	NA	NA	mg/L	0.0631	NA	80 - 120	0.112	NA	80 - 120
Thallium	NA	0.100	mg/L	-0.00322	NA	80 - 120	0.0889	89	80 - 120
Vanadium	NA	0.500	mg/L	0.00324	NA	80 - 120	0.503	101	80 - 120
Zinc	NA	1.00	mg/L	0.00149	NA	80 - 120	0.968	97	80 - 120

Form 4

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids
Instrument ID: ICAP 1
Calibration: R10L061
Sequence: T005697
Check Nbr: 2
Sol A Analyzed: 12/9/2010 12:17:53 PM
Sol B Analyzed: 12/9/2010 12:20:06 PM

	True			Found					
Analyte	**Sol A**	**Sol B**	**Units**	**Sol A**	**%R**	**A Limits**	**Sol B**	**%R**	**B Limits**
Antimony	NA	0.600	mg/L	-0.00319	NA	80 - 120	0.625	104	80 - 120
Arsenic	NA	0.100	mg/L	-0.000350	NA	80 - 120	0.108	108	80 - 120
Barium	NA	0.500	mg/L	0.000540	NA	80 - 120	0.480	96	80 - 120
Beryllium	NA	0.500	mg/L	-0.000120	NA	80 - 120	0.489	98	80 - 120
Cadmium	NA	1.00	mg/L	0.000630	NA	80 - 120	1.02	102	80 - 120
Calcium	500	500	mg/L	446	89	80 - 120	446	89	80 - 120
Chromium	NA	0.500	mg/L	0.00376	NA	80 - 120	0.496	99	80 - 120
Cobalt	NA	0.500	mg/L	-0.000380	NA	80 - 120	0.496	99	80 - 120
Copper	NA	0.500	mg/L	0.00261	NA	80 - 120	0.509	102	80 - 120
Iron	200	100	mg/L	177	89	80 - 120	90.3	90	80 - 120
Lead	NA	0.0500	mg/L	0.00231	NA	80 - 120	0.0538	108	80 - 120
Magnesium	500	500	mg/L	500	100	80 - 120	478	96	80 - 120
Manganese	NA	0.500	mg/L	0.00137	NA	80 - 120	0.497	99	80 - 120
Nickel	NA	1.00	mg/L	0.00707	NA	80 - 120	0.979	98	80 - 120
Potassium	NA	NA	mg/L	-0.0602	NA	80 - 120	-0.0313	NA	80 - 120
Selenium	NA	0.0500	mg/L	-0.00281	NA	80 - 120	0.0416	83	80 - 120
Silver	NA	0.200	mg/L	-0.00129	NA	80 - 120	0.208	104	80 - 120
Sodium	NA	NA	mg/L	0.0548	NA	80 - 120	0.134	NA	80 - 120
Thallium	NA	0.100	mg/L	-0.00654	NA	80 - 120	0.0929	93	80 - 120
Vanadium	NA	0.500	mg/L	0.00238	NA	80 - 120	0.477	95	80 - 120
Zinc	NA	1.00	mg/L	0.00146	NA	80 - 120	0.941	94	80 - 120

* Values outside of QC limits

Form 5A

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

6010B

SP-12-6-10

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT14625
Batch:	10L0535	Laboratory ID:	10L0535-MS1
Preparation:	3050B	Initial/Final:	0.5239 g / 50 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
Aluminum	2630	mg/kg dry	21100	21900	29 *	75 - 125
Antimony	52.5	mg/kg dry	ND	18.7	36 *	75 - 125
Arsenic	52.5	mg/kg dry	4.85	53.6	93	75 - 125
Barium	52.5	mg/kg dry	152	213	117	75 - 125
Beryllium	52.5	mg/kg dry	1.27	48.7	90	75 - 125
Cadmium	52.5	mg/kg dry	0.146	48.4	92	75 - 125
Calcium	2630	mg/kg dry	18900	20800	74 *	75 - 125
Chromium	52.5	mg/kg dry	29.8	74.4	85	75 - 125
Cobalt	52.5	mg/kg dry	19.3	72.0	101	75 - 125
Copper	52.5	mg/kg dry	30.4	79.0	93	75 - 125
Iron	2630	mg/kg dry	34500	37500	114	75 - 125
Lead	52.5	mg/kg dry	16.6	67.6	97	75 - 125
Magnesium	2630	mg/kg dry	10800	13600	104	75 - 125
Manganese	52.5	mg/kg dry	782	808	51 *	75 - 125
Nickel	52.5	mg/kg dry	42.8	94.9	99	75 - 125
Potassium	2630	mg/kg dry	2180	4260	79	75 - 125
Selenium	52.5	mg/kg dry	ND	46.5	88	75 - 125
Silver	13.1	mg/kg dry	ND	11.7	89	75 - 125
Sodium	2630	mg/kg dry	341	2740	91	75 - 125
Thallium	52.5	mg/kg dry	ND	47.7	91	75 - 125
Vanadium	52.5	mg/kg dry	38.1	82.2	84	75 - 125
Zinc	52.5	mg/kg dry	72.1	115	83	75 - 125

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aluminum	2630	mg/kg dry	21600	18 *	1	20	75 - 125
Antimony	52.5	mg/kg dry	18.2	35 *	3	20	75 - 125
Arsenic	52.5	mg/kg dry	52.2	90	3	20	75 - 125
Barium	52.5	mg/kg dry	171	36 *	22 *	20	75 - 125
Beryllium	52.5	mg/kg dry	48.7	90	0.07	20	75 - 125
Cadmium	52.5	mg/kg dry	48.0	91	0.8	20	75 - 125
Calcium	2630	mg/kg dry	16300	-97 *	24 *	20	75 - 125
Chromium	52.5	mg/kg dry	74.0	84	0.6	20	75 - 125

Form 5A

SP-12-6-10

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

6010B

Laboratory: TestAmerica Buffalo

Client: PARS Environmental, Inc.

Matrix: Solid

Batch: 10L0535

Preparation: 3050B

SDG: RTL0572

Project: NF Armed Forces Reserve Center Solids Testing

Spike standard: RT14625

Laboratory ID: 10L0535-MSD1

Initial/Final: 0.5241 g / 50 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Cobalt	52.5	mg/kg dry	72.5	101	0.6	20	75 - 125
Copper	52.5	mg/kg dry	80.5	96	2	20	75 - 125
Iron	2630	mg/kg dry	37900	131 *	1	20	75 - 125
Lead	52.5	mg/kg dry	72.9	107	8	20	75 - 125
Magnesium	2630	mg/kg dry	12900	80	5	20	75 - 125
Manganese	52.5	mg/kg dry	621	-306 *	26 *	20	75 - 125
Nickel	52.5	mg/kg dry	94.9	99	0.04	20	75 - 125
Potassium	2630	mg/kg dry	4110	74 *	4	20	75 - 125
Selenium	52.5	mg/kg dry	45.9	87	1	20	75 - 125
Silver	13.1	mg/kg dry	11.3	86	3	20	75 - 125
Sodium	2630	mg/kg dry	2700	90	1	20	75 - 125
Thallium	52.5	mg/kg dry	48.1	92	0.8	20	75 - 125
Vanadium	52.5	mg/kg dry	83.2	86	1	20	75 - 125
Zinc	52.5	mg/kg dry	118	87	2	20	75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Form 5B

POST DIGEST SPIKE SAMPLE RECOVERY

6010B

SP-12-6-10

Laboratory: TestAmerica Buffalo

Client: PARS Environmental, Inc.

Matrix: Solid

Batch: 10L0535

Preparation: 3050B

Source Sample Name: SP-12-6-10

SDG: RTL0572

Project: NF Armed Forces Reserve Center Solids Testin

Laboratory ID: 10L0535-PS1

Lab Source ID: RTL0572-13

Initial/Final: 0.102 g / 10 mL

% Solids: 72.68

ANALYTE	SPIKE SAMPLE RESULT (SSR)	SAMPLE RESULT (SR)	SPIKE ADDED (SA)	UNITS	%REC	CONTROL LIMIT
Aluminum	174	157	20.0	mg/L	88	75 - 125
Antimony	0.381	ND	0.400	mg/L	95	75 - 125
Arsenic	0.405	0.0360	0.400	mg/L	92	75 - 125
Barium	1.47	1.12	0.400	mg/L	86	75 - 125
Beryllium	0.387	0.00940	0.400	mg/L	95	75 - 125
Cadmium	0.376	0.00108	0.400	mg/L	94	75 - 125
Calcium	154	140	20.0	mg/L	68 *	75 - 125
Chromium	0.579	0.221	0.400	mg/L	90	75 - 125
Cobalt	0.542	0.143	0.400	mg/L	100	75 - 125
Copper	0.587	0.225	0.400	mg/L	90	75 - 125
Iron	264	256	20.0	mg/L	42 *	75 - 125
Lead	0.519	0.123	0.400	mg/L	99	75 - 125
Magnesium	96.5	80.3	20.0	mg/L	81	75 - 125
Manganese	5.83	5.80	0.400	mg/L	7 *	75 - 125
Nickel	0.704	0.318	0.400	mg/L	97	75 - 125
Potassium	37.0	16.1	20.0	mg/L	104	75 - 125
Selenium	0.356	ND	0.400	mg/L	89	75 - 125
Silver	0.0890	ND	0.100	mg/L	89	75 - 125
Sodium	21.5	2.53	20.0	mg/L	95	75 - 125
Thallium	0.381	ND	0.400	mg/L	95	75 - 125
Vanadium	0.628	0.283	0.400	mg/L	86	75 - 125
Zinc	0.859	0.535	0.400	mg/L	81	75 - 125

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solid
Matrix: Solid
Batch: 10L0535
Laboratory ID: 10L0535-SRM1
Preparation: 3050B
Initial/Final: 0.4996 g / 50 mL

ANALYTE	TRUE (mg/kg)	FOUND (mg/kg)	SRM % REC.	QC LIMITS REC.
Aluminum	10700	8500	79	46.3 - 153.3
Antimony	117	59.3	51	22.6 - 253
Arsenic	138	131	95	70.4 - 129.7
Barium	269	247	92	74 - 126.4
Beryllium	157	147	94	75.2 - 124.8
Cadmium	71.1	66.1	93	73.2 - 126.8
Calcium	9670	9600	99	75.4 - 124.2
Chromium	105	95.9	91	69.3 - 130.5
Cobalt	142	143	100	73.9 - 125.4
Copper	110	101	92	74.4 - 125.5
Iron	19100	14700	77	43 - 156
Lead	144	148	103	72.9 - 126.4
Magnesium	4410	3960	90	70.3 - 129.7
Manganese	539	505	94	77.2 - 122.6
Nickel	130	130	100	72.8 - 126.9
Potassium	5000	4550	91	66.4 - 133.8
Selenium	200	190	95	68.5 - 131.5
Silver	45.1	41.3	91	66.3 - 133.7
Sodium	654	605	93	55.1 - 144.9
Thallium	161	164	102	68.3 - 131.7
Vanadium	67.1	55.7	83	57.8 - 142.1
Zinc	223	199	89	70.4 - 129.6

* Values outside of QC limits

Form 8

SERIAL DILUTION

6010B

SP-12-6-10

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: T005697-SRD1
Sequence: T005697
Lab Source ID: RTL0572-13
Preparation: 10L0530
Initial/Final: 0.5101 / 50
Source Sample Name: SP-12-6-10
% Solids: 72.68

Analyte	Initial Sample Result (I) mg/L	C	Serial Dilution Result (S) mg/L	C	% Difference	Q	Method	QC Limits % Difference
Aluminum	157		174		11 #	*	6010B	10
Antimony	ND		ND				6010B	10
Arsenic	0.0360		0.0327		9		6010B	10
Barium	1.12		1.26		12 #	*	6010B	10
Beryllium	0.0094		0.00985		5		6010B	10
Cadmium	0.00108		ND				6010B	10
Calcium	140		151		8 #		6010B	10
Chromium	0.221		0.244		10		6010B	10
Cobalt	0.143		0.136		5		6010B	10
Copper	0.225		0.226		0		6010B	10
Iron	256		273		7 #		6010B	10
Lead	0.123		0.143		17	*	6010B	10
Magnesium	80.3		86.4		8 #		6010B	10
Manganese	5.80		6.15		6 #		6010B	10
Nickel	0.318		0.304		4		6010B	10
Potassium	16.1		21.4		33	*	6010B	10
Selenium	ND		ND				6010B	10
Silver	ND		ND				6010B	10
Sodium	2.53		3.25		28	*	6010B	10
Thallium	ND		ND				6010B	10
Vanadium	0.283		0.311		10		6010B	10
Zinc	0.535		0.575		8		6010B	10

* Values outside of QC limits
# Values >MDL

Form 9

METHOD DETECTION AND REPORTING LIMITS

6010B

Laboratory: TestAmerica Buffalo
Client: PARS Environmental, Inc.
Matrix: Solid

SDG: RTL0572
Project: NF Armed Forces Reserve Center Solic
Instrument: ICAP 1

Analyte	IDL	IDL Units	MDL	MRL	MDL/MRL Units
Aluminum	0.03201	mg/L	4.4	10.0	mg/kg
Antimony	0.00154	mg/L	0.5	15.0	mg/kg
Arsenic	0.00185	mg/L	0.4	2.0	mg/kg
Barium	0.00012	mg/L	0.110	0.500	mg/kg
Beryllium	0.00025	mg/L	0.028	0.200	mg/kg
Cadmium	0.00014	mg/L	0.030	0.200	mg/kg
Calcium	0.00610	mg/L	3.3	50.0	mg/kg
Chromium	0.00051	mg/L	0.200	0.500	mg/kg
Cobalt	0.00022	mg/L	0.050	0.500	mg/kg
Copper	0.00064	mg/L	0.2	1.0	mg/kg
Iron	0.00778	mg/L	1.1	10.0	mg/kg
Lead	0.00170	mg/L	0.2	1.0	mg/kg
Magnesium	0.00597	mg/L	0.9	20.0	mg/kg
Manganese	0.00010	mg/L	0.03	0.2	mg/kg
Nickel	0.00053	mg/L	0.230	5.00	mg/kg
Potassium	0.05740	mg/L	20.0	30.0	mg/kg
Selenium	0.00511	mg/L	0.6	4.0	mg/kg
Silver	0.00111	mg/L	0.200	0.500	mg/kg
Sodium	0.12186	mg/L	13.0	140	mg/kg
Thallium	0.00155	mg/L	0.3	6.0	mg/kg
Vanadium	0.00060	mg/L	0.110	0.500	mg/kg
Zinc	0.00053	mg/L	0.2	2.0	mg/kg

Form 10
ICP-AES INTERELEMENT CORRECTION FACTORS
6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Test
Date: 12/6/2010 12:00:00AM
Instrument: ICAP 1

Analyte	Wave-length (nm)	Interelement Correction factors for:					
		Al	Ca	Fe	Mg	As	Cr
Antimony		0.0000050	0.0000000	-0.0000190	0.0000000	0.0000000	0.0232200
Arsenic		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.0176660
Beryllium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium		0.0000000	0.0000000	0.0000000	0.0000000	0.0038380	0.0000000
Cobalt		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron		0.0000000	0.0000000	0.0000000	0.0000070	0.0000000	0.0000000
Lead		-0.0000450	0.0000000	0.0000200	0.0000000	0.0000000	0.0000000
Lithium		0.0000000	0.0000090	0.0000000	0.0000000	0.0000000	0.0000000
Selenium		-0.0000270	0.0000000	-0.0000030	0.0000000	0.0000000	0.0000000
Silicon		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.0026110
Silver		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium		0.0000000	0.0000090	0.0000000	0.0000000	0.0000000	0.0000000
Thallium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0002490
Tin		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0001430
Vanadium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.0076760
Zinc		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007410

Form 10
ICP-AES INTERELEMENT CORRECTION FACTORS
6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Test
Date: 12/6/2010 12:00:00AM
Instrument: ICAP 1

Analyte	Wave-length (nm)	Interelement Correction factors for:					
		Co	Cu	Mn	Mo	Ni	Ti
Antimony		0.0000000	0.0000000	0.0000000	-0.0013790	0.0000000	0.0000000
Arsenic		0.0000000	0.0000000	0.0000000	-0.0007510	0.0000000	0.0000000
Beryllium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.0002140
Boron		0.0000000	0.0000000	0.0000000	0.0547630	0.0000000	0.0000000
Cadmium		0.0000180	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt		0.0000000	0.0000000	0.0000000	-0.0008370	0.0001070	0.0000360
Copper		0.0000000	0.0000000	0.0000000	0.0005610	0.0000000	-0.0001980
Iron		-0.0000140	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead		0.0000000	0.0001740	0.0000000	-0.0019850	0.0000800	0.0000600
Lithium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium		0.0000000	0.0000000	0.0007130	0.0000000	0.0000000	0.0000000
Silicon		0.0000000	0.0000000	0.0000000	-0.0050770	0.0000000	0.0000000
Silver		0.0000000	0.0000000	0.0000000	0.0000400	0.0000000	0.0000000
Strontium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium		0.0045340	0.0000000	0.0013030	0.0000000	0.0000000	-0.0005050
Tin		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.0018880
Titanium		0.0000000	0.0000000	0.0000000	0.0014220	0.0000000	0.0000000
Vanadium		0.0000000	0.0000000	-0.0007330	0.0000000	0.0000000	0.0008680
Zinc		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Form 10
ICP-AES INTERELEMENT CORRECTION FACTORS
6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Test
Date: 12/6/2010
Instrument: ICAP 1

Analyte	Wave-length (nm)	Interelement Correction factors for: V					
Antimony		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper		-0.0001740	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron		-0.0000020	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lithium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium		0.0007600	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Form 11
LINEAR RANGE
6010B

Laboratory: TestAmerica Buffalo
Instrument: ICAP 1
Date: 8/26/2010 12:00:00AM

Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Te
SDG: RTL0572

Analyte	Integ.Time (Sec.)	Concentration	Units
Aluminum	15	500	mg/L
Antimony	15	50	mg/L
Arsenic	15	20	mg/L
Barium	15	10	mg/L
Beryllium	15	5	mg/L
Cadmium	15	15	mg/L
Calcium	15	500	mg/L
Chromium	15	40	mg/L
Cobalt	15	40	mg/L
Copper	15	25	mg/L
Iron	15	500	mg/L
Lead	15	60	mg/L
Magnesium	15	500	mg/L
Manganese	15	15	mg/L
Nickel	15	10	mg/L
Potassium	15	400	mg/L
Selenium	15	40	mg/L
Silver	15	2	mg/L
Sodium	15	500	mg/L
Thallium	15	40	mg/L
Vanadium	15	50	mg/L
Zinc	15	10	mg/L

Form 12

PREPARATION BATCH SUMMARY

6010B

Laboratory: TestAmerica Buffalo SDG: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Batch: 10L0535 Batch Matrix: Solid Preparation: 3050B

SAMPLE NAME	LAB SAMPLE ID	INITIAL	FINAL	DATE PREPARED	TOT/DIS
Blank	10L0535-BLK1	0.505 g	50.0 mL	12/08/10 12:20	Total
SP-12-6-10	10L0535-MS1	0.524 g	50.0 mL	12/08/10 12:20	Total
SP-12-6-10	10L0535-MSD1	0.524 g	50.0 mL	12/08/10 12:20	Total
SP-12-6-10	10L0535-PS1	0.102 g	10.0 mL	12/08/10 12:20	Total
Reference	10L0535-SRM1	0.500 g	50.0 mL	12/08/10 12:20	Total
SP-1-5-7	RTL0572-01	0.509 g	50.0 mL	12/08/10 12:20	Total
SP-2-6-8	RTL0572-02	0.532 g	50.0 mL	12/08/10 12:20	Total
SP-3-4-6	RTL0572-03	0.529 g	50.0 mL	12/08/10 12:20	Total
SP-4-2-4	RTL0572-04	0.507 g	50.0 mL	12/08/10 12:20	Total
SP-5-2-4	RTL0572-05	0.508 g	50.0 mL	12/08/10 12:20	Total
SP-6-2-4	RTL0572-06	0.528 g	50.0 mL	12/08/10 12:20	Total
SP-7-4-6	RTL0572-07	0.539 g	50.0 mL	12/08/10 12:20	Total
SP-8-4-6	RTL0572-08	0.516 g	50.0 mL	12/08/10 12:20	Total
SP-9-2-4	RTL0572-09	0.526 g	50.0 mL	12/08/10 12:20	Total
SP-10-2-4	RTL0572-10	0.522 g	50.0 mL	12/08/10 12:20	Total
SP-11-2-4	RTL0572-11	0.513 g	50.0 mL	12/08/10 12:20	Total
DUP-1	RTL0572-12	0.501 g	50.0 mL	12/08/10 12:20	Total
SP-12-6-10	RTL0572-13	0.510 g	50.0 mL	12/08/10 12:20	Total

Form 13

ANALYSIS BATCH (SEQUENCE) SUMMARY

6010B

Laboratory: TestAmerica Buffalo
Client: PARS Environmental, Inc.
Sequence: T005697

SDG: RTL0572
Project: NF Armed Forces Reserve Center Solids Testing
Instrument: ICAP 1
Calibration: R10L061

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	T005697-CAL1	I1120910A-001	12/09/10 09:33
Cal Standard	T005697-CAL2	I1120910A-002	12/09/10 09:35
Cal Standard	T005697-CAL3	I1120910A-003	12/09/10 09:37
Cal Standard	T005697-CAL4	I1120910A-004	12/09/10 09:39
Initial Cal Check	T005697-ICV1	I1120910A-005	12/09/10 09:42
Initial Cal Blank	T005697-ICB1	I1120910A-006	12/09/10 09:44
Low Cal Check	T005697-LCV1	I1120910A-007	12/09/10 09:46
Interference Check A	T005697-IFA1	I1120910A-008	12/09/10 09:48
Interference Check B	T005697-IFB1	I1120910A-009	12/09/10 09:50
Calibration Check	T005697-CCV1	I1120910A-010	12/09/10 09:52
Calibration Blank	T005697-CCB1	I1120910A-011	12/09/10 09:54
Blank	10L0535-BLK1	I1120910A-012	12/09/10 09:57
Reference	10L0535-SRM1	I1120910A-013	12/09/10 09:59
Calibration Check	T005697-CCV2	I1120910A-015	12/09/10 10:03
Calibration Blank	T005697-CCB2	I1120910A-016	12/09/10 10:05
SP-1-5-7	RTL0572-01	I1120910A-019	12/09/10 10:11
SP-2-6-8	RTL0572-02	I1120910A-020	12/09/10 10:14
SP-3-4-6	RTL0572-03	I1120910A-021	12/09/10 10:16
SP-4-2-4	RTL0572-04	I1120910A-022	12/09/10 10:18
SP-5-2-4	RTL0572-05	I1120910A-023	12/09/10 10:20
SP-6-2-4	RTL0572-06	I1120910A-024	12/09/10 10:22
SP-7-4-6	RTL0572-07	I1120910A-025	12/09/10 10:24
SP-8-4-6	RTL0572-08	I1120910A-026	12/09/10 10:27
Calibration Check	T005697-CCV3	I1120910A-027	12/09/10 10:29
Calibration Blank	T005697-CCB3	I1120910A-028	12/09/10 10:31
SP-9-2-4	RTL0572-09	I1120910A-029	12/09/10 10:33
SP-10-2-4	RTL0572-10	I1120910A-030	12/09/10 10:35
SP-11-2-4	RTL0572-11	I1120910A-031	12/09/10 10:37
DUP-1	RTL0572-12	I1120910A-032	12/09/10 10:39
SP-12-6-10	RTL0572-13	I1120910A-033	12/09/10 10:42
SP-12-6-10	T005697-SRD1	I1120910A-034	12/09/10 10:44
SP-12-6-10	10L0535-PS1	I1120910A-035	12/09/10 10:46
SP-12-6-10	10L0535-MS1	I1120910A-036	12/09/10 10:48
SP-12-6-10	10L0535-MSD1	I1120910A-037	12/09/10 10:50
Calibration Check	T005697-CCV4	I1120910A-039	12/09/10 10:54
Calibration Blank	T005697-CCB4	I1120910A-040	12/09/10 10:56
SP-1-5-7	RTL0572-01	I1120910A-049	12/09/10 11:16

Form 13

ANALYSIS BATCH (SEQUENCE) SUMMARY

6010B

Laboratory: TestAmerica Buffalo
Client: PARS Environmental, Inc.
Sequence: T005697

SDG: RTL0572
Project: NF Armed Forces Reserve Center Solids Testing
Instrument: ICAP 1
Calibration: R10L061

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
SP-2-6-8	RTL0572-02	I1120910A-050	12/09/10 11:18
Calibration Check	T005697-CCV5	I1120910A-051	12/09/10 11:20
Calibration Blank	T005697-CCB5	I1120910A-052	12/09/10 11:22
SP-7-4-6	RTL0572-07	I1120910A-053	12/09/10 11:24
Calibration Check	T005697-CCV6	I1120910A-063	12/09/10 11:45
Calibration Blank	T005697-CCB6	I1120910A-064	12/09/10 11:48
Calibration Check	T005697-CCV7	I1120910A-075	12/09/10 12:11
Calibration Blank	T005697-CCB7	I1120910A-076	12/09/10 12:13
Low Cal Check	T005697-LCV2	I1120910A-077	12/09/10 12:15
Interference Check A	T005697-IFA2	I1120910A-078	12/09/10 12:17
Interference Check B	T005697-IFB2	I1120910A-079	12/09/10 12:20
Calibration Check	T005697-CCV8	I1120910A-080	12/09/10 12:22
Calibration Blank	T005697-CCB8	I1120910A-081	12/09/10 12:24

HOLDING TIME SUMMARY
6010B

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testin

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SP-1-5-7	12/06/10 09:05	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:11	3	180	
SP-1-5-7	12/06/10 09:05	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 11:16	3	180	
SP-2-6-8	12/06/10 09:40	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:14	3	180	
SP-2-6-8	12/06/10 09:40	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 11:18	3	180	
SP-3-4-6	12/06/10 10:10	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:16	3	180	
SP-4-2-4	12/06/10 10:40	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:18	3	180	
SP-5-2-4	12/06/10 11:50	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:20	3	180	
SP-6-2-4	12/06/10 12:20	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:22	3	180	
SP-7-4-6	12/06/10 12:40	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:24	3	180	
SP-7-4-6	12/06/10 12:40	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 11:24	3	180	
SP-8-4-6	12/06/10 13:00	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:27	3	180	
SP-9-2-4	12/06/10 13:40	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:33	3	180	
SP-10-2-4	12/06/10 14:15	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:35	3	180	
SP-11-2-4	12/06/10 14:35	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:37	3	180	
DUP-1	12/06/10 00:00	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:39	3	180	
SP-12-6-10	12/06/10 15:20	12/06/10 17:15	12/08/10 12:20	2	180	12/09/10 10:42	3	180	

* Indicates a Holding Time violation.

TestAmerica Buffalo
SDG: RTL0572
CLASS: HG_SEQ
METHOD: 7471A

ANALYSES DATA PACKAGE COVER PAGE

7471A

Laboratory: TestAmerica Buffalo

SDG: RTL0572

Client: PARS Environmental, Inc.

Project: NF Armed Forces Reserve Center Solids Testing

Client Sample Id:	Lab Sample Id:
SP-1-5-7	RTL0572-01
SP-2-6-8	RTL0572-02
SP-3-4-6	RTL0572-03
SP-4-2-4	RTL0572-04
SP-5-2-4	RTL0572-05
SP-6-2-4	RTL0572-06
SP-7-4-6	RTL0572-07
SP-8-4-6	RTL0572-08
SP-9-2-4	RTL0572-09
SP-10-2-4	RTL0572-10
SP-11-2-4	RTL0572-11
DUP-1	RTL0572-12
SP-12-6-10	RTL0572-13

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

SP-1-5-7

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-01
File ID: J12080S1-9
Sampled: 12/06/10 09:05
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:17
Solids: 90.23
Preparation: 7471A
Initial/Final: 0.6002 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0222	mg/kg	1	U	7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

SP-2-6-8

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-02
File ID: J12080S1-10
Sampled: 12/06/10 09:40
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:19
Solids: 80.41
Preparation: 7471A
Initial/Final: 0.6472 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0231	mg/kg	1	U	7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

SP-3-4-6

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-03
File ID: J12080S1-11
Sampled: 12/06/10 10:10
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:21
Solids: 75.17
Preparation: 7471A
Initial/Final: 0.6502 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0132	mg/kg	1	J	7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

SP-4-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-04
File ID: J12080S1-12
Sampled: 12/06/10 10:40
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:22
Solids: 78.21
Preparation: 7471A
Initial/Final: 0.6387 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0423	mg/kg	1		7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

SP-5-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-05
File ID: J12080S1-13
Sampled: 12/06/10 11:50
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:24
Solids: 59.79
Preparation: 7471A
Initial/Final: 0.601 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0451	mg/kg	1		7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

SP-6-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-06
File ID: J12080S1-14
Sampled: 12/06/10 12:20
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:26
Solids: 72.48
Preparation: 7471A
Initial/Final: 0.6342 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0492	mg/kg	1		7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

SP-7-4-6

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-07
File ID: J12080S1-15
Sampled: 12/06/10 12:40
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:28
Solids: 78.89
Preparation: 7471A
Initial/Final: 0.6128 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0341	mg/kg	1		7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

SP-8-4-6

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-08
File ID: J12080S1-18
Sampled: 12/06/10 13:00
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:34
Solids: 81.04
Preparation: 7471A
Initial/Final: 0.6042 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0245	mg/kg	1	U	7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

SP-9-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-09
File ID: J12080S1-19
Sampled: 12/06/10 13:40
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:36
Solids: 77.64
Preparation: 7471A
Initial/Final: 0.6445 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0218	mg/kg	1	J	7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

SP-10-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-10
File ID: J12080S1-20
Sampled: 12/06/10 14:15
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:37
Solids: 79.40
Preparation: 7471A
Initial/Final: 0.631 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0685	mg/kg	1		7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

SP-11-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-11
File ID: J12080S1-21
Sampled: 12/06/10 14:35
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:39
Solids: 75.57
Preparation: 7471A
Initial/Final: 0.5893 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0703	mg/kg	1		7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

DUP-1

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-12
File ID: J12080S1-22
Sampled: 12/06/10 00:00
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:41
Solids: 91.02
Preparation: 7471A
Initial/Final: 0.6362 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0100	mg/kg	1	J	7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

SP-12-6-10

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-13
File ID: J12080S1-23
Sampled: 12/06/10 15:20
Prepared: 12/08/10 10:10
Analyzed: 12/08/10 12:42
Solids: 72.68
Preparation: 7471A
Initial/Final: 0.62 g / 50 mL
Batch: 10L0549
Sequence: T005587
Calibration: R10L036
Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0394	mg/kg	1		7471A

Form 2
INITIAL AND CONTINUING CALIBRATION CHECK
7471A

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Instrument ID: Leeman 3
Calibration: R10L036
Control Limt: +/- 20.00%
Sequence: T005587

Lab Sample ID	Analyte	True	Found	Units	%R	Limits	Method	Analyzed
T005587-ICV1	Mercury	3.00	3.06	ug/L	102	90 - 110	7471A	12/8/10 12:03
T005587-CCV1	Mercury	2.00	2.07	ug/L	104	80 - 120	7471A	12/8/10 12:08
T005587-CCV2	Mercury	2.00	2.01	ug/L	100	80 - 120	7471A	12/8/10 12:29
T005587-CCV3	Mercury	2.00	1.97	ug/L	98	80 - 120	7471A	12/8/10 12:51
T005587-CCV4	Mercury	2.00	2.02	ug/L	101	80 - 120	7471A	12/8/10 12:56

* Values outside of QC limits

Form 2B
LOW-CONCENTRATION CALIBRATION VERIFICATION
7471A

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solid
Calibration: R10L036
Laboratory ID: T005587-LCV1
Sequence: T005587
Standard ID: RT14485

ANALYTE	EXPECTED	FOUND	UNITS	% DRIFT	QC LIMIT
Mercury	0.200	0.197	ug/L	-1.5	50.00

* Values outside of QC limits

Form 3
BLANKS
7471A

Laboratory: TestAmerica Buffalo
Client: PARS Environmental, Inc.
Instrument ID: Leeman 3
Sequence: T005587

SDG: RTL0572
Project: NF Armed Forces Reserve Center Solids Testing
Calibration: R10L036

Lab Sample ID	Analyte	Found	MRL	Units	C	Method	Analyzed
T005587-ICB1	Mercury	-0.0260	0.240	ug/L		7471A	12/8/10 12:05
T005587-CCB1	Mercury	-0.0780	0.240	ug/L		7471A	12/8/10 12:10
T005587-CCB2	Mercury	-0.0530	0.240	ug/L		7471A	12/8/10 12:32
T005587-CCB3	Mercury	0.0280	0.240	ug/L		7471A	12/8/10 12:53
10L0549-BLK1	Mercury	ND	0.0198	mg/kg		7471A	12/8/10 12:55
T005587-CCB4	Mercury	-0.0140	0.240	ug/L		7471A	12/8/10 12:58

* Results at or above the reporting level.

Form 5A

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SP-12-6-10

7471A

Laboratory:	TestAmerica Buffalo	SDG:	RTL0572
Client:	PARS Environmental, Inc.	Project:	NF Armed Forces Reserve Center Solids Testing
Matrix:	Solid	Spike standard:	RT14476
Batch:	10L0549	Laboratory ID:	10L0549-MS1
Preparation:	7471A	Initial/Final:	0.6356 g / 50 mL

Source Sample Name: SP-12-6-10

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
Mercury	0.433	mg/kg dry	0.0394	0.489	104	75 - 125

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Mercury	0.440	mg/kg dry	0.471	98	4	20	75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

7471A

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solid
Matrix: Solid
Batch: 10L0549
Laboratory ID: 10L0549-SRM1
Preparation: 7471A
Initial/Final: 0.0674 g / 50 mL

ANALYTE	TRUE (mg/kg)	FOUND (mg/kg)	SRM % REC.	QC LIMITS REC.
Mercury	2.97	2.46	83	67.6 - 132.8

* Values outside of QC limits

Form 9

METHOD DETECTION AND REPORTING LIMITS

7471A

Laboratory: TestAmerica Buffalo
Client: PARS Environmental, Inc.
Matrix: Solid

SDG: RTL0572
Project: NF Armed Forces Reserve Center Solic
Instrument: Leeman 3

Analyte	IDL	IDL Units	MDL	MRL	MDL/MRL Units
Mercury	0.06900	ug/L	0.0081	0.0200	mg/kg

Form 11
LINEAR RANGE
7471A

Laboratory: TestAmerica Buffalo
Instrument: Leeman 3
Date: 1/29/2010 12:00:00AM

Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Te
SDG: RTL0572

Analyte	Integ.Time (Sec.)	Concentration	Units
Mercury	10	26	ug/L

Form 12

PREPARATION BATCH SUMMARY

7471A

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Batch: 10L0549 Batch Matrix: Solid
Preparation: 7471A

SAMPLE NAME	LAB SAMPLE ID	INITIAL	FINAL	DATE PREPARED	TOT/DIS
Blank	10L0549-BLK1	0.607 g	50.0 mL	12/08/10 10:10	Total
SP-12-6-10	10L0549-MS1	0.636 g	50.0 mL	12/08/10 10:10	Total
SP-12-6-10	10L0549-MSD1	0.625 g	50.0 mL	12/08/10 10:10	Total
Reference	10L0549-SRM1	0.0674 g	50.0 mL	12/08/10 10:10	Total
SP-1-5-7	RTL0572-01	0.600 g	50.0 mL	12/08/10 10:10	Total
SP-2-6-8	RTL0572-02	0.647 g	50.0 mL	12/08/10 10:10	Total
SP-3-4-6	RTL0572-03	0.650 g	50.0 mL	12/08/10 10:10	Total
SP-4-2-4	RTL0572-04	0.639 g	50.0 mL	12/08/10 10:10	Total
SP-5-2-4	RTL0572-05	0.601 g	50.0 mL	12/08/10 10:10	Total
SP-6-2-4	RTL0572-06	0.634 g	50.0 mL	12/08/10 10:10	Total
SP-7-4-6	RTL0572-07	0.613 g	50.0 mL	12/08/10 10:10	Total
SP-8-4-6	RTL0572-08	0.604 g	50.0 mL	12/08/10 10:10	Total
SP-9-2-4	RTL0572-09	0.644 g	50.0 mL	12/08/10 10:10	Total
SP-10-2-4	RTL0572-10	0.631 g	50.0 mL	12/08/10 10:10	Total
SP-11-2-4	RTL0572-11	0.589 g	50.0 mL	12/08/10 10:10	Total
DUP-1	RTL0572-12	0.636 g	50.0 mL	12/08/10 10:10	Total
SP-12-6-10	RTL0572-13	0.620 g	50.0 mL	12/08/10 10:10	Total

Form 13

ANALYSIS BATCH (SEQUENCE) SUMMARY

7471A

Laboratory: TestAmerica Buffalo
Client: PARS Environmental, Inc.
Sequence: T005587

SDG: RTL0572
Project: NF Armed Forces Reserve Center Solids Testing
Instrument: Leeman 3
Calibration: R10L036

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	T005587-CAL1	J12080C1	12/08/10 11:31
Cal Standard	T005587-CAL2	J12080C1	12/08/10 11:36
Cal Standard	T005587-CAL3	J12080C1	12/08/10 11:42
Cal Standard	T005587-CAL4	J12080C1	12/08/10 11:47
Cal Standard	T005587-CAL5	J12080C1	12/08/10 11:52
Cal Standard	T005587-CAL6	J12080C1	12/08/10 11:57
Initial Cal Check	T005587-ICV1	J12080S1-1	12/08/10 12:03
Initial Cal Blank	T005587-ICB1	J12080S1-2	12/08/10 12:05
Low Cal Check	T005587-LCV1	J12080S1-3	12/08/10 12:07
Calibration Check	T005587-CCV1	J12080S1-4	12/08/10 12:08
Calibration Blank	T005587-CCB1	J12080S1-5	12/08/10 12:10
SP-1-5-7	RTL0572-01	J12080S1-9	12/08/10 12:17
SP-2-6-8	RTL0572-02	J12080S1-10	12/08/10 12:19
SP-3-4-6	RTL0572-03	J12080S1-11	12/08/10 12:21
SP-4-2-4	RTL0572-04	J12080S1-12	12/08/10 12:22
SP-5-2-4	RTL0572-05	J12080S1-13	12/08/10 12:24
SP-6-2-4	RTL0572-06	J12080S1-14	12/08/10 12:26
SP-7-4-6	RTL0572-07	J12080S1-15	12/08/10 12:28
Calibration Check	T005587-CCV2	J12080S1-16	12/08/10 12:29
Calibration Blank	T005587-CCB2	J12080S1-17	12/08/10 12:32
SP-8-4-6	RTL0572-08	J12080S1-18	12/08/10 12:34
SP-9-2-4	RTL0572-09	J12080S1-19	12/08/10 12:36
SP-10-2-4	RTL0572-10	J12080S1-20	12/08/10 12:37
SP-11-2-4	RTL0572-11	J12080S1-21	12/08/10 12:39
DUP-1	RTL0572-12	J12080S1-22	12/08/10 12:41
SP-12-6-10	RTL0572-13	J12080S1-23	12/08/10 12:42
SP-12-6-10	T005587-SRD1	J12080S1-24	12/08/10 12:44
SP-12-6-10	10L0549-MS1	J12080S1-25	12/08/10 12:46
SP-12-6-10	10L0549-MSD1	J12080S1-26	12/08/10 12:48
Reference	10L0549-SRM1	J12080S1-27	12/08/10 12:49
Calibration Check	T005587-CCV3	J12080S1-28	12/08/10 12:51
Calibration Blank	T005587-CCB3	J12080S1-29	12/08/10 12:53
Blank	10L0549-BLK1	J12080S1-30	12/08/10 12:55
Calibration Check	T005587-CCV4	J12080S1-31	12/08/10 12:56
Calibration Blank	T005587-CCB4	J12080S1-32	12/08/10 12:58

HOLDING TIME SUMMARY

7471A

Laboratory: TestAmerica Buffalo SDG: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testin

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SP-1-5-7	12/06/10 09:05	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:17	2	28	
SP-2-6-8	12/06/10 09:40	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:19	2	28	
SP-3-4-6	12/06/10 10:10	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:21	2	28	
SP-4-2-4	12/06/10 10:40	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:22	2	28	
SP-5-2-4	12/06/10 11:50	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:24	2	28	
SP-6-2-4	12/06/10 12:20	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:26	2	28	
SP-7-4-6	12/06/10 12:40	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:28	2	28	
SP-8-4-6	12/06/10 13:00	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:34	2	28	
SP-9-2-4	12/06/10 13:40	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:36	2	28	
SP-10-2-4	12/06/10 14:15	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:37	2	28	
SP-11-2-4	12/06/10 14:35	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:39	2	28	
DUP-1	12/06/10 00:00	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:41	2	28	
SP-12-6-10	12/06/10 15:20	12/06/10 17:15	12/08/10 10:10	2	28	12/08/10 12:42	2	28	

* Indicates a Holding Time violation.

Metals EXAMPLE CALCULATION
Aqueous Matrix - Methods 6010 and 200.7

Default Calculation:

$$\frac{\text{Amt (ppm)} \times \text{DF} \times \text{FV}}{\text{SV}} = \text{mg/l}$$

Amt = ppm on instrument
DF=Dilution Factor (no units)
FV = Final Volume (ml)
SV = Sample Volume (ml)

Aqueous Matrix - Methods 6020, 200.8, 7470, and 245.1

Default Calculation:

$$\frac{\text{Amt (ppb)} \times \text{DF} \times \text{FV}}{\text{SV}} = \text{ug/l}$$

Amt = ppb on instrument
DF=Dilution Factor (no units)
FV = Final Volume (ml)
SV = Sample Volume (ml)

Method 6010
Soil Matrix

Default Calculation:

$$\frac{\text{Amt (ppm)} \times \text{DF} \times \text{FV}}{\text{Wt}} / \text{Dry wt} \times 100 = \text{mg/kg}$$

Amt = ppm on instrument
DF=Dilution Factor (no units)
FV = Final Volume (ml)
Wt=Init Weight (g)
Dry Wt (g)

Mercury-Method 7471
Soil Matrix

Default Calculation:

$$\frac{\text{Amt (ppb)} \times \text{DF} \times \text{FV}}{\text{Wt}} / \text{Dry wt} \times 0.1 = \text{ug/kg}$$

Amt = ppb on instrument
DF=Dilution Factor (no units)
FV = Final Volume (ml)
Wt=Init Weight (g)
Dry Wt (g)

Run File: I1120910A Instrument: ICAP 1

Analyst: AMH Primary Review: UMH 12/15/10 Secondary Review: AMH 12/15/10

Spikes IDs: RT10383, RT10384, RT13510(Sn), RT13511(Ag), RT06631(TCLP)
Pipette IDs: 12-06-10-(1-7,8,10,13,14)
Internal Standard: RT14770

1	I1120910A	SEQ-CAL1	12/9/2010	9:33:42AM	Standard RT14765
2	I1120910A	SEQ-CAL2	12/9/2010	9:35:51AM	Standard RT14990
3	I1120910A	SEQ-CAL3	12/9/2010	9:37:55AM	Standard RT14989
4	I1120910A	SEQ-CAL4	12/9/2010	9:39:59AM	Standard RT14988
5	I1120910A	SEQ-ICV	12/9/2010	9:42:01AM	QC RT14952
6	I1120910A	SEQ-ICB	12/9/2010	9:44:05AM	QC RT14765
7	I1120910A	SEQ-LCV	12/9/2010	9:46:16AM	QC RT14778
8	I1120910A	SEQ-IFA	12/9/2010	9:48:24AM	QC RT14316
9	I1120910A	SEQ-IFB	12/9/2010	9:50:37AM	QC RT14642
10	I1120910A	SEQ-CCV	12/9/2010	9:52:50AM	QC RT14951
11	I1120910A	SEQ-CCB	12/9/2010	9:54:54AM	QC RT14765
12	I1120910A	10I0535-blk1	12/9/2010	9:57:03AM	Unknown
13	I1120910A	10I0535-srm1	12/9/2010	9:59:12AM	Unknown
14	I1120910A	RTL0493-04	12/9/2010	10:01:12AM	Unknown
15	I1120910A	SEQ-CCV	12/9/2010	10:03:23AM	QC
16	I1120910A	SEQ-CCB	12/9/2010	10:05:29AM	QC
17	I1120910A	RTL0571-01	12/9/2010	10:07:42AM	Unknown
18	I1120910A	RTL0571-02	12/9/2010	10:09:47AM	Unknown
19	I1120910A	RTL0572-01	12/9/2010	10:11:53AM	Unknown
20	I1120910A	RTL0572-02	12/9/2010	10:14:10AM	Unknown
21	I1120910A	RTL0572-03	12/9/2010	10:16:22AM	Unknown
22	I1120910A	RTL0572-04	12/9/2010	10:18:31AM	Unknown
23	I1120910A	RTL0572-05	12/9/2010	10:20:39AM	Unknown
24	I1120910A	RTL0572-06	12/9/2010	10:22:45AM	Unknown
25	I1120910A	RTL0572-07	12/9/2010	10:24:54AM	Unknown
26	I1120910A	RTL0572-08	12/9/2010	10:27:06AM	Unknown
27	I1120910A	SEQ-CCV	12/9/2010	10:29:11AM	QC
28	I1120910A	SEQ-CCB	12/9/2010	10:31:16AM	QC
29	I1120910A	RTL0572-09	12/9/2010	10:33:27AM	Unknown
30	I1120910A	RTL0572-10	12/9/2010	10:35:35AM	Unknown
31	I1120910A	RTL0572-11	12/9/2010	10:37:46AM	Unknown
32	I1120910A	RTL0572-12	12/9/2010	10:39:57AM	Unknown
33	I1120910A	RTL0572-13	12/9/2010	10:42:05AM	Unknown
34	I1120910A	SEQ-SRD@5	12/9/2010	10:44:17AM	Unknown
35	I1120910A	10L0535-PS1	12/9/2010	10:46:23AM	Unknown
36	I1120910A	10L0535-MS1	12/9/2010	10:48:32AM	Unknown
37	I1120910A	10L0535-MSD1	12/9/2010	10:50:41AM	Unknown
38	I1120910A	RTL0614-06	12/9/2010	10:52:43AM	Unknown
39	I1120910A	SEQ-CCV	12/9/2010	10:54:52AM	QC
40	I1120910A	SEQ-CCB	12/9/2010	10:56:57AM	QC
41	I1120910A	RTL0407-03 diss raw	12/9/2010	10:59:09AM	Unknown
42	I1120910A	RTL0520-04 diss raw	12/9/2010	11:01:16AM	Unknown
43	I1120910A	RTK1165-05 Traw	12/9/2010	11:03:23AM	Unknown
44	I1120910A	RTK1245-08 T raw	12/9/2010	11:05:33AM	Unknown

45	I1120910A	RTK1331-03 T raw	12/9/2010	11:07:40AM	Unknown
46	I1120910A	RTL0476-02 T raw	12/9/2010	11:09:48AM	Unknown
47	I1120910A	RTL0476-03 T raw	12/9/2010	11:11:56AM	Unknown
48	I1120910A	RTL0476-04 T raw	12/9/2010	11:14:05AM	Unknown
49	I1120910A	RTL0572-01@5	12/9/2010	11:16:15AM	Unknown
50	I1120910A	RTL0572-02@5	12/9/2010	11:18:23AM	Unknown
51	I1120910A	SEQ-CCV	12/9/2010	11:20:33AM	QC
52	I1120910A	SEQ-CCB	12/9/2010	11:22:37AM	QC
53	I1120910A	RTL0572-07@5	12/9/2010	11:24:49AM	Unknown
54	I1120910A	RTL0580-01@5	12/9/2010	11:26:54AM	Unknown
55	I1120910A	SEQ-SRD@25	12/9/2010	11:29:02AM	Unknown
56	I1120910A	10L0528-PS1@5	12/9/2010	11:31:10AM	Unknown
57	I1120910A	10L0528-MS1@5	12/9/2010	11:33:12AM	Unknown
58	I1120910A	10L0528-MSD1@5	12/9/2010	11:35:19AM	Unknown
59	I1120910A	10L0530-BLK1	12/9/2010	11:37:26AM	Unknown
60	I1120910A	10L0530-BS1	12/9/2010	11:39:36AM	Unknown
61	I1120910A	RTL0587-01	12/9/2010	11:41:38AM	Unknown
62	I1120910A	RTL0587-02	12/9/2010	11:43:46AM	Unknown
63	I1120910A	SEQ-CCV	12/9/2010	11:45:54AM	QC
64	I1120910A	SEQ-CCB	12/9/2010	11:48:00AM	QC
65	I1120910A	SEQ-SRD@5	12/9/2010	11:50:14AM	Unknown
66	I1120910A	10L0530-PS1	12/9/2010	11:52:22AM	Unknown
67	I1120910A	10L0530-MS1	12/9/2010	11:54:25AM	Unknown
68	I1120910A	10L0530-MSD1	12/9/2010	11:56:29AM	Unknown
69	I1120910A	RTL0587-01@10	12/9/2010	11:58:34AM	Unknown
70	I1120910A	RTL0587-02@10	12/9/2010	12:00:42PM	Unknown
71	I1120910A	SEQ-SRD@5	12/9/2010	12:02:49PM	Unknown
72	I1120910A	10L0530-PS1@10	12/9/2010	12:05:00PM	Unknown
73	I1120910A	10L0530-MS1@10	12/9/2010	12:07:03PM	Unknown
74	I1120910A	10L0530-MSD1@10	12/9/2010	12:09:13PM	Unknown
75	I1120910A	SEQ-CCV	12/9/2010	12:11:26PM	QC
76	I1120910A	SEQ-CCB	12/9/2010	12:13:30PM	QC
77	I1120910A	SEQ-LCV	12/9/2010	12:15:42PM	QC
78	I1120910A	SEQ-IFA	12/9/2010	12:17:53PM	QC
79	I1120910A	SEQ-IFB	12/9/2010	12:20:06PM	QC
80	I1120910A	SEQ-CCV	12/9/2010	12:22:22PM	QC
81	I1120910A	SEQ-CCB	12/9/2010	12:24:27PM	QC

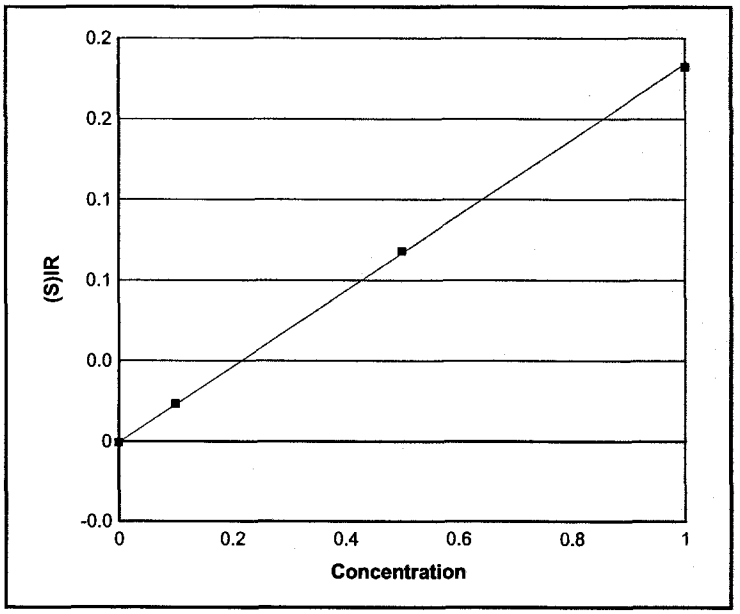
I1120910A

Report Author: AMH

Published: 09/12/2010 12:41:17

Instrument Name: ICAP 1 Serial Number: 20094603

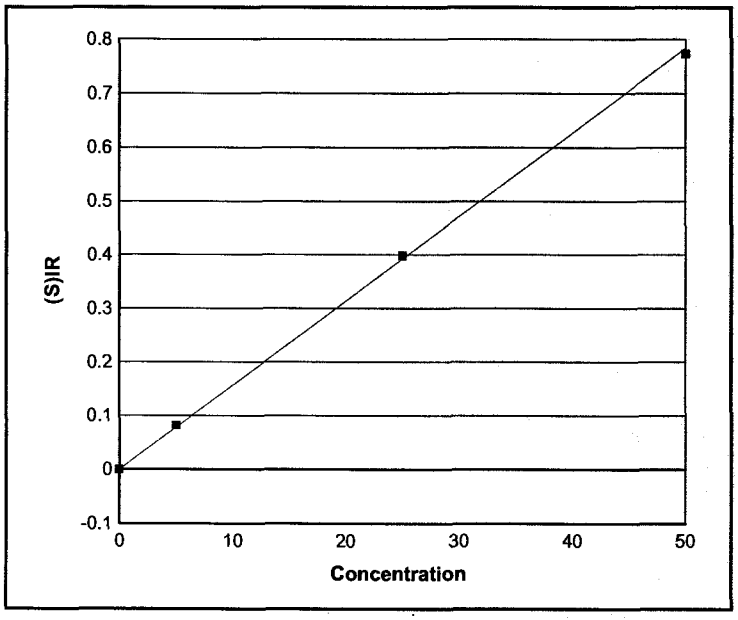
Method Name: ICAP1 (56)



Element Name:	Ag
Element Wavelength:	Ag 328.068 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999930
A0 (Offset):	-0.000539
A1 (Gain):	0.187897
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

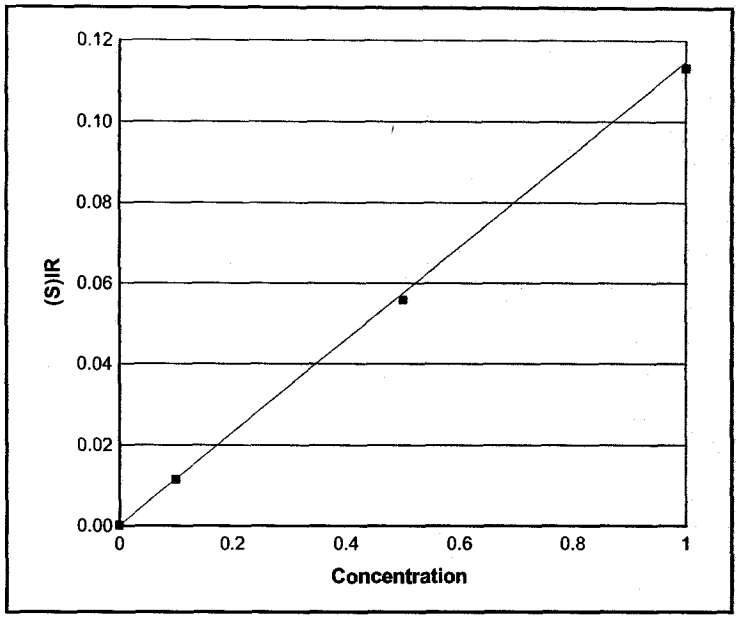
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	0.99	-0.01	-0.88	0.19	0.00	1
SEQ-CAL2	0.10	0.10	0.00	2.68	0.02	0.00	1
SEQ-CAL3	0.50	0.51	0.01	1.22	0.09	0.00	1



Element Name:	Al
Element Wavelength:	Al 308.215 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999821
A0 (Offset):	-0.000111
A1 (Gain):	0.015682
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

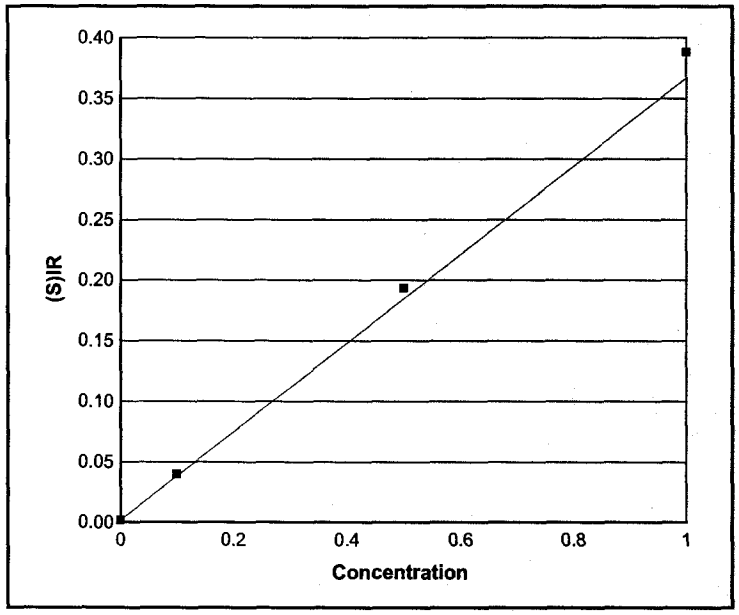
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	50.00	49.34	-0.66	-1.32	0.77	0.00	1
SEQ-CAL2	5.00	5.26	0.26	5.16	0.08	0.00	1
SEQ-CAL3	25.00	25.40	0.40	1.61	0.40	0.00	1



Element Name:	As
Element Wavelength:	As 189.042 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999976
A0 (Offset):	0.000180
A1 (Gain):	0.114742
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

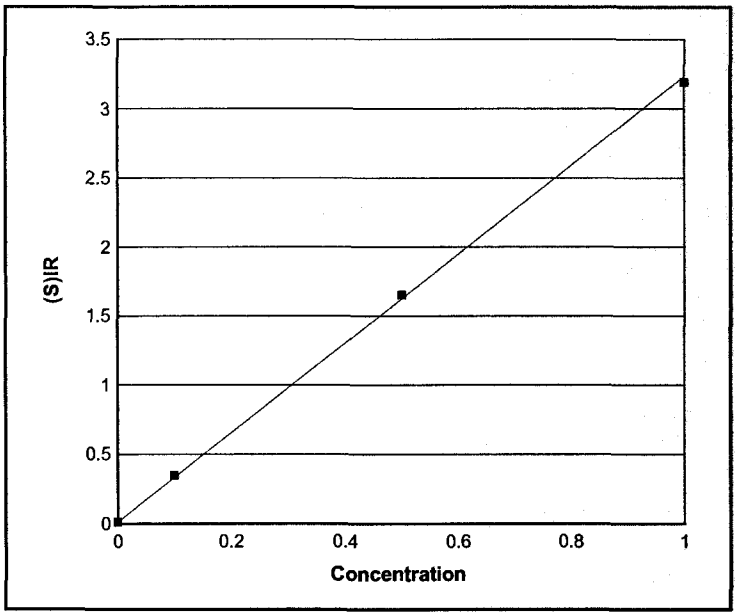
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.00	0.00	0.46	0.11	0.00	1
SEQ-CAL2	0.10	0.10	0.00	0.45	0.01	0.00	1
SEQ-CAL3	0.50	0.49	-0.01	-1.01	0.06	0.00	1



Element Name:	B
Element Wavelength:	B 208.959 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999991
A0 (Offset):	0.001856
A1 (Gain):	0.365305
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

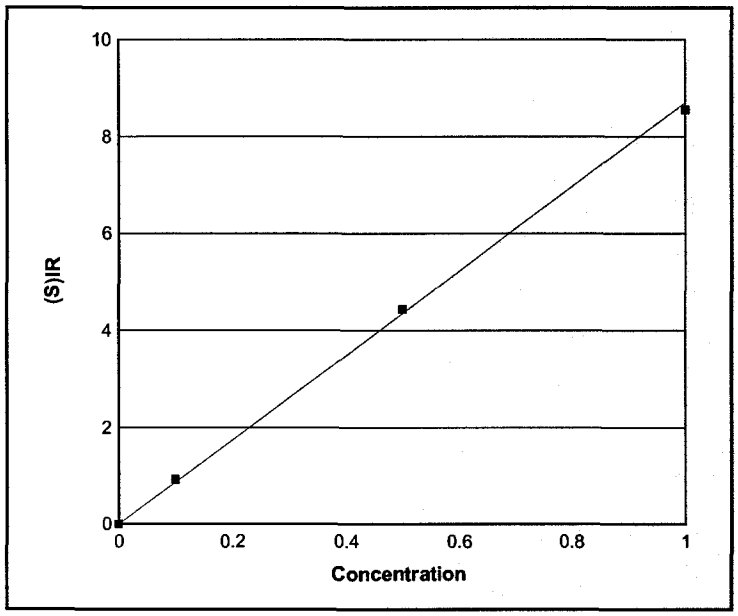
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.00	0.00	0.34	0.39	0.00	1
SEQ-CAL2	0.10	0.10	0.00	-0.59	0.04	0.00	1
SEQ-CAL3	0.50	0.50	0.00	-0.57	0.19	0.00	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999857
A0 (Offset):	0.011558
A1 (Gain):	3.221465
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

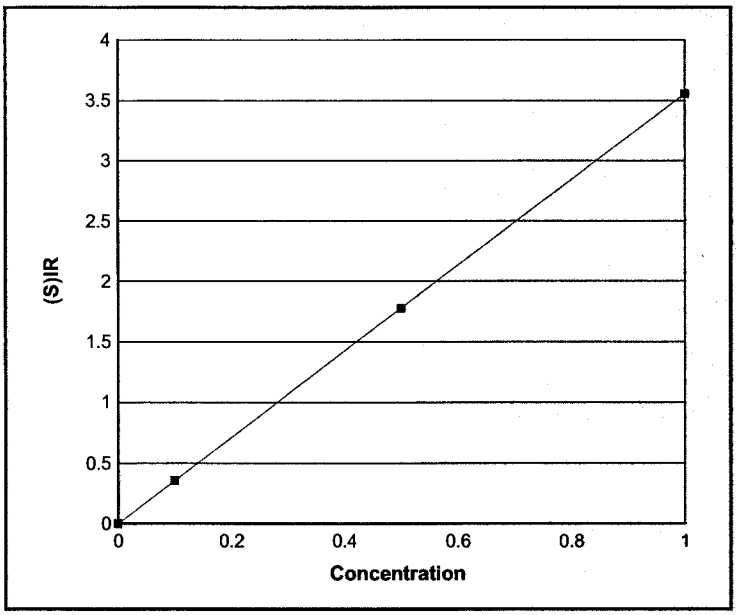
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.01	0.00	1
SEQ-CAL4	1.00	0.99	-0.01	-1.27	3.19	0.01	1
SEQ-CAL2	0.10	0.10	0.00	3.68	0.35	0.00	1
SEQ-CAL3	0.50	0.51	0.01	1.80	1.65	0.01	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999721
A0 (Offset):	0.003068
A1 (Gain):	8.702648
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

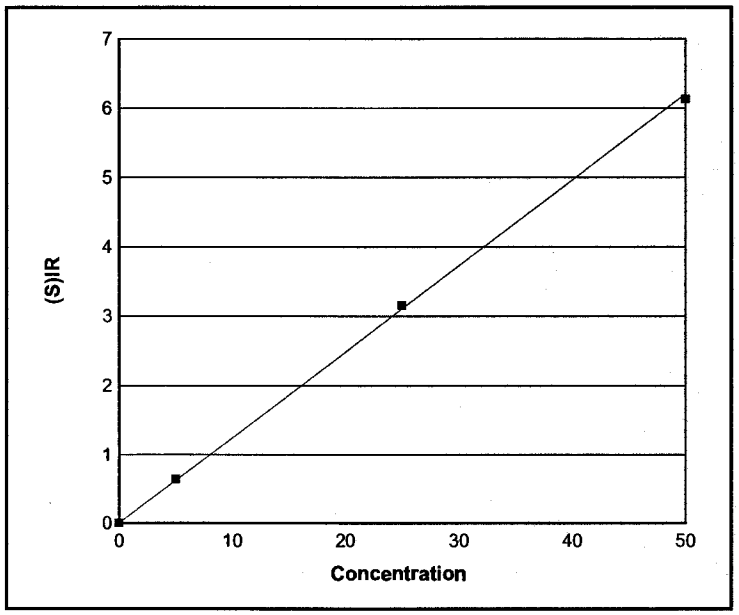
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	0.98	-0.02	-1.67	8.56	0.02	1
SEQ-CAL2	0.10	0.11	0.01	6.32	0.93	0.00	1
SEQ-CAL3	0.50	0.51	0.01	2.07	4.44	0.01	1



Element Name:	Be
Element Wavelength:	Be 313.042 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999997
A0 (Offset):	0.000933
A1 (Gain):	3.555985
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

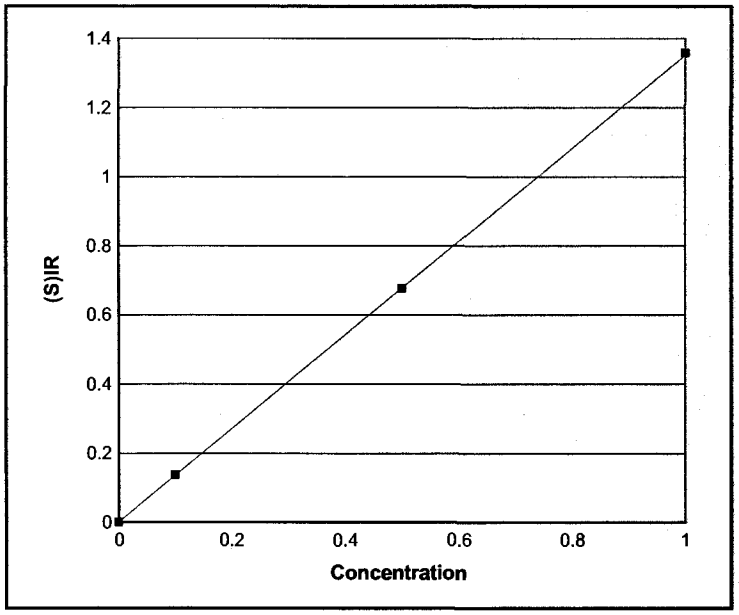
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.00	0.00	-0.05	3.55	0.01	1
SEQ-CAL2	0.10	0.10	0.00	0.97	0.36	0.00	1
SEQ-CAL3	0.50	0.50	0.00	-0.09	1.78	0.00	1



Element Name:	Ca
Element Wavelength:	Ca 317.933 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999873
A0 (Offset):	0.006096
A1 (Gain):	0.123953
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

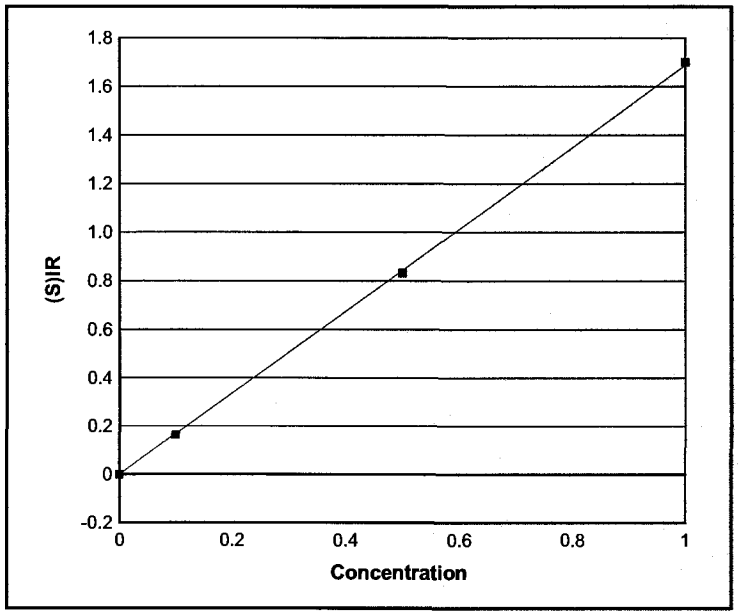
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.01	0.00	1
SEQ-CAL4	50.00	49.40	-0.60	-1.20	6.13	0.00	1
SEQ-CAL2	5.00	5.17	0.17	3.43	0.65	0.00	1
SEQ-CAL3	25.00	25.43	0.43	1.71	3.16	0.01	1



Element Name:	Cd
Element Wavelength:	Cd 228.802 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999996
A0 (Offset):	0.001604
A1 (Gain):	1.350233
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

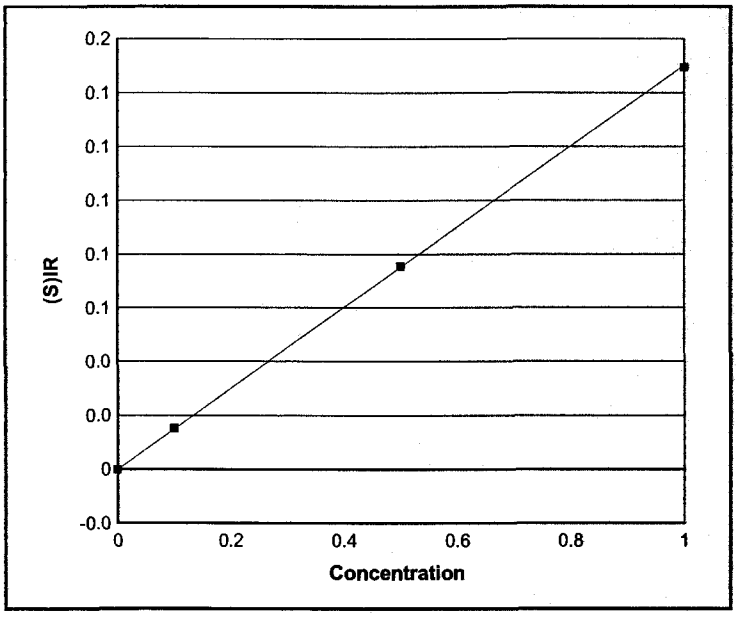
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.00	0.00	0.16	1.36	0.00	1
SEQ-CAL2	0.10	0.10	0.00	0.33	0.14	0.00	1
SEQ-CAL3	0.50	0.50	0.00	-0.40	0.68	0.00	1



Element Name:	Co
Element Wavelength:	Co 228.616 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999936
A0 (Offset):	-0.000102
A1 (Gain):	1.687418
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

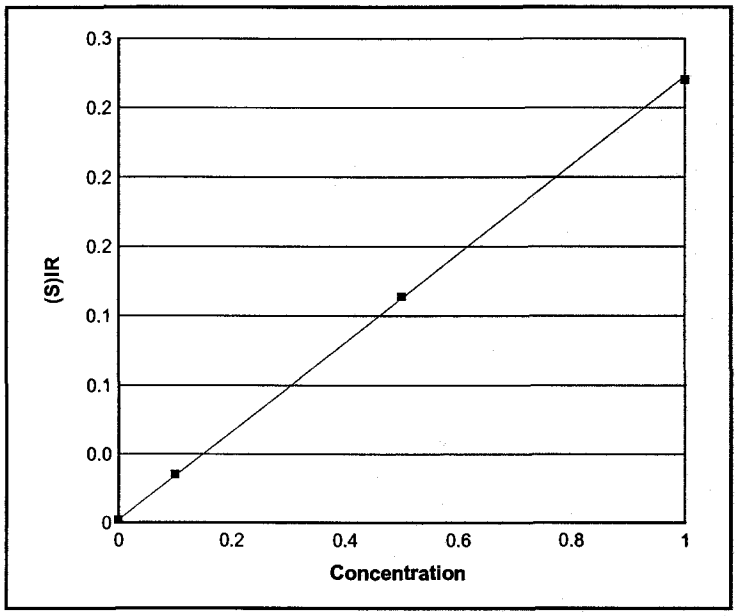
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.01	0.01	0.85	1.70	0.00	1
SEQ-CAL2	0.10	0.10	0.00	-2.38	0.16	0.00	1
SEQ-CAL3	0.50	0.49	-0.01	-1.22	0.83	0.00	1



Element Name:	Cr
Element Wavelength:	Cr 267.716 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999977
A0 (Offset):	-0.000006
A1 (Gain):	0.150215
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

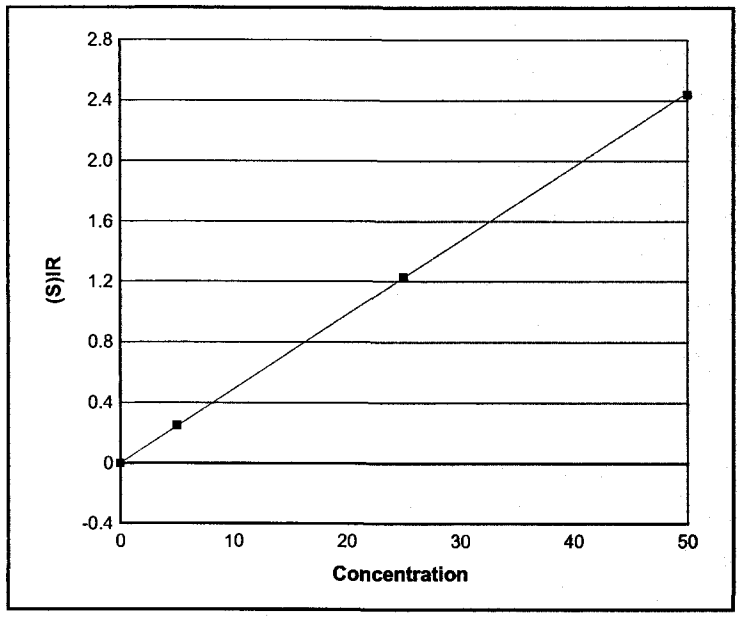
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.00	0.00	-0.47	0.15	0.00	1
SEQ-CAL2	0.10	0.10	0.00	1.93	0.02	0.00	1
SEQ-CAL3	0.50	0.50	0.00	0.55	0.08	0.00	1



Element Name:	Cu
Element Wavelength:	Cu 324.754 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999928
A0 (Offset):	0.001772
A1 (Gain):	0.256474
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

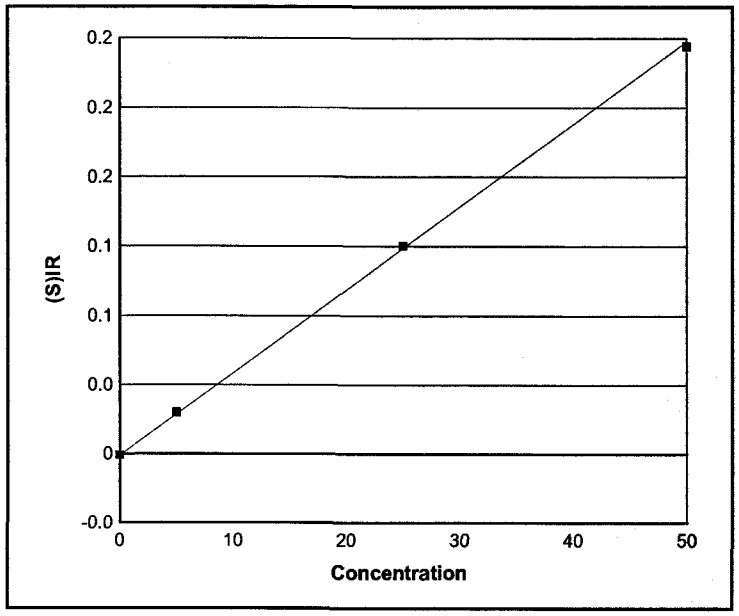
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	0.99	-0.01	-0.80	0.26	0.00	1
SEQ-CAL2	0.10	0.10	0.00	3.58	0.03	0.00	1
SEQ-CAL3	0.50	0.50	0.00	0.88	0.13	0.00	1



Element Name:	Fe
Element Wavelength:	Fe 259.940 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999974
A0 (Offset):	-0.000101
A1 (Gain):	0.049009
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

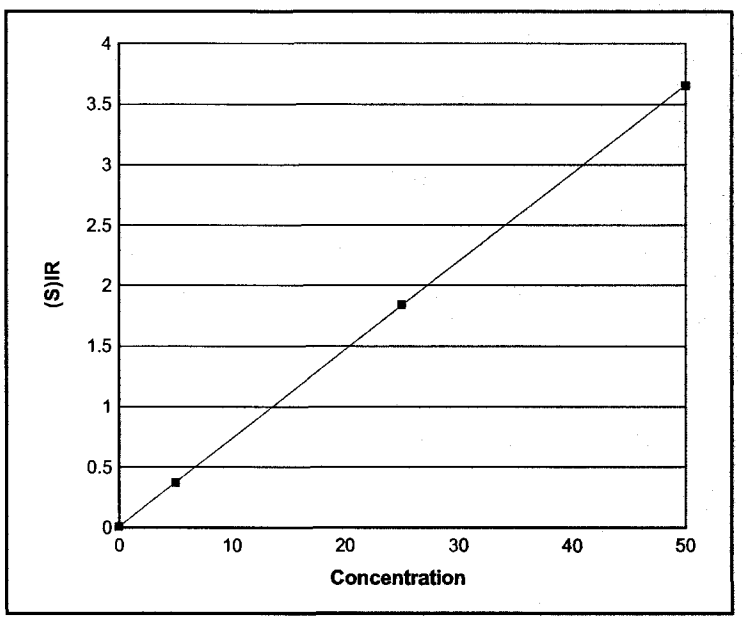
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	50.00	49.78	-0.22	-0.44	2.44	0.01	1
SEQ-CAL2	5.00	5.12	0.12	2.34	0.25	0.00	1
SEQ-CAL3	25.00	25.11	0.11	0.42	1.23	0.01	1



Element Name:	Fe
Element Wavelength:	Fe 271.441 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999863
A0 (Offset):	-0.000875
A1 (Gain):	0.004782
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

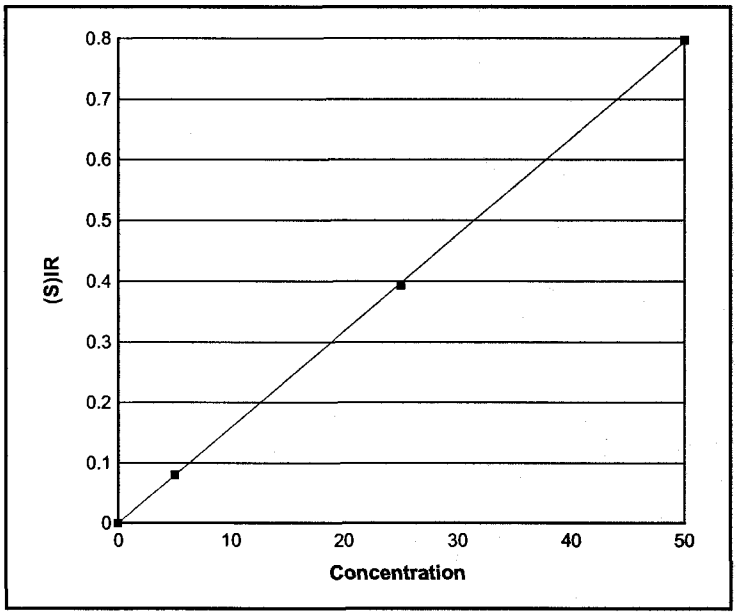
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	50.00	49.43	-0.57	-1.15	0.24	0.00	1
SEQ-CAL2	5.00	5.23	0.23	4.64	0.02	0.00	1
SEQ-CAL3	25.00	25.34	0.34	1.37	0.12	0.00	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999996
A0 (Offset):	0.010033
A1 (Gain):	0.072959
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		QC Normalize	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

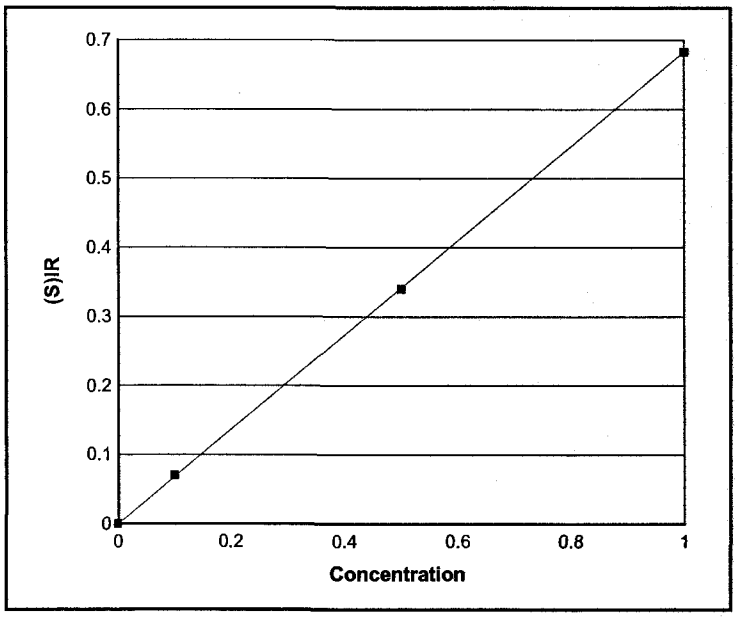
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.01	0.00	1
SEQ-CAL4	50.00	49.94	-0.06	-0.12	3.65	0.01	1
SEQ-CAL2	5.00	4.97	-0.03	-0.58	0.37	0.00	1
SEQ-CAL3	25.00	25.09	0.09	0.36	1.84	0.00	1



Element Name:	Mg
Element Wavelength:	Mg 279.079 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999973
A0 (Offset):	0.000053
A1 (Gain):	0.015883
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		QC Normalize	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

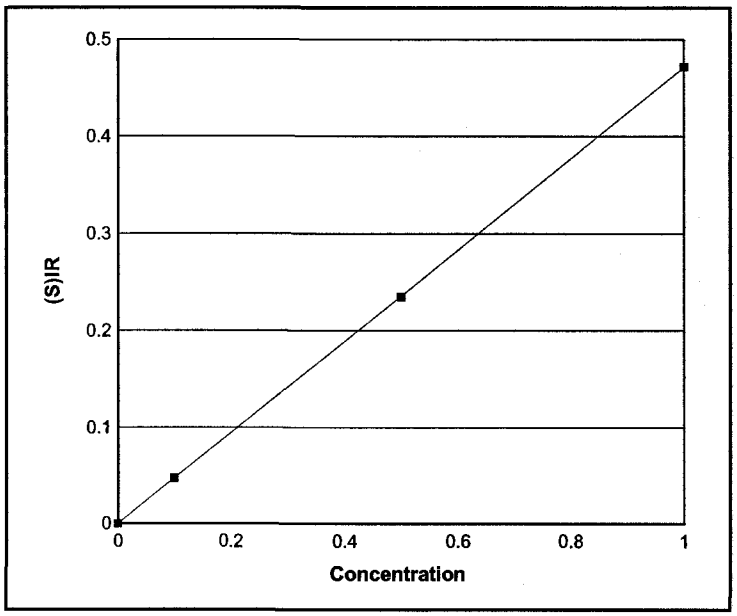
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	50.00	50.18	0.18	0.36	0.80	0.01	1
SEQ-CAL2	5.00	5.07	0.07	1.47	0.08	0.00	1
SEQ-CAL3	25.00	24.75	-0.25	-1.01	0.39	0.00	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999976
A0 (Offset):	0.000033
A1 (Gain):	0.682920
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		QC Normalize	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

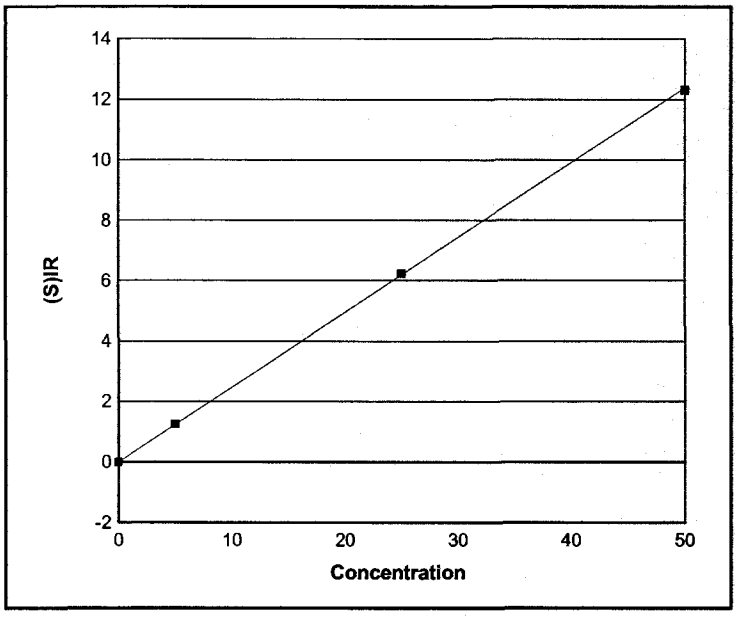
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.00	0.00	-0.05	0.68	0.01	1
SEQ-CAL2	0.10	0.10	0.00	2.62	0.07	0.00	1
SEQ-CAL3	0.50	0.50	0.00	-0.43	0.34	0.00	1



Element Name:	Mo
Element Wavelength:	Mo 202.030 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999997
A0 (Offset):	0.000311
A1 (Gain):	0.471052
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		QC Normalize	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

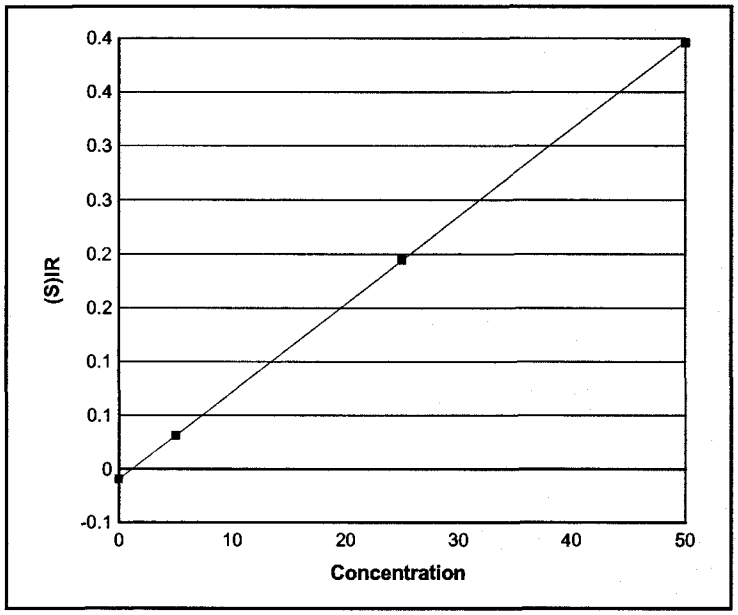
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.00	0.00	0.16	0.47	0.00	1
SEQ-CAL2	0.10	0.10	0.00	0.06	0.05	0.00	1
SEQ-CAL3	0.50	0.50	0.00	-0.34	0.24	0.00	1



Element Name:	Na
Element Wavelength:	Na 589.592 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999970
A0 (Offset):	-0.006238
A1 (Gain):	0.247708
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

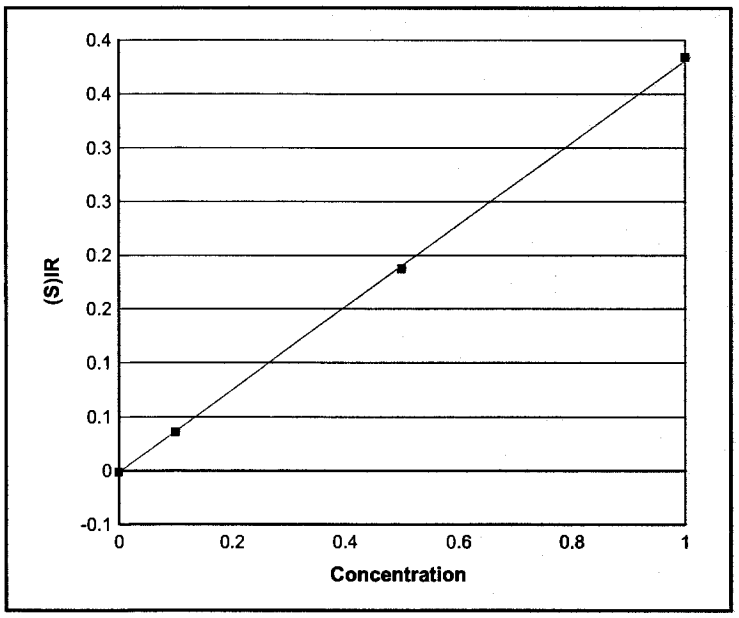
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	-0.01	0.00	1
SEQ-CAL4	50.00	49.71	-0.29	-0.59	12.31	0.03	1
SEQ-CAL2	5.00	5.08	0.08	1.58	1.25	0.01	1
SEQ-CAL3	25.00	25.22	0.22	0.86	6.24	0.03	1



Element Name:	Na
Element Wavelength:	Na 818.326 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999993
A0 (Offset):	-0.009289
A1 (Gain):	0.008128
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

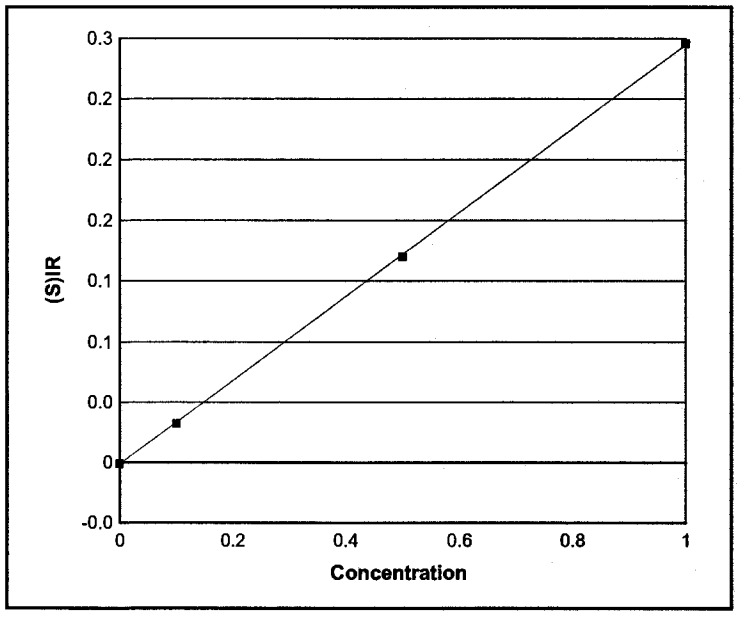
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	-0.01	0.00	1
SEQ-CAL4	50.00	49.86	-0.14	-0.28	0.40	0.00	1
SEQ-CAL2	5.00	5.04	0.04	0.71	0.03	0.00	1
SEQ-CAL3	25.00	25.10	0.10	0.41	0.19	0.00	1



Element Name:	Ni
Element Wavelength:	Ni 231.604 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999936
A0 (Offset):	-0.001228
A1 (Gain):	0.382419
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		QC Normalize	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

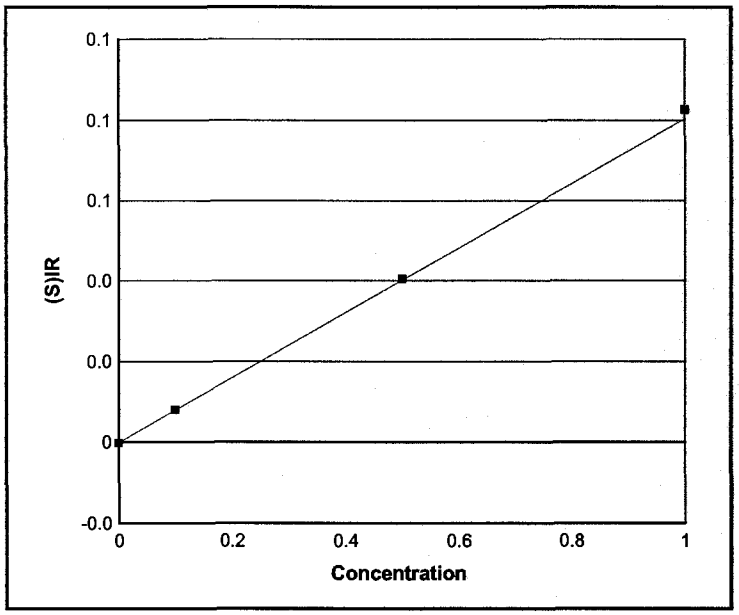
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.01	0.01	0.87	0.38	0.00	1
SEQ-CAL2	0.10	0.10	0.00	-1.85	0.04	0.00	1
SEQ-CAL3	0.50	0.49	-0.01	-1.38	0.19	0.00	1



Element Name:	Pb
Element Wavelength:	Pb 220.353 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999952
A0 (Offset):	-0.000854
A1 (Gain):	0.276571
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		QC Normalize	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

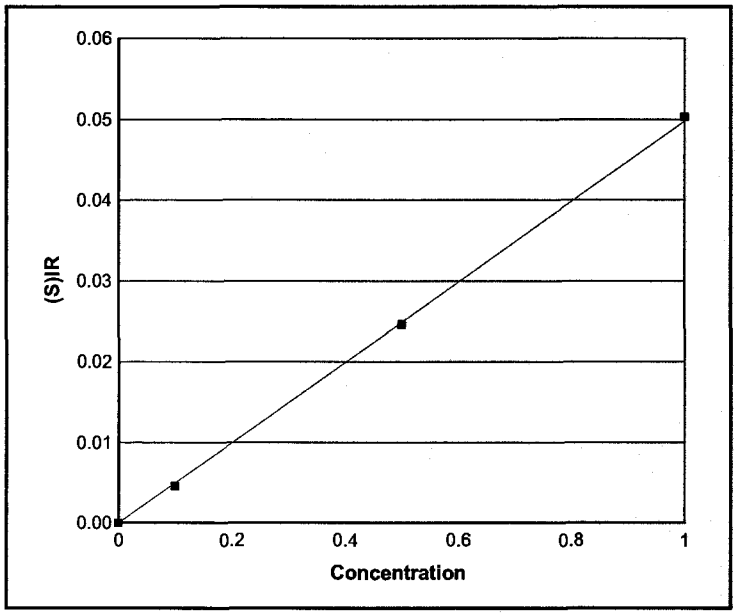
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.01	0.01	0.67	0.28	0.00	1
SEQ-CAL2	0.10	0.10	0.00	-2.78	0.03	0.00	1
SEQ-CAL3	0.50	0.50	0.00	-0.78	0.14	0.00	1



Element Name:	Sb
Element Wavelength:	Sb 206.833 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999960
A0 (Offset):	-0.000098
A1 (Gain):	0.080492
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

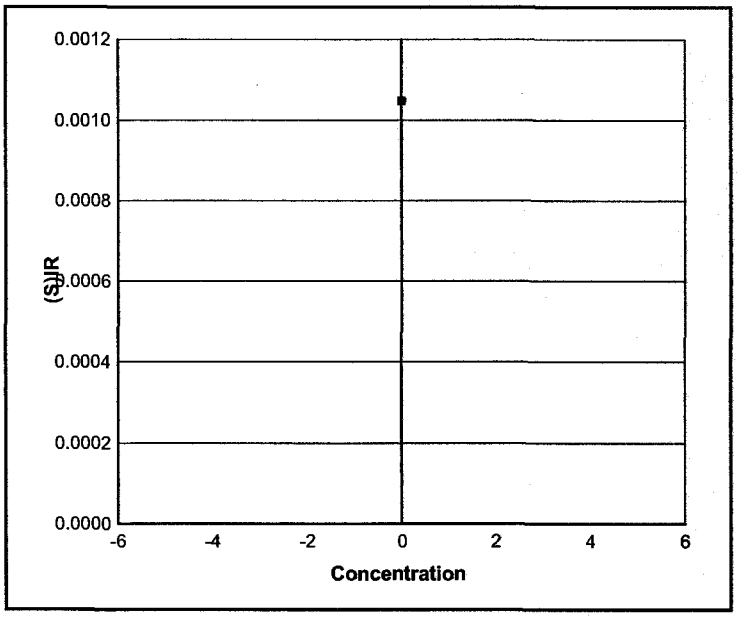
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.01	0.01	0.70	0.08	0.00	1
SEQ-CAL2	0.10	0.10	0.00	-0.87	0.01	0.00	1
SEQ-CAL3	0.50	0.49	-0.01	-1.24	0.04	0.00	1



Element Name:	Se
Element Wavelength:	Se 196.090 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999759
A0 (Offset):	0.000017
A1 (Gain):	0.049744
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

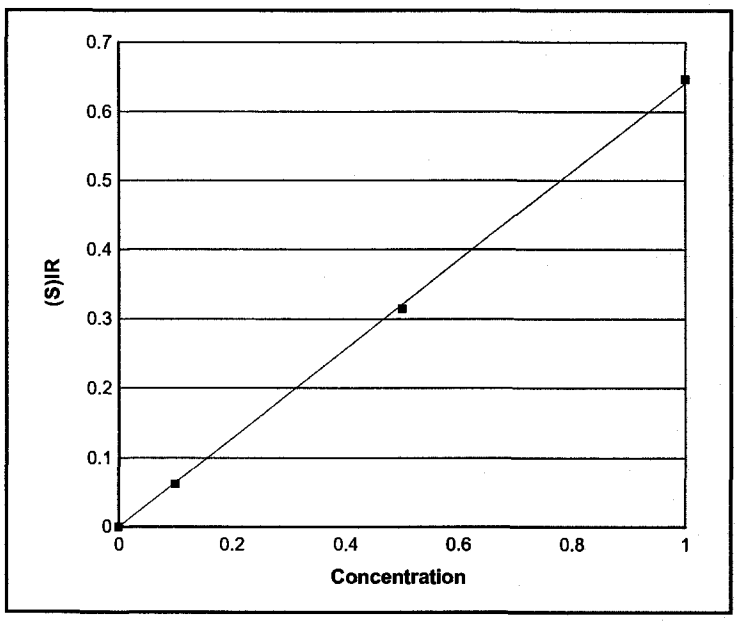
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.01	0.01	1.24	0.05	0.00	1
SEQ-CAL2	0.10	0.09	-0.01	-7.53	0.00	0.00	1
SEQ-CAL3	0.50	0.50	0.00	-0.98	0.02	0.00	1



Element Name:	Si
Element Wavelength:	Si 288.158 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:35:48AM
Date of Fit:	12/9/2010 9:35:48AM
Type of Fit:	Linear
Correlation:	0.000000
A0 (Offset):	0.000000
A1 (Gain):	0.000000
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

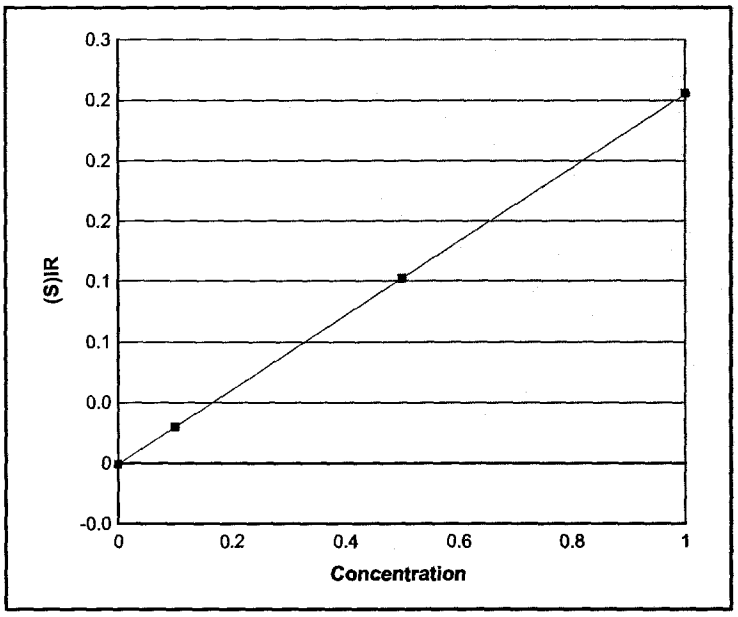
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00			0.00	0.00	0.00	1



Element Name:	Sn
Element Wavelength:	Sn 189.989 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999893
A0 (Offset):	0.000240
A1 (Gain):	0.641089
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

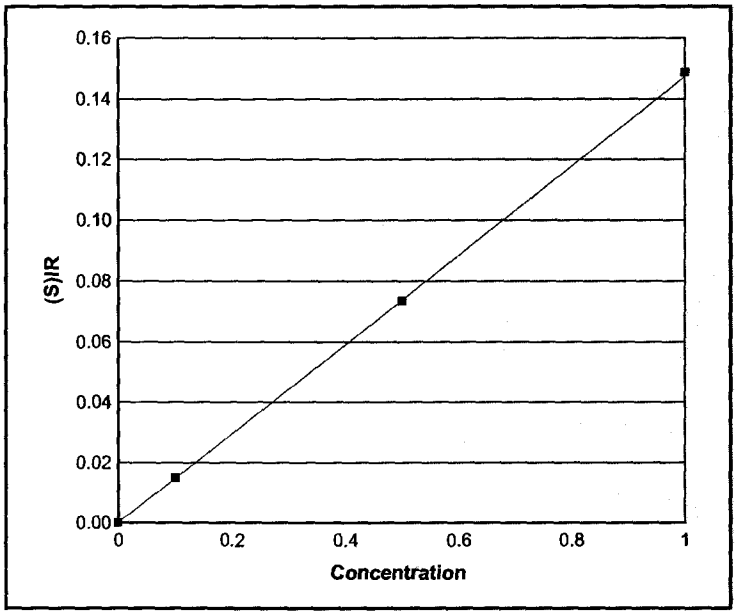
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.01	0.01	1.10	0.65	0.00	1
SEQ-CAL2	0.10	0.10	0.00	-2.99	0.06	0.00	1
SEQ-CAL3	0.50	0.49	-0.01	-1.61	0.32	0.00	1



Element Name:	Ti
Element Wavelength:	Ti 334.904 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999999
A0 (Offset):	-0.000552
A1 (Gain):	0.244660
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

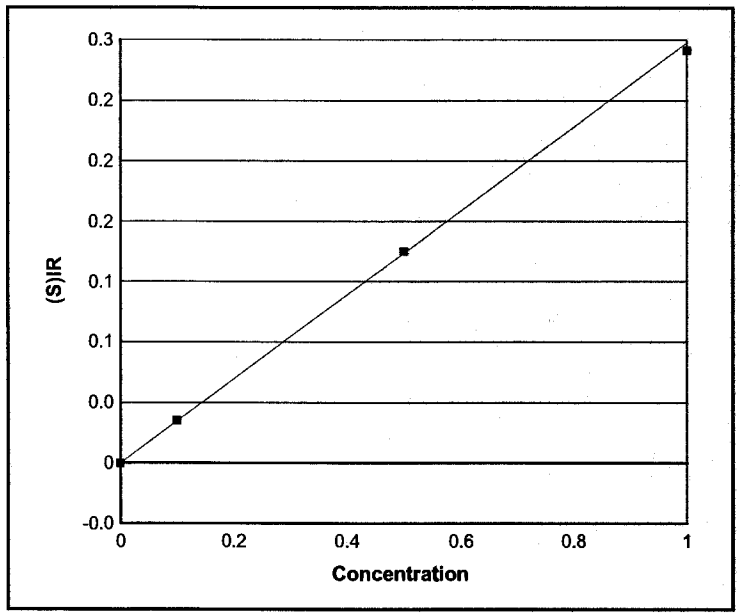
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.00	0.00	0.09	0.24	0.00	1
SEQ-CAL2	0.10	0.10	0.00	0.20	0.02	0.00	1
SEQ-CAL3	0.50	0.50	0.00	-0.22	0.12	0.00	1



Element Name:	Tl
Element Wavelength:	Tl 190.856 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999988
A0 (Offset):	0.000115
A1 (Gain):	0.147144
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		**QC Normalize**	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

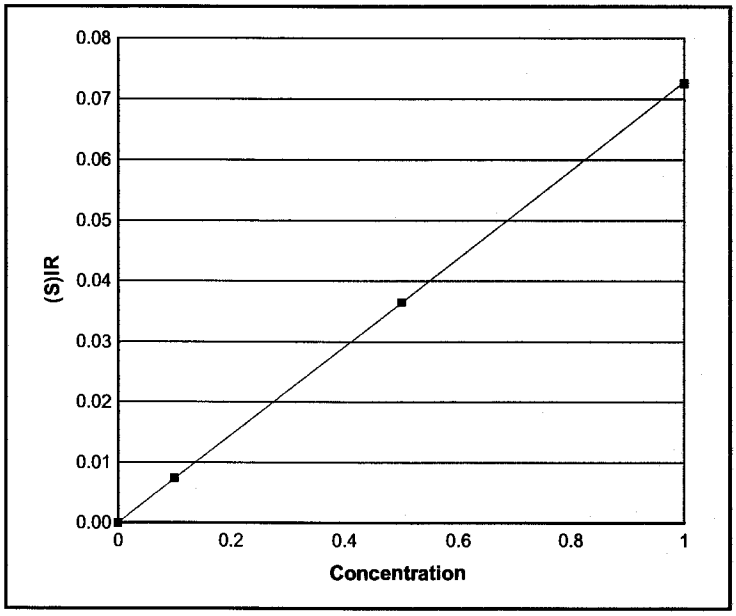
Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.00	0.00	0.34	0.15	0.00	1
SEQ-CAL2	0.10	0.10	0.00	0.29	0.01	0.00	1
SEQ-CAL3	0.50	0.50	0.00	-0.74	0.07	0.00	1



Element Name:	V
Element Wavelength:	V 292.402 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999909
A0 (Offset):	-0.000140
A1 (Gain):	0.278241
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		QC Normalize	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	0.99	-0.01	-1.04	0.27	0.00	1
SEQ-CAL2	0.10	0.10	0.00	1.88	0.03	0.00	1
SEQ-CAL3	0.50	0.51	0.01	1.70	0.14	0.00	1



Element Name:	Zn
Element Wavelength:	Zn 206.200 nm
Concentration units:	ppm
Date of Calibration:	12/9/2010 9:41:57AM
Date of Fit:	12/9/2010 9:41:57AM
Type of Fit:	Linear
Correlation:	0.999991
A0 (Offset):	0.000027
A1 (Gain):	0.072764
A2(Curvature):	0.000000
n (Exponent):	1.000000

Reslope		QC Normalize	
Slope:	1.00000	**Slope factor:**	1.00
Y-Int:	0.00000	**Offset:**	0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
SEQ-CAL1	0.00	0.00	0.00	0.00	0.00	0.00	1
SEQ-CAL4	1.00	1.00	0.00	-0.28	0.07	0.00	1
SEQ-CAL2	0.10	0.10	0.00	1.31	0.01	0.00	1
SEQ-CAL3	0.50	0.50	0.00	0.31	0.04	0.00	1

Sample Name: SEQ-CAL1 Acquired: 12/9/2010 9:33:42 Type: Cal
Method: ICAP1(v56) Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00054**	**-.00012**	**.00018**	**.00186**	**.01154**	**.00301**	**.00093**	**.00607**	**.00160**	**-.00010**	**-.00001**	**.00177**
Stddev	.00012	.00018	.00001	.00002	.00028	.00035	.00094	.00069	.00014	.00023	.00000	.00005
%RSD	21.903	158.45	3.5553	.86954	2.4547	11.685	100.64	11.379	8.8864	234.62	13.486	2.8740
#1	-.00062	.00001	.00018	.00187	.01134	.00326	.00159	.00656	.00150	.00006	-.00001	.00173
#2	-.00046	-.00024	.00018	.00185	.01174	.00276	.00027	.00558	.00170	-.00026	-.00001	.00181

Elem	Fe2599	Fe2714	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00011**	**-.00088**	**.01003**	**.00005**	**.00003**	**.00031**	**-.00626**	**-.00929**	**-.00123**	**-.00085**	**-.00010**	**.00002**
Stddev	.00034	.00061	.00364	.00004	.00003	.00003	.00272	.00068	.00005	.00023	.00021	.00011
%RSD	315.87	69.796	36.248	75.472	107.17	8.6036	43.486	7.3366	4.4520	27.396	209.66	649.09
#1	-.00035	-.00044	.00746	.00008	.00001	.00029	-.00819	-.00977	-.00119	-.00102	-.00024	.00010
#2	.00013	-.00131	.01261	.00002	.00005	.00033	-.00434	-.00881	-.00127	-.00069	.00005	-.00006

Elem	Sn1899	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00024**	**-.00055**	**.00012**	**-.00014**	**.00003**
Stddev	.00015	.00015	.00031	.00003	.00001
%RSD	61.194	26.756	271.60	22.306	30.964
#1	.00014	-.00045	.00034	-.00016	.00002
#2	.00035	-.00066	-.00011	-.00012	.00003

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2666.5**	**4930.8**	**52763.**	**3600.4**
Stddev	3.4	14.1	12.	9.9
%RSD	.12585	.28551	.02306	.27427
#1	2668.9	4940.8	52754.	3607.3
#2	2664.1	4920.9	52771.	3593.4

Sample Name: SEQ-CAL2 Acquired: 12/9/2010 9:35:51 Type: Cal
Method: ICAP1(v56) Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01876**	**.08235**	**.01149**	**.04017**	**.34556**	**.92837**	**.35990**	**.64710**	**.13759**	**.16450**	**.01531**	**.02834**	**.25067**
Stddev	.00021	.00269	.00008	.00019	.00077	.00104	.00076	.00090	.00051	.00025	.00003	.00005	.00144
%RSD	1.1342	3.2630	.67584	.47396	.22241	.11236	.21024	.13868	.36760	.15251	.19914	.17634	.57349
R1	.01861	.08045	.01155	.04004	.34611	.92763	.35936	.64647	.13795	.16432	.01528	.02831	.24966
R2	.01891	.08425	.01144	.04031	.34502	.92911	.36043	.64774	.13724	.16468	.01533	.02838	.25169

Elem	Fe2714	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02414**	**.37270**	**.08063**	**.07011**	**.04744**	**1.2519**	**.03164**	**.03630**	**.02595**	**.00805**	**.00461**	**.06231**	**.02400**
Stddev	.00000	.00078	.00000	.00013	.00009	.0133	.00048	.00056	.00007	.00004	.00018	.00074	.00020
%RSD	.00136	.21041	.00426	.18360	.18414	1.0624	1.5052	1.5360	.27662	.53186	3.8435	1.1853	.82696
R1	.02414	.37326	.08063	.07020	.04738	1.2425	.03130	.03670	.02600	.00808	.00474	.06283	.02386
R2	.02414	.37215	.08063	.07002	.04751	1.2613	.03197	.03591	.02590	.00802	.00449	.06179	.02414

Elem	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S
Avg	**.01497**	**.02800**	**.00739**
Stddev	.00028	.00003	.00011
%RSD	1.8591	.10871	1.5011
R1	.01477	.02798	.00747
R2	.01516	.02802	.00732

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2624.2**	**4895.5**	**52124.**	**3611.6**
Stddev	2.7	13.1	127.	41.0
%RSD	.10426	.26854	.24399	1.1339
R1	2626.2	4904.8	52034.	3640.5
R2	2622.3	4886.2	52214.	3582.6

Sample Name: SEQ-CAL3 Acquired: 12/9/2010 9:37:55 Type: Cal
Method: ICAP1(v56) Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.09456**	**.39827**	**.05592**	**.19347**	**1.6512**	**4.4443**	**1.7769**	**3.1578**	**.67666**	**.83273**	**.07551**	**.13116**	**1.2303**
Stddev	.00079	.00267	.00008	.00005	.0067	.0099	.0050	.0124	.00174	.00082	.00047	.00074	.0053
%RSD	.83554	.67063	.13415	.02453	.40353	.22248	.28101	.39329	.25694	.09878	.61988	.56665	.43407
#1	.09512	.39638	.05586	.19344	1.6465	4.4373	1.7734	3.1490	.67543	.83215	.07584	.13169	1.2265
#2	.09400	.40016	.05597	.19351	1.6559	4.4513	1.7805	3.1666	.67789	.83331	.07518	.13064	1.2341

Elem	Fe2714	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.12031**	**1.8406**	**.39310**	**.34003**	**.23504**	**6.2398**	**.19474**	**.18735**	**.13596**	**.04050**	**.02463**	**.31503**	**.12170**
Stddev	.00077	.0033	.00253	.00187	.00026	.0261	.00400	.00030	.00004	.00028	.00015	.00022	.00131
%RSD	.64175	.17881	.64413	.54968	.10962	.41847	2.0542	.15826	.02811	.70212	.62760	.06968	1.0770
#1	.11977	1.8383	.39489	.34135	.23522	6.2214	.19191	.18714	.13598	.04070	.02473	.31518	.12263
#2	.12086	1.8430	.39131	.33871	.23485	6.2583	.19757	.18756	.13593	.04030	.02452	.31487	.12077

Elem	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S
Avg	**.07361**	**.14029**	**.03649**
Stddev	.00004	.00089	.00030
%RSD	.05897	.63728	.81053
#1	.07364	.14092	.03670
#2	.07358	.13966	.03628

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2532.1**	**4893.4**	**52078.**	**3626.2**
Stddev	15.9	25.3	199.	.3
%RSD	.62656	.51669	.38154	.00760
#1	2520.9	4875.5	51938.	3626.0
#2	2543.4	4911.3	52219.	3626.4

Sample Name: SEQ-CAL4 Acquired: 12/9/2010 9:39:59 Type: Cal
Method: ICAP1(v56) Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.18571	.77362	.11334	.38842	3.1922	8.5608	3.5543	6.1296	1.3593	1.7005	.14951	.25625	2.4395
Stddev	.00119	.00358	.00025	.00083	.0051	.0197	.0126	.0027	.0014	.0023	.00094	.00225	.0113
%RSD	.64334	.46282	.22171	.21359	.15842	.23024	.35400	.04422	.10174	.13590	.62552	.87619	.46499
R1	.18487	.77108	.11316	.38783	3.1886	8.5468	3.5454	6.1277	1.3583	1.7021	.14885	.25466	2.4314
R2	.18656	.77615	.11351	.38901	3.1958	8.5747	3.5632	6.1315	1.3602	1.6988	.15017	.25783	2.4475

Elem	Fe2714	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.23549	3.6535	.79703	.68263	.47214	12.306	.39599	.38453	.27676	.08266	.05034	.64719	.24471
Stddev	.00058	.0145	.00735	.00637	.00027	.032	.00261	.00048	.00063	.00048	.00028	.00140	.00201
%RSD	.24632	.39783	.92226	.93316	.05758	.25693	.65837	.12611	.22782	.57705	.55919	.21577	.82289
R1	.23590	3.6432	.79183	.67812	.47194	12.284	.39783	.38487	.27720	.08300	.05014	.64818	.24329
R2	.23508	3.6638	.80223	.68713	.47233	12.329	.39415	.38419	.27631	.08233	.05054	.64620	.24613

Elem	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S
Avg	.14870	.27312	.07253
Stddev	.00064	.00221	.00077
%RSD	.42755	.81032	1.0674
R1	.14914	.27156	.07198
R2	.14825	.27469	.07308

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2442.7	4850.7	51844.	3726.0
Stddev	5.9	4.5	299.	18.6
%RSD	.24189	.09287	.57729	.49994
R1	2438.6	4847.6	52055.	3712.9
R2	2446.9	4853.9	51632.	3739.2

Sample Name: SEQ-ICV Acquired: 12/9/2010 9:42:01 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37035	18.968	.38047	.37085	.37452	.37809	18.927	.37726	.37253	.38229	.37722	19.173
Stddev	.00005	.199	.00397	.00081	.00466	.00168	.117	.00099	.00024	.00168	.00173	.093
%RSD	.01465	1.0469	1.0426	.21924	1.2449	.44559	.61645	.26110	.06516	.43995	.45867	.48372
#1	.37032	19.108	.38327	.37028	.37122	.37929	19.010	.37796	.37236	.38110	.37600	19.239
#2	.37039	18.828	.37766	.37143	.37782	.37690	18.845	.37657	.37270	.38348	.37845	19.107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077
Units	ppm	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	18.564	z *****	19.398	.38418	.37942	18.617	.37466	.37838	W .40559	.37951	.37763	z *****
Stddev	.064	-----	.023	.00014	.00011	.070	.00065	.00442	.00232	.00111	.00158	-----
%RSD	.34551	-----	.11778	.03728	.02771	.37450	.17406	1.1690	.57117	.29344	.41896	-----
#1	18.609	z 5128.4	19.381	.38408	.37935	18.666	.37420	.38151	.40395	.37872	.37651	z 626.95
#2	18.518	z 5145.0	19.414	.38428	.37950	18.567	.37512	.37525	.40723	.38030	.37875	z 624.85
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None
Value									.37500			
Range									5.0000%			

Elem	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm
Avg	.37833	.37402	.36648	.38405
Stddev	.00022	.00282	.00223	.00129
%RSD	.05932	.75511	.60896	.33539
#1	.37849	.37602	.36490	.38314
#2	.37817	.37203	.36806	.38496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2535.1	4871.0	52303.	3656.9
Stddev	8.0	26.2	302.	18.7
%RSD	.31689	.53809	.57758	.51104
#1	2529.4	4852.5	52517.	3643.7
#2	2540.7	4889.6	52089.	3670.1

Sample Name: SEQ-ICB Acquired: 12/9/2010 9:44:05 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	-.00107	-.00033	.00011	.00010	.00003	.01656	-.00001	-.00002	-.00001	-.00028	.00952	.00494
Stddev	.00010	.05981	.00057	.00007	.00004	.00020	.00428	.00017	.00016	.00033	.00015	.00255	.04377
%RSD	297.70	5596.0	171.67	62.110	39.058	709.09	25.829	2228.0	653.40	2653.3	52.601	26.795	886.30
R1	-.00011	.04122	-.00074	.00006	.00013	.00017	.01353	.00011	.00009	-.00025	-.00017	.01132	.03589
R2	.00004	-.04336	.00007	.00015	.00007	-.00012	.01958	-.00013	-.00014	.00022	-.00038	.00771	-.02601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908
Units	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm
Avg	z *****	.00287	.00003	.00040	.00307	.00018	.00066	.00592	-.00691	.00008	z *****	.00041	-.00157
Stddev	-----	.00129	.00007	.00010	.01460	.00027	.00208	.00090	.00069	.00029	-----	.00035	.00196
%RSD	-----	44.751	193.08	25.311	475.00	153.55	313.41	15.276	9.9697	340.31	-----	84.597	124.97
R1	z 5170.1	.00196	.00008	.00047	-.00725	-.00002	-.00081	.00528	-.00740	-.00012	z 620.65	.00066	-.00295
R2	z 5163.5	.00378	-.00001	.00033	.01340	.00037	.00214	.00656	-.00642	.00029	z 623.95	.00017	-.00018
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.00002	-.00012
Stddev	.00048	.00038
%RSD	2394.5	322.34
R1	.00036	.00015
R2	-.00032	-.00039
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2704.3	5000.8	54110.	3673.9
Stddev	17.3	34.6	63.	47.0
%RSD	.63899	.69214	.11601	1.2786
R1	2716.5	5025.3	54154.	3640.7
R2	2692.1	4976.3	54066.	3707.1

Sample Name: SEQ-LCV Acquired: 12/9/2010 9:46:16 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00291**	**.25997**	**.00806**	**.01885**	**.00222**	**.00196**	**.51070**	**.00115**	**.00366**	**.00423**	**.01026**	**.04583**
Stddev	.00123	.01333	.00111	.00066	.00003	.00001	.00195	.00003	.00002	.00024	.00005	.00255
%RSD	42.321	5.1292	13.810	3.5138	1.3410	.56955	.38267	2.2977	.53389	5.5792	.46709	5.5622
#1	.00378	.25054	.00727	.01932	.00224	.00195	.50932	.00113	.00367	.00440	.01029	.04763
#2	.00204	.26939	.00885	.01838	.00220	.00197	.51208	.00117	.00364	.00407	.01022	.04403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077
Units	ppm	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	**.48153**	**z *****	**.20367**	**.00314**	**.01013**	**.99728**	**.01029**	**.00632**	**.02112**	**W .00850**	**.00995**	**z *****
Stddev	.02279	-----	.00008	.00011	.00012	.00795	.00028	.00096	.00154	.00007	.00023	-----
%RSD	4.7337	-----	.03741	3.5122	1.1357	.79714	2.6831	15.247	7.2934	.86842	2.2941	-----
#1	.46541	z 5056.9	.20361	.00322	.01005	1.0029	.01048	.00700	.02003	.00855	.00979	z 605.15
#2	.49764	z 5078.2	.20372	.00306	.01021	.99166	.01009	.00564	.02221	.00845	.01011	z 608.75
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None
Value										.01500		
Range										-30.000%		

Elem	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm
Avg	**.00522**	**.01868**	**.00423**	**.01008**
Stddev	.00008	.00091	.00009	.00062
%RSD	1.5664	4.8642	2.0616	6.1095
#1	.00516	.01804	.00416	.00964
#2	.00528	.01932	.00429	.01051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2616.8**	**4836.0**	**53133.**	**3631.4**
Stddev	.7	.7	550.	5.5
%RSD	.02646	.01347	1.0360	.15065
#1	2617.3	4836.4	52744.	3627.5
#2	2616.3	4835.5	53522.	3635.2

Sample Name: SEQ-IFA Acquired: 12/9/2010 9:48:24 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00173	**496.34**	**.00018**	**.00194**	**.00064**	**-.00005**	**485.69**	**.00084**	**-.00065**	**.00446**	**.00288**	**191.01**	**.00167**
Stddev	.00059	.16	.00067	.00119	.00005	.00021	.20	.00028	.00004	.00085	.00026	1.34	.01125
%RSD	34.180	.03298	377.38	61.622	7.2599	395.29	.04127	33.399	5.4193	19.031	9.0446	.70358	674.95
R1	-.00131	496.22	.00065	.00278	.00067	.00010	485.54	.00104	-.00068	.00507	.00307	191.96	.00962
R2	-.00215	496.45	-.00030	.00109	.00061	-.00020	485.83	.00064	-.00063	.00386	.00270	190.06	-.00629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908
Units	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm
Avg	z *****	**508.88**	**.00130**	**-.00112**	**.06307**	**.00781**	**.00570**	**-.00092**	**-.00529**	**.00104**	z *****	**.00523**	**-.00322**
Stddev	-----	1.64	.00011	.00020	.02409	.00085	.00307	.00030	.00672	.00045	-----	.00040	.00248
%RSD	-----	.32208	8.2559	17.968	38.202	10.825	53.963	32.949	126.93	43.469	-----	7.6712	77.160
R1	z 4768.7	507.72	.00137	-.00097	.04603	.00841	.00787	-.00114	-.00054	.00072	z 739.92	.00494	-.00146
R2	z 4782.6	510.04	.00122	-.00126	.08010	.00721	.00352	-.00071	-.01005	.00136	z 741.82	.00551	-.00498
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.00324**	**.00149**
Stddev	.00011	.00050
%RSD	3.4962	33.660
R1	.00316	.00185
R2	.00332	.00114
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2080.8**	**4353.4**	**45987.**	**3474.6**
Stddev	5.1	13.9	48.	10.5
%RSD	.24384	.31825	.10512	.30298
R1	2084.4	4363.2	46021.	3482.1
R2	2077.2	4343.7	45952.	3467.2

Sample Name: SEQ-IFB Acquired: 12/9/2010 9:50:37 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22039**	476.65	**.10882**	**.01918**	**.51344**	**.50999**	**483.04**	**1.0212**	**.50228**	**.51668**	**.53254**	**96.472**	**-.00392**
Stddev	.00121	.82	.00213	.00100	.00121	.00000	.67	.0020	.00061	.00185	.00001	.402	.02969
%RSD	.54902	.17112	1.9553	5.2139	.23664	.00019	.13812	.19149	.12186	.35841	.00170	.41657	757.25
R1	.22125	477.23	.11032	.01988	.51258	.50999	483.51	1.0226	.50271	.51537	.53255	96.188	-.02491
R2	.21953	476.08	.10732	.01847	.51429	.50999	482.57	1.0199	.50185	.51799	.53253	96.757	.01707
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range													

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Tl3349	Tl1908
Units	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm
Avg	z *****	**483.33**	**.49932**	**-.00074**	**.11219**	**.98311**	**.05352**	**.62495**	**.04723**	**-.00013**	z *****	**.00624**	**.08893**
Stddev	-----	1.29	.00125	.00030	.01874	.00557	.00001	.00220	.00784	.00020	-----	.00026	.00091
%RSD	-----	.26630	.25130	40.137	16.703	.56647	.01854	.35168	16.591	150.90	-----	4.2168	1.0189
R1	z 4766.7	484.24	.49844	-.00053	.12544	.98704	.05352	.62650	.05277	-.00027	z 842.31	.00642	.08829
R2	z 4754.8	482.42	.50021	-.00095	.09894	.97917	.05353	.62339	.04169	.00001	z 840.64	.00605	.08957
Check ?	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value Range													

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.50284**	**.96820**
Stddev	.00116	.00111
%RSD	.23145	.11509
R1	.50202	.96899
R2	.50366	.96741
Check ?	Chk Pass	Chk Pass
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2107.9**	**4415.5**	**46467.**	**3494.5**
Stddev	8.0	11.7	101.	18.7
%RSD	.38115	.26490	.21839	.53421
R1	2102.2	4407.2	46395.	3481.3
R2	2113.5	4423.7	46539.	3507.7

Sample Name: SEQ-CCV Acquired: 12/9/2010 9:52:50 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	.50492	25.730	.49921	.49098	.50919	.50667	25.629	.50230	.49438	.51222	.51387	25.656	25.155	z *****
Stddev	.00607	.155	.00523	.00088	.00210	.00101	.173	.00238	.00110	.00682	.00679	.024	.081	-----
%RSD	1.2016	.60278	1.0477	.18001	.41295	.19916	.67355	.47302	.22158	1.3323	1.3223	.09486	.32196	-----
R1	.50921	25.839	.49551	.49036	.51068	.50596	25.751	.50062	.49361	.51705	.51867	25.673	25.212	z 5039.5
R2	.50063	25.620	.50291	.49161	.50771	.50738	25.506	.50398	.49516	.50740	.50906	25.638	25.097	z 5043.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	25.535	.51056	.50141	25.355	.49605	.49697	.51182	.49827	.49876	z *****	.50514	.49635	.49874	.50883
Stddev	.239	.00567	.00274	.071	.00059	.00061	.00358	.00910	.00001	-----	.00592	.00262	.00645	.00727
%RSD	.93486	1.1096	.54684	.28183	.11954	.12347	.69896	1.8259	.00190	-----	1.1715	.52751	1.2930	1.4279
R1	25.704	.51456	.49947	25.405	.49647	.49740	.50929	.49184	.49876	z 606.77	.50932	.49450	.50330	.51397
R2	25.366	.50655	.50335	25.304	.49564	.49654	.51435	.50470	.49877	z 611.20	.50095	.49820	.49418	.50369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range														

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2506.1	4833.0	51437.	3526.9
Stddev	5.7	4.4	275.	14.8
%RSD	.22854	.09197	.53428	.42072
R1	2502.0	4829.8	51243.	3516.4
R2	2510.1	4836.1	51631.	3537.4

Sample Name: SEQ-CCB Acquired: 12/9/2010 9:54:54 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.11081	-.00010	-.00044	.00005	.00006	.02590	.00014	-.00003	.00005	-.00092	.00378	-.03903
Stddev	.00073	.01280	.00087	.00040	.00001	.00016	.00571	.00009	.00019	.00002	.00023	.01357	.00233
%RSD	492.78	11.555	913.34	92.329	18.556	279.64	22.051	61.915	579.75	30.308	25.348	358.72	5.9692
R1	.00067	.10175	-.00071	-.00072	.00004	.00017	.02994	.00008	.00010	.00006	-.00075	-.00581	-.03738
R2	-.00037	.11986	.00052	-.00015	.00005	-.00006	.02187	.00020	-.00017	.00004	-.00108	.01337	-.04068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908
Units	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm
Avg	z *****	.02532	.00008	.00032	-.00404	.00039	.00021	.00513	-.00696	.00063	z *****	.00006	.00066
Stddev	-----	.00391	.00009	.00022	.01189	.00068	.00044	.00125	.00046	.00002	-----	.00012	.00208
%RSD	-----	15.448	119.24	69.849	294.10	175.95	206.40	24.348	6.5443	3.1484	-----	184.84	313.62
R1	z 5063.8	.02808	.00001	.00016	.00437	-.00009	.00053	.00601	-.00728	.00062	z 607.85	.00015	-.00081
R2	z 5050.5	.02255	.00014	.00048	-.01245	.00086	-.00010	.00424	-.00663	.00065	z 607.30	-.00002	.00213
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.00008	-.00006
Stddev	.00060	.00020
%RSD	738.34	366.24
R1	.00050	.00009
R2	-.00034	-.00020
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2690.9	4958.7	53508.	3617.5
Stddev	4.1	1.4	4.	9.9
%RSD	.15389	.02766	.00710	.27302
R1	2693.8	4957.7	53511.	3624.5
R2	2688.0	4959.6	53506.	3610.6

Sample Name: 10I0535-blk1 Acquired: 12/9/2010 9:57:03 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**.05749**	**-.00176**	**.00010**	**.00007**	**-.00020**	**.07180**	**.00022**	**-.00024**
Stddev	.00101	.01811	.00043	.00060	.00000	.00016	.00701	.00012	.00004
%RSD	249.06	31.496	24.211	609.68	3.8994	76.019	9.7591	52.787	16.504
R1	-.00112	.04469	-.00206	-.00033	.00007	-.00031	.07675	.00014	-.00021
R2	.00031	.07029	-.00146	.00053	.00007	-.00009	.06684	.00031	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00072**	**.01558**	**-.02911**	z *****	**.00558**	**.00038**	**-.00013**	**.03378**
Stddev	.00013	.00061	.00598	.02081	-----	.00927	.00009	.00007	.01422
%RSD	18.194	83.889	38.363	71.493	-----	166.15	22.598	58.487	42.089
R1	.00064	-.00029	.01981	-.01439	z 4939.0	-.00098	.00044	-.00007	.04383
R2	.00082	-.00115	.01135	-.04382	z 4967.8	.01214	.00032	-.00018	.02372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.00026**	**-.00013**	**.00073**	**-.00758**	**.00024**	z *****	**.00023**	**-.00331**	**-.00020**
Stddev	.00006	.00034	.00067	.00180	.00001	-----	.00008	.00031	.00079
%RSD	22.490	270.50	92.475	23.741	2.1974	-----	32.845	9.3172	401.55
R1	.00031	-.00036	.00025	-.00631	.00024	z 592.95	.00018	-.00309	-.00076
R2	.00022	.00011	.00120	-.00885	.00024	z 596.75	.00028	-.00352	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.00180**
Stddev	.00007
%RSD	4.1493
R1	.00185
R2	.00175
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2624.9**	**4854.9**	**53217.**	**3639.4**
Stddev	.1	11.0	241.	18.4
%RSD	.00385	.22588	.45219	.50459
R1	2624.9	4847.1	53388.	3652.4
R2	2625.0	4862.6	53047.	3626.4

Sample Name: 10l0535-srm1 Acquired: 12/9/2010 9:59:12 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.41227	84.911	1.3105	.84294	2.4685	1.4726	95.971	.66047	1.4242
Stddev	.00077	.168	.0022	.00195	.0008	.0001	.226	.00049	.0012
%RSD	.18601	.19743	.16839	.23109	.03224	.00543	.23593	.07470	.08453
R1	.41172	85.029	1.3090	.84156	2.4690	1.4725	96.132	.66012	1.4250
R2	.41281	84.792	1.3121	.84431	2.4679	1.4726	95.811	.66082	1.4233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.95792	1.0096	147.20	45.445	z *****	39.568	5.0488	.85795	6.0491
Stddev	.00192	.0054	.69	.075	-----	.197	.0339	.00210	.0105
%RSD	.20085	.53899	.46610	.16479	-----	.49680	.67145	.24516	.17410
R1	.95656	1.0058	147.68	45.498	z 5389.0	39.429	5.0248	.85646	6.0566
R2	.95928	1.0135	146.71	45.392	z 5411.0	39.707	5.0727	.85944	6.0417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	1.3037	1.4793	.59271	1.9010	1.4880	z *****	4.6573	1.6362	.55683
Stddev	.0019	.0003	.00010	.0037	.0022	-----	.0269	.0004	.00266
%RSD	.14993	.02203	.01662	.19564	.14555	-----	.57711	.02476	.47819
R1	1.3051	1.4791	.59264	1.8984	1.4895	z 46575.	4.6383	1.6365	.55871
R2	1.3023	1.4796	.59278	1.9036	1.4865	z 46753.	4.6763	1.6359	.55495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	1.9921
Stddev	.0014
%RSD	.07264
R1	1.9911
R2	1.9932
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2374.1	4972.7	53821.	3822.9
Stddev	2.4	2.4	60.	17.4
%RSD	.10286	.04796	.11217	.45583
R1	2372.4	4974.4	53864.	3810.6
R2	2375.9	4971.1	53778.	3835.3

Sample Name: RTL0493-04 Acquired: 12/9/2010 10:01:12 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00080	**71.153**	**.06078**	**.03466**	**.55155**	**.00348**	**226.70**	**.00115**	**.07832**
Stddev	.00048	.166	.00352	.00018	.00184	.00013	.22	.00017	.00010
%RSD	60.167	.23373	5.7987	.50989	.33364	3.6591	.09769	14.527	.12871
#1	-.00114	71.271	.06328	.03454	.55285	.00339	226.86	.00103	.07825
#2	-.00046	71.036	.05829	.03479	.55025	.00357	226.55	.00127	.07839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.10105**	**.14349**	**159.95**	**12.414**	z *****	**99.498**	**4.7344**	**.00189**	**.94985**
Stddev	.00023	.00003	.27	.064	-----	.204	.0106	.00034	.00224
%RSD	.22422	.02117	.17155	.51917	-----	.20466	.22374	17.885	.23592
#1	.10121	.14351	159.76	12.368	z 5855.4	99.642	4.7419	.00165	.95144
#2	.10089	.14347	160.14	12.459	z 5856.7	99.354	4.7269	.00213	.94827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.17361**	**.08735**	**.00754**	**-.00284**	**.00377**	z *****	**1.2494**	**-.00914**	**.11506**
Stddev	.00101	.00251	.00087	.00153	.00063	-----	.0008	.00011	.00009
%RSD	.58355	2.8702	11.566	53.724	16.650	-----	.06303	1.1549	.07737
#1	.17433	.08913	.00693	-.00392	.00333	z 6374.2	1.2488	-.00907	.11512
#2	.17290	.08558	.00816	-.00176	.00422	z 6421.6	1.2499	-.00922	.11500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.39720**
Stddev	.00227
%RSD	.57049
#1	.39880
#2	.39560
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2300.7**	**4782.9**	**51885.**	**3755.4**
Stddev	3.2	3.3	215.	18.5
%RSD	.13888	.06901	.41457	.49154
#1	2298.5	4785.3	51733.	3742.4
#2	2303.0	4780.6	52037.	3768.5

Sample Name: SEQ-CCV Acquired: 12/9/2010 10:03:23 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	**.48574**	**24.290**	**.50719**	**.49726**	**.48291**	**.50273**	**24.372**	**.50854**	**.49941**	**.50542**	**.50226**	**25.441**	**24.663**	z *****
Stddev	.00044	.090	.00032	.00126	.00017	.00109	.104	.00070	.00041	.00199	.00210	.086	.030	----
%RSD	.08979	.37100	.06258	.25250	.03494	.21692	.42607	.13692	.08204	.39377	.41908	.33976	.11965	----
R1	.48605	24.226	.50696	.49814	.48279	.50350	24.298	.50903	.49912	.50683	.50375	25.502	24.683	z 5093.6
R2	.48543	24.354	.50741	.49637	.48303	.50196	24.445	.50804	.49970	.50402	.50077	25.380	24.642	z 5074.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**25.936**	**.51620**	**.50842**	**24.577**	**.50885**	**.50332**	**.51514**	**.50830**	**.50805**	z *****	**.50587**	**.50618**	**.48122**	**.50378**
Stddev	.105	.00143	.00079	.002	.00063	.00002	.00580	.00024	.00172	----	.00039	.00113	.00393	.00225
%RSD	.40332	.27722	.15598	.00723	.12474	.00313	1.1261	.04723	.33758	----	.07678	.22320	.81755	.44579
R1	26.010	.51721	.50786	24.576	.50841	.50331	.51924	.50813	.50927	z 614.83	.50614	.50698	.48400	.50537
R2	25.862	.51519	.50898	24.578	.50930	.50333	.51104	.50847	.50684	z 613.47	.50559	.50538	.47844	.50219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range														

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2510.3**	**4865.1**	**53246.**	**3722.9**
Stddev	7.4	14.8	146.	5.5
%RSD	.29476	.30319	.27345	.14882
R1	2515.5	4875.6	53143.	3726.8
R2	2505.0	4854.7	53349.	3718.9

Sample Name: SEQ-CCB Acquired: 12/9/2010 10:05:29 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	.04024	.00082	-.00028	.00009	.00010	.02353	-.00016	-.00020	-.00013	.00068	.01930	-.00361
Stddev	.00008	.02518	.00004	.00008	.00002	.00005	.00645	.00013	.00008	.00007	.00034	.00701	.05428
%RSD	68.379	62.573	4.7003	27.539	21.205	49.777	27.430	81.861	38.639	56.084	49.554	36.345	1502.5
R1	-.00017	.02244	.00085	-.00033	.00010	.00007	.02810	-.00007	-.00014	-.00019	.00092	.01434	.03477
R2	-.00006	.05804	.00080	-.00022	.00008	.00014	.01897	-.00026	-.00025	-.00008	.00044	.02426	-.04199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908
Units	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm
Avg	z *****	.01723	.00027	.00012	-.00671	.00050	-.00010	.00448	-.00707	.00040	z *****	.00041	-.00104
Stddev	-----	.00490	.00007	.00041	.00623	.00010	.00072	.00055	.00540	.00020	----	.00009	.00025
%RSD	-----	28.443	27.164	345.29	92.862	20.763	748.96	12.282	76.450	49.389	----	22.192	24.149
R1	z 5104.7	.02069	.00022	-.00017	-.01112	.00043	.00041	.00487	-.01088	.00026	z 614.40	.00047	-.00087
R2	z 5077.0	.01376	.00032	.00041	-.00231	.00058	-.00060	.00409	-.00325	.00054	z 604.25	.00035	-.00122
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.00035	.00006
Stddev	.00051	.00001
%RSD	145.48	15.776
R1	.00071	.00006
R2	-.00001	.00007
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2655.7	4886.7	53933.	3669.2
Stddev	3.4	1.6	10.	13.8
%RSD	.12681	.03339	.01890	.37510
R1	2653.3	4887.9	53940.	3659.5
R2	2658.1	4885.6	53926.	3679.0

ample Name: RTL0571-01 Acquired: 12/9/2010 10:07:42 Type: Unk
lethod: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
lser: AMH Custom ID1: Custom ID2: Custom ID3:
comment:

lem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
ine	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
S Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Inits	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vg	**-.00198**	**36.452**	**.06398**	**.02178**	**.33480**	**.00256**	**14.096**	**.00519**	**.04209**
tddev	.00040	.334	.00177	.00079	.00110	.00006	.075	.00005	.00026
%RSD	20.231	.91600	2.7699	3.6473	.32899	2.3568	.53529	.93954	.62162
1	-.00169	36.216	.06523	.02234	.33402	.00260	14.042	.00522	.04227
2	-.00226	36.688	.06272	.02122	.33558	.00252	14.149	.00516	.04190
heck ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
ligh Limit									
ow Limit									

lem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
ine	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
S Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Inits	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
vg	**.07461**	**.39232**	**221.05**	**6.2709**	z *****	**6.6904**	**2.1884**	**.00881**	**1.0828**
tddev	.00050	.00034	.20	.0737	-----	.0404	.0058	.00017	.0009
%RSD	.67216	.08617	.09203	1.1747	-----	.60409	.26629	1.9376	.07947
1	.07496	.39208	220.91	6.2189	z 5370.0	6.6618	2.1843	.00893	1.0821
2	.07425	.39256	221.19	6.3230	z 5389.0	6.7190	2.1926	.00869	1.0834
heck ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
ligh Limit									
ow Limit									

lem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
ine	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
S Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Inits	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
vg	**.07693**	**.14715**	**.01073**	**-.00967**	**.01830**	z *****	**.44274**	**-.00818**	**.07379**
tddev	.00033	.00059	.00217	.00242	.00008	-----	.00152	.00115	.00127
%RSD	.43006	.40210	20.198	24.989	.43348	-----	.34243	14.110	1.7159
1	.07716	.14673	.01226	-.01138	.01825	z 1786.6	.44167	-.00899	.07289
2	.07670	.14757	.00919	-.00796	.01836	z 1783.0	.44381	-.00736	.07468
heck ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
ligh Limit									
ow Limit									

lem	Zn2062
ine	206.200 {163}
S Ref	(Y_3600)
Inits	ppm
vg	**3.1465**
tddev	.0182
%RSD	.57850
1	3.1336
2	3.1594
heck ?	Chk Pass
ligh Limit	
ow Limit	

nt. Std.	In2306	Y_2243	Y_3600	Y_3774
ine	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Inits	Cts/S	Cts/S	Cts/S	Cts/S
vg	**2470.6**	**4756.8**	**52390.**	**3702.8**
tddev	.4	5.3	99.	16.8
%RSD	.01819	.11061	.18858	.45236
1	2470.3	4753.1	52460.	3691.0
2	2470.9	4760.5	52320.	3714.7

Sample Name: RTL0571-02 Acquired: 12/9/2010 10:09:47 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00096	48.691	.06949	.00879	.12698	.00212	1.4892	.00073	.02965
Stddev	.00052	.035	.00122	.00005	.00047	.00009	.0153	.00015	.00013
%RSD	53.629	.07284	1.7579	.58237	.37376	4.0911	1.0251	20.039	.43324
R1	-.00060	48.665	.06863	.00876	.12665	.00219	1.4784	.00062	.02974
R2	-.00133	48.716	.07035	.00883	.12732	.00206	1.5000	.00083	.02955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.07874	.09017	106.89	6.8625	z *****	6.2319	.83525	.00428	.21028
Stddev	.00076	.00111	.28	.0195	-----	.0232	.00451	.00015	.01366
%RSD	.96981	1.2325	.26131	.28421	-----	.37201	.53979	3.5682	6.4966
R1	.07820	.08938	106.69	6.8487	z 5199.8	6.2155	.83206	.00438	.21994
R2	.07928	.09095	107.08	6.8763	z 5215.1	6.2483	.83844	.00417	.20062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.05308	.09620	.00533	-.00408	.00388	z *****	.47470	-.00520	.10103
Stddev	.00109	.00350	.00019	.00270	.00012	-----	.00130	.00031	.00076
%RSD	2.0474	3.6400	3.5459	66.248	2.9915	-----	.27292	5.9166	.75642
R1	.05385	.09373	.00547	-.00599	.00380	z 801.42	.47378	-.00542	.10049
R2	.05232	.09868	.00520	-.00217	.00397	z 811.76	.47561	-.00498	.10157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.31080
Stddev	.00074
%RSD	.23684
R1	.31028
R2	.31133
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2516.3	4808.0	52445.	3558.5
Stddev	6.3	6.1	140.	.7
%RSD	.25086	.12701	.26721	.02065
R1	2511.8	4803.7	52544.	3558.0
R2	2520.8	4812.3	52346.	3559.1

Sample Name: RTL0572-01 Acquired: 12/9/2010 10:11:53 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00172	21.068	.01838	.05300	.10649	.00106	F 1019.2	.00171	.01867
Stddev	.00042	.302	.00000	.00062	.00016	.00003	8.0	.00009	.00050
%RSD	24.359	1.4334	.00801	1.1778	.15101	2.7956	.78503	5.3937	2.6537
R1	-.00202	20.854	.01838	.05256	.10660	.00104	1013.5	.00178	.01903
R2	-.00143	21.281	.01838	.05345	.10638	.00108	1024.8	.00165	.01832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							500.00		
Low Limit							-.50000		

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.03168	.08034	52.326	4.4590	z *****	F 519.82	2.7389	.00131	1.3864
Stddev	.00008	.00049	.423	.0790	-----	4.94	.0090	.00010	.0199
%RSD	.24726	.60915	.80866	1.7729	-----	.95119	.32944	7.6481	1.4367
R1	.03162	.08000	52.027	4.4031	z 5050.0	523.32	2.7325	.00124	1.3723
R2	.03173	.08069	52.625	4.5149	z 5047.6	516.33	2.7453	.00138	1.4005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						500.00			
Low Limit						-.20000			

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.04813	.07336	-.00024	-.00520	.00218	z *****	.53876	-.00428	.05611
Stddev	.00015	.00491	.00033	.00144	.00029	-----	.00069	.00185	.00143
%RSD	.31490	6.6902	136.11	27.694	13.308	-----	.12798	43.271	2.5415
R1	.04824	.06989	-.00001	-.00418	.00198	z 14217.	.53827	-.00559	.05712
R2	.04802	.07683	-.00047	-.00622	.00239	z 14283.	.53925	-.00297	.05510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.41017
Stddev	.00067
%RSD	.16312
R1	.40969
R2	.41064
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2026.7	4304.5	46874.	3480.4
Stddev	9.8	12.8	189.	26.5
%RSD	.48244	.29646	.40245	.76259
R1	2033.6	4313.6	46740.	3499.2
R2	2019.8	4295.5	47007.	3461.6

Sample Name: RTL0572-02 Acquired: 12/9/2010 10:14:10 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**21.057**	**.04135**	**.04056**	**.11996**	**.00090**	F **721.47**	**.00145**	**.01676**
Stddev	.00069	.127	.00188	.00014	.00173	.00003	7.33	.00012	.00013
%RSD	92.914	.60523	4.5473	.35033	1.4387	3.1967	1.0162	8.5530	.79577
#1	-.00123	20.967	.04002	.04066	.12118	.00092	726.65	.00136	.01685
#2	-.00025	21.147	.04268	.04046	.11874	.00088	716.28	.00153	.01666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							500.00		
Low Limit							-.50000		

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.06100**	**.05246**	**45.941**	**5.6465**	z *****	**266.99**	**1.9007**	**.00177**	**1.1453**
Stddev	.00050	.00003	.496	.0997	----	1.87	.0116	.00016	.0132
%RSD	.82048	.06574	1.0804	1.7662	----	.70155	.60824	9.1108	1.1495
#1	.06135	.05249	45.590	5.5760	z 5192.1	268.31	1.9089	.00189	1.1360
#2	.06065	.05244	46.292	5.7171	z 5189.0	265.66	1.8925	.00166	1.1546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.04319**	**.05417**	**-.00265**	**.00208**	**.00230**	z *****	**.68001**	**-.00680**	**.05100**
Stddev	.00009	.00071	.00302	.00171	.00018	----	.00489	.00476	.00098
%RSD	.20325	1.3033	113.93	82.095	7.6304	----	.71957	69.907	1.9284
#1	.04313	.05467	-.00052	.00329	.00218	z 24697.	.68347	-.01017	.05169
#2	.04325	.05367	-.00479	.00087	.00243	z 24945.	.67655	-.00344	.05030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.26216**
Stddev	.00312
%RSD	1.1897
#1	.26437
#2	.25995
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2123.3**	4469.0	**49342.**	**3609.3**
Stddev	5.5	8.5	629.	1.4
%RSD	.25970	.19097	1.2752	.03784
#1	2119.4	4463.0	48897.	3608.3
#2	2127.2	4475.0	49787.	3610.2

Sample Name: RTL0572-03 Acquired: 12/9/2010 10:16:22 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00173	140.32	.05097	.05422	.83557	.00756	134.08	.00176	.10998
Stddev	.00070	.12	.00107	.00007	.00081	.00010	.11	.00025	.00024
%RSD	40.420	.08204	2.1037	.12573	.09696	1.3698	.08290	14.151	.21922
R1	-.00124	140.40	.05173	.05427	.83499	.00748	134.00	.00159	.10981
R2	-.00223	140.24	.05021	.05417	.83614	.00763	134.16	.00194	.11015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.18664	.18414	213.35	12.714	z *****	83.815	2.3125	.00570	1.0854
Stddev	.00120	.00077	.49	.021	-----	.205	.0023	.00066	.0014
%RSD	.64472	.41796	.23186	.16596	-----	.24492	.09905	11.532	.13017
R1	.18579	.18360	213.70	12.729	z 6323.5	83.670	2.3109	.00616	1.0864
R2	.18750	.18469	213.00	12.699	z 6326.9	83.961	2.3141	.00523	1.0844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.26849	.10663	.00126	-.00420	.00634	z *****	1.6059	-.00784	.23629
Stddev	.00071	.00161	.00105	.01099	.00003	-----	.0027	.00234	.00004
%RSD	.26433	1.5073	83.145	261.60	.54760	-----	.16509	29.876	.01602
R1	.26899	.10550	.00200	-.01197	.00637	z 10764.	1.6078	-.00618	.23632
R2	.26798	.10777	.00052	.00357	.00632	z 10769.	1.6040	-.00949	.23627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.49566
Stddev	.00342
%RSD	.69022
R1	.49324
R2	.49807
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2335.1	4941.7	53954.	3865.3
Stddev	.1	7.1	251.	5.7
%RSD	.00475	.14436	.46457	.14687
R1	2335.1	4936.7	54131.	3861.3
R2	2335.2	4946.7	53777.	3869.4

Sample Name: RTL0572-04 Acquired: 12/9/2010 10:18:31 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00289**	**167.61**	**.02242**	**.02818**	**1.1997**	**.01100**	**16.006**	**.00086**	**.09113**
Stddev	.00031	.26	.00003	.00005	.0022	.00011	.007	.00001	.00033
%RSD	10.781	.15324	.12471	.17869	.18378	.98453	.04264	.65336	.36041
#1	-.00311	167.79	.02244	.02821	1.2012	.01092	16.011	.00085	.09136
#2	-.00267	167.43	.02240	.02814	1.1981	.01107	16.002	.00086	.09090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.21910**	**.17078**	**253.02**	**14.002**	z *****	**65.052**	**1.4760**	**.00074**	**2.3592**
Stddev	.00013	.00058	.12	.068	----	.125	.0029	.00000	.0151
%RSD	.05860	.33816	.04570	.48214	----	.19266	.19516	.06346	.63909
#1	.21901	.17037	252.94	13.955	z 6365.7	65.140	1.4780	.00074	2.3485
#2	.21919	.17119	253.10	14.050	z 6354.3	64.963	1.4740	.00074	2.3698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.26294**	**.11878**	**.00172**	**-.00843**	**.00737**	z *****	**2.2370**	**-.01047**	**.26842**
Stddev	.00067	.00336	.00273	.00308	.00024	----	.0020	.00288	.00075
%RSD	.25623	2.8324	158.27	36.532	3.2244	----	.09089	27.495	.28068
#1	.26247	.12116	.00365	-.01061	.00720	z 8002.5	2.2384	-.01250	.26788
#2	.26342	.11640	-.00021	-.00625	.00753	z 8001.3	2.2355	-.00843	.26895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.57022**
Stddev	.00016
%RSD	.02790
#1	.57011
#2	.57033
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2375.5**	**5215.6**	**56874.**	**4045.8**
Stddev	3.1	2.1	349.	1.0
%RSD	.13205	.04085	.61416	.02511
#1	2373.2	5214.1	57121.	4045.1
#2	2377.7	5217.1	56627.	4046.5

Sample Name: RTL0572-05 Acquired: 12/9/2010 10:20:39 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00262**	**167.49**	**.04289**	**.03493**	**1.0375**	**.01185**	**12.660**	**.00095**	**.16267**
Stddev	.00068	.54	.00170	.00076	.0058	.00008	.054	.00004	.00068
%RSD	26.190	.32107	3.9672	2.1664	.55648	.67656	.42571	3.9986	.41676
R1	-.00310	167.11	.04169	.03440	1.0334	.01190	12.622	.00098	.16315
R2	-.00213	167.87	.04409	.03547	1.0415	.01179	12.698	.00092	.16219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.23085**	**.20828**	**270.83**	**14.849**	z *****	**58.187**	**2.8913**	**.00265**	**2.1043**
Stddev	.00030	.00067	1.16	.187	----	.094	.0103	.00015	.0042
%RSD	.12796	.32238	.43000	1.2614	----	.16225	.35490	5.7311	.19842
R1	.23106	.20876	270.01	14.717	z 6350.0	58.254	2.8986	.00254	2.1014
R2	.23064	.20781	271.66	14.981	z 6368.2	58.120	2.8841	.00275	2.1073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.29618**	**.09039**	**.00209**	**-.00854**	**.00739**	z *****	**2.2959**	**-.01135**	**.28795**
Stddev	.00189	.00205	.00336	.00212	.00054	----	.0076	.00289	.00163
%RSD	.63923	2.2727	160.47	24.776	7.3378	----	.33246	25.492	.56666
R1	.29752	.08893	-.00028	-.01004	.00777	z 4421.4	2.3013	-.01339	.28911
R2	.29484	.09184	.00446	-.00705	.00700	z 4460.6	2.2905	-.00930	.28680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.60925**
Stddev	.00228
%RSD	.37439
R1	.61086
R2	.60763
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2363.0**	**5008.1**	**54971.**	**3879.8**
Stddev	3.9	3.5	176.	4.4
%RSD	.16597	.06987	.31998	.11401
R1	2360.2	5005.7	55096.	3876.7
R2	2365.7	5010.6	54847.	3883.0

Sample Name: RTL0572-06 Acquired: 12/9/2010 10:22:45 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00164**	**161.07**	**.04361**	**.04548**	**.99366**	**.00871**	**44.740**	**.00192**	**.11189**
Stddev	.00069	.24	.00158	.00110	.00173	.00008	.023	.00023	.00007
%RSD	41.872	.14601	3.6253	2.4115	.17406	.94355	.05207	12.011	.06364
R1	-.00213	161.23	.04249	.04626	.99244	.00865	44.723	.00208	.11194
R2	-.00116	160.90	.04473	.04470	.99488	.00877	44.756	.00176	.11184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.22812**	**.17166**	**290.11**	**15.586**	z *****	**61.205**	**2.0322**	**.00289**	**1.0822**
Stddev	.00210	.00050	.00	.100	----	.039	.0007	.00109	.0102
%RSD	.91980	.29417	.00168	.64277	----	.06385	.03313	37.897	.94546
R1	.22664	.17130	290.11	15.656	z 6330.5	61.233	2.0317	.00211	1.0894
R2	.22961	.17202	290.11	15.515	z 6365.5	61.177	2.0326	.00366	1.0750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.26280**	**.13617**	**.00770**	**-.00535**	**.00818**	z *****	**1.9746**	**-.01206**	**.30279**
Stddev	.00130	.00088	.00108	.00225	.00026	----	.0052	.00202	.00022
%RSD	.49363	.64461	14.061	42.007	3.1436	----	.26150	16.766	.07292
R1	.26372	.13680	.00846	-.00694	.00800	z 5742.1	1.9710	-.01063	.30263
R2	.26189	.13555	.00693	-.00376	.00836	z 5772.1	1.9783	-.01349	.30295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.64681**
Stddev	.00139
%RSD	.21540
R1	.64583
R2	.64780
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2349.4**	**4944.3**	**54083.**	**3836.8**
Stddev	1.4	3.8	118.	1.9
%RSD	.06036	.07677	.21754	.04919
R1	2348.4	4947.0	54166.	3835.5
R2	2350.4	4941.7	54000.	3838.1

Sample Name: RTL0572-07 Acquired: 12/9/2010 10:24:54 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00126**	**174.18**	**.06491**	**.05271**	**1.5235**	**.00955**	**90.815**	**.00157**	**.15505**
Stddev	.00017	.36	.00541	.00058	.0066	.00008	.047	.00006	.00073
%RSD	13.621	.20827	8.3295	1.0943	.43674	.79429	.05227	4.0035	.47267
#1	-.00113	174.44	.06109	.05230	1.5188	.00960	90.848	.00152	.15557
#2	-.00138	173.93	.06873	.05311	1.5282	.00950	90.781	.00161	.15453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.25104**	**.28048**	**300.00**	**16.829**	z *****	**125.89**	F **23.358**	**.00154**	**2.5002**
Stddev	.00017	.00017	.49	.025	----	.46	.387	.00041	.0157
%RSD	.06595	.06103	.16437	.14989	----	.36823	1.6563	26.893	.62680
#1	.25092	.28060	300.35	16.847	z 6778.5	126.22	23.632	.00124	2.4892
#2	.25116	.28035	299.65	16.811	z 6768.6	125.57	23.085	.00183	2.5113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							15.000		
Low Limit							-.00300		

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.36074**	**.12220**	**.00063**	**-.01293**	**.00842**	z *****	**2.7454**	**-.01030**	**.32937**
Stddev	.00021	.00397	.00034	.00254	.00065	----	.0234	.00074	.00154
%RSD	.05726	3.2507	53.253	19.666	7.6626	----	.85165	7.1668	.46857
#1	.36089	.11939	.00087	-.01473	.00888	z 7839.5	2.7619	-.01083	.32828
#2	.36060	.12501	.00039	-.01113	.00797	z 7912.4	2.7288	-.00978	.33046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.59146**
Stddev	.00106
%RSD	.17980
#1	.59071
#2	.59221
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2282.6**	**5011.6**	**54258.**	**3883.8**
Stddev	6.6	23.8	61.	28.6
%RSD	.29128	.47478	.11190	.73627
#1	2287.3	5028.4	54301.	3863.5
#2	2277.9	4994.7	54215.	3904.0

Sample Name: RTL0572-08 Acquired: 12/9/2010 10:27:06 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00181**	**145.25**	**.04744**	**.07001**	**.34519**	**.00756**	**413.03**	**.00152**	**.11156**
Stddev	.00074	.27	.00168	.00019	.00069	.00017	.83	.00018	.00014
%RSD	40.576	.18279	3.5469	.27589	.19941	2.2163	.20198	11.852	.12693
#1	-.00129	145.43	.04625	.07014	.34567	.00744	413.62	.00139	.11146
#2	-.00234	145.06	.04863	.06987	.34470	.00768	412.44	.00165	.11166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.20181**	**.20684**	**245.06**	**18.915**	z *****	**117.05**	**3.9797**	**.00266**	**2.6961**
Stddev	.00176	.00073	.82	.015	----	.50	.0195	.00008	.0064
%RSD	.87182	.35390	.33463	.07933	----	.42923	.49069	2.8702	.23812
#1	.20056	.20632	245.64	18.905	z 6521.9	116.70	3.9659	.00272	2.7007
#2	.20305	.20736	244.48	18.926	z 6547.1	117.41	3.9935	.00261	2.6916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.28984**	**.08098**	**.00232**	**-.00758**	**.00597**	z *****	**1.9944**	**-.01122**	**.26835**
Stddev	.00084	.00239	.00193	.00261	.00034	----	.0176	.00428	.00004
%RSD	.28926	2.9562	83.156	34.395	5.6362	----	.88291	38.126	.01491
#1	.29043	.07929	.00368	-.00574	.00573	z 14839.	1.9820	-.01424	.26838
#2	.28925	.08267	.00095	-.00943	.00620	z 14910.	2.0069	-.00820	.26832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.51619**
Stddev	.00367
%RSD	.71001
#1	.51360
#2	.51878
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2197.2**	**4722.9**	**51202.**	**3717.3**
Stddev	1.1	.9	116.	19.8
%RSD	.05089	.01982	.22705	.53255
#1	2196.4	4722.3	51284.	3703.3
#2	2198.0	4723.6	51120.	3731.3

Sample Name: SEQ-CCV Acquired: 12/9/2010 10:29:11 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	.48999	24.695	.50393	.49202	.49261	.49918	24.778	.50667	.49744	.50457	.50124	25.158	24.942	z *****
Stddev	.00224	.049	.00064	.00047	.00156	.00022	.094	.00038	.00007	.00225	.00031	.030	.030	-----
%RSD	.45702	.19813	.12788	.09540	.31690	.04507	.38048	.07552	.01372	.44624	.06276	.11959	.11960	-----
rf1	.48841	24.729	.50438	.49169	.49150	.49934	24.712	.50694	.49749	.50298	.50146	25.136	24.920	z 5045.1
rf2	.49157	24.660	.50347	.49235	.49371	.49902	24.845	.50640	.49739	.50616	.50102	25.179	24.963	z 5036.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	25.728	.51377	.50778	24.904	.50022	.50289	.51092	.50922	.50400	z *****	.50453	.50175	.48435	.50217
Stddev	.115	.00176	.00015	.012	.00146	.00144	.00411	.00288	.00228	-----	.00208	.00127	.00257	.00127
%RSD	.44739	.34343	.03014	.04814	.29224	.28626	.80437	.56652	.45321	-----	.41308	.25301	.53023	.25276
rf1	25.809	.51502	.50767	24.913	.49918	.50187	.51383	.51126	.50238	z 605.81	.50600	.50265	.48253	.50307
rf2	25.646	.51253	.50789	24.896	.50125	.50391	.50802	.50718	.50561	z 607.46	.50305	.50085	.48616	.50127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2546.8	4916.8	53617.	3650.2
Stddev	2.8	1.0	290.	1.2
%RSD	.10819	.02076	.53995	.03339
rf1	2548.7	4916.1	53412.	3651.0
rf2	2544.8	4917.5	53822.	3649.3

Sample Name: SEQ-CCB Acquired: 12/9/2010 10:31:16 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.04950	-.00033	-.00053	.00008	-.00012	.02213	-.00016	-.00006	-.00012	-.00027	.02548	.02351
Stddev	.00078	.07631	.00034	.00052	.00000	.00003	.01217	.00011	.00004	.00049	.00020	.00593	.01394
%RSD	685.63	154.16	102.96	97.884	4.2828	25.552	55.015	68.689	71.999	406.85	74.355	23.275	59.300
R1	-.00044	-.00446	-.00009	-.00016	.00008	-.00015	.01352	-.00008	-.00009	.00023	-.00013	.02968	.01365
R2	.00067	.10346	-.00057	-.00089	.00007	-.00010	.03074	-.00024	-.00003	-.00047	-.00041	.02129	.03337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908
Units	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm
Avg	z *****	.01663	.00074	.00019	.02094	-.00005	.00011	.00204	-.00657	.00032	z *****	.00059	-.00057
Stddev	-----	.00131	.00014	.00006	.00504	.00041	.00240	.00378	.00202	.00040	-----	.00004	.00039
%RSD	-----	7.8728	18.623	30.974	24.054	754.04	2271.0	185.26	30.722	122.80	-----	6.3443	68.270
R1	z 5069.1	.01756	.00065	.00015	.02451	.00024	-.00159	-.00063	-.00514	.00004	z 600.70	.00061	-.00084
R2	z 5082.1	.01571	.00084	.00023	.01738	-.00035	.00180	.00471	-.00800	.00060	z 605.50	.00056	-.00029
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.00028	-.00012
Stddev	.00070	.00012
%RSD	248.79	103.99
R1	-.00021	-.00003
R2	.00077	-.00021
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2693.9	4958.3	55187.	3692.5
Stddev	10.5	7.7	321.	4.3
%RSD	.38823	.15592	.58144	.11699
R1	2701.3	4963.8	55414.	3695.6
R2	2686.5	4952.8	54960.	3689.5

Sample Name: RTL0572-09 Acquired: 12/9/2010 10:33:27 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**191.90**	**.02770**	**.03027**	**.86523**	**.00937**	**12.832**	**.00125**	**.18831**
Stddev	.00106	.61	.00430	.00011	.00340	.00000	.005	.00014	.00003
%RSD	68.433	.31930	15.539	.36147	.39246	.00237	.04274	11.221	.01800
R1	-.00230	191.47	.02465	.03035	.86283	.00937	12.828	.00115	.18828
R2	-.00080	192.34	.03074	.03020	.86763	.00937	12.836	.00135	.18833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.25161**	**.25103**	**257.92**	**13.917**	z *****	**66.156**	**3.5284**	**.00081**	**1.2223**
Stddev	.00077	.00200	.84	.009	-----	.857	.0500	.00021	.0023
%RSD	.30470	.79684	.32757	.06450	-----	1.2951	1.4170	25.986	.18468
R1	.25107	.24962	257.33	13.911	z 6579.0	65.551	3.4930	.00066	1.2207
R2	.25215	.25244	258.52	13.923	z 6601.8	66.762	3.5637	.00096	1.2238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.30801**	**.06149**	**-.00064**	**-.01055**	**.00804**	z *****	**1.9437**	**-.00998**	**.26343**
Stddev	.00023	.00425	.00057	.00192	.00022	-----	.0182	.00277	.00138
%RSD	.07395	6.9056	88.731	18.235	2.7108	-----	.93545	27.703	.52488
R1	.30785	.06450	-.00104	-.01191	.00819	z 4684.1	1.9309	-.00803	.26245
R2	.30817	.05849	-.00024	-.00919	.00788	z 4705.9	1.9566	-.01194	.26441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.60398**
Stddev	.00770
%RSD	1.2753
R1	.59853
R2	.60942
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2378.6**	**4892.7**	**53630.**	**3782.5**
Stddev	2.1	2.1	330.	14.2
%RSD	.08778	.04306	.61507	.37438
R1	2380.1	4894.1	53864.	3772.5
R2	2377.2	4891.2	53397.	3792.5

Sample Name: RTL0572-10 Acquired: 12/9/2010 10:35:35 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00020	81.838	.01610	.03572	.59562	.00378	25.218	.00130	.01989
Stddev	.00107	.458	.00194	.00036	.00505	.00018	.246	.00004	.00009
%RSD	544.67	.55965	12.050	1.0001	.84768	4.8877	.97593	3.2568	.47088
R1	-.00095	82.162	.01473	.03546	.59919	.00391	25.392	.00127	.01995
R2	.00056	81.514	.01747	.03597	.59205	.00365	25.044	.00133	.01982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.09278	.05924	71.263	10.282	z *****	17.651	.69650	.00345	.92157
Stddev	.00042	.00011	.731	.001	-----	.000	.00204	.00000	.00684
%RSD	.44928	.18361	1.0255	.00676	-----	.00199	.29245	.10624	.74249
R1	.09308	.05917	71.780	10.282	z 5438.7	17.651	.69506	.00345	.92641
R2	.09249	.05932	70.746	10.282	z 5444.9	17.651	.69794	.00345	.91673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.07901	.09669	-.00325	-.00494	.00596	z *****	.91261	-.00449	.07943
Stddev	.00028	.00289	.00052	.00134	.00012	-----	.00092	.00106	.00075
%RSD	.35387	2.9871	16.038	27.152	1.9718	-----	.10077	23.509	.94752
R1	.07920	.09874	-.00362	-.00588	.00587	z 5130.7	.91326	-.00375	.07996
R2	.07881	.09465	-.00288	-.00399	.00604	z 5097.1	.91196	-.00524	.07890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.24982
Stddev	.00017
%RSD	.06883
R1	.24970
R2	.24994
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2497.1	4934.3	54877.	3821.9
Stddev	10.4	31.9	233.	.6
%RSD	.41477	.64677	.42428	.01634
R1	2504.4	4956.8	54713.	3821.5
R2	2489.8	4911.7	55042.	3822.3

Sample Name: RTL0572-11 Acquired: 12/9/2010 10:37:46 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00031	105.15	.01612	.04256	.65285	.00452	33.358	.00131	.02543
Stddev	.00102	.38	.00274	.00070	.00339	.00006	.054	.00006	.00007
%RSD	325.21	.36379	17.004	1.6409	.51956	1.3724	.16173	4.5491	.29445
#1	.00041	105.42	.01806	.04306	.65525	.00456	33.396	.00135	.02549
#2	-.00104	104.88	.01418	.04207	.65046	.00448	33.319	.00126	.02538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.11661	.05629	124.45	11.301	z *****	22.097	1.2570	.00294	.87191
Stddev	.00010	.00002	.15	.062	-----	.029	.0006	.00006	.00741
%RSD	.08762	.04282	.12171	.54485	-----	.13000	.04361	2.1594	.85024
#1	.11668	.05631	124.55	11.258	z 5642.4	22.077	1.2566	.00298	.87715
#2	.11654	.05627	124.34	11.345	z 5628.7	22.118	1.2574	.00289	.86667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.08952	.06609	-.00120	-.00558	.00630	z *****	1.0795	-.00602	.09728
Stddev	.00065	.00221	.00021	.00147	.00054	-----	.0009	.00119	.00032
%RSD	.73085	3.3479	17.202	26.338	8.5116	-----	.08240	19.812	.32633
#1	.08906	.06453	-.00106	-.00662	.00668	z 11961.	1.0789	-.00687	.09706
#2	.08998	.06766	-.00135	-.00454	.00592	z 12093.	1.0802	-.00518	.09751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.27809
Stddev	.00054
%RSD	.19329
#1	.27771
#2	.27847
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2450.6	4867.7	54040.	3762.9
Stddev	1.9	9.9	67.	27.5
%RSD	.07832	.20405	.12403	.73020
#1	2452.0	4874.7	53993.	3743.5
#2	2449.3	4860.7	54087.	3782.4

Sample Name: RTL0572-12 Acquired: 12/9/2010 10:39:57 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**139.79**	**.03375**	**.07516**	**.81530**	**.00703**	**401.93**	**.00138**	**.13023**
Stddev	.00052	.58	.00052	.00006	.00173	.00011	1.27	.00034	.00031
%RSD	34.127	.41456	1.5361	.07563	.21238	1.5746	.31640	24.374	.23508
#1	-.00115	139.38	.03411	.07520	.81408	.00695	401.03	.00114	.13002
#2	-.00189	140.20	.03338	.07512	.81653	.00711	402.82	.00161	.13045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.20036**	**.19229**	**229.08**	**20.411**	z *****	**111.62**	**5.3545**	**.00211**	**2.5381**
Stddev	.00033	.00122	.54	.081	----	.56	.0142	.00018	.0036
%RSD	.16545	.63206	.23619	.39685	----	.50460	.26555	8.5123	.14194
#1	.20059	.19143	228.70	20.354	z 6615.5	112.02	5.3646	.00224	2.5355
#2	.20012	.19315	229.46	20.468	z 6626.0	111.23	5.3445	.00198	2.5406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.30322**	**.07305**	**.00185**	**-.00679**	**.00778**	z *****	**1.9893**	**-.00809**	**.24466**
Stddev	.00123	.00126	.00020	.00410	.00000	----	.0079	.00211	.00156
%RSD	.40463	1.7270	10.626	60.301	.01084	----	.39804	26.148	.63645
#1	.30409	.07216	.00171	-.00969	.00778	z 17875.	1.9949	-.00958	.24577
#2	.30235	.07395	.00199	-.00390	.00778	z 17942.	1.9837	-.00659	.24356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.51609**
Stddev	.00591
%RSD	1.1459
#1	.52027
#2	.51191
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2222.6**	**4786.5**	**52355.**	**3795.6**
Stddev	9.4	29.1	399.	7.2
%RSD	.42409	.60737	.76207	.19099
#1	2229.2	4807.1	52073.	3790.5
#2	2215.9	4766.0	52637.	3800.8

Sample Name: RTL0572-13 Acquired: 12/9/2010 10:42:05 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00249**	**156.56**	**.03595**	**.04505**	**1.1248**	**.00940**	**139.99**	**.00108**	**.14277**
Stddev	.00014	1.51	.00084	.00034	.0068	.00006	1.27	.00009	.00016
%RSD	5.6653	.96745	2.3316	.75210	.60845	.59545	.90393	8.2421	.11233
#1	-.00239	155.49	.03654	.04529	1.1200	.00936	139.09	.00114	.14265
#2	-.00259	157.63	.03536	.04482	1.1296	.00944	140.88	.00102	.14288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.22109**	**.22506**	**255.59**	**16.132**	z *****	**80.319**	**5.7975**	**.00189**	**2.5317**
Stddev	.00053	.00107	.28	.121	----	.012	.0925	.00015	.0195
%RSD	.24009	.47630	.11040	.74742	----	.01543	1.5957	7.7868	.77125
#1	.22147	.22582	255.39	16.047	z 6467.5	80.328	5.8629	.00179	2.5179
#2	.22072	.22430	255.79	16.217	z 6468.8	80.310	5.7321	.00200	2.5456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.31768**	**.12283**	**.00326**	**-.00692**	**.00749**	z *****	**2.0676**	**-.01021**	**.28276**
Stddev	.00206	.00110	.00044	.00254	.00062	----	.0032	.00285	.00255
%RSD	.64776	.89819	13.474	36.633	8.3447	----	.15219	27.903	.90160
#1	.31913	.12205	.00295	-.00871	.00705	z 10831.	2.0698	-.01222	.28457
#2	.31622	.12361	.00357	-.00513	.00793	z 10759.	2.0654	-.00819	.28096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.53495**
Stddev	.00079
%RSD	.14764
#1	.53551
#2	.53439
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2320.2**	**4968.1**	**54330.**	**3840.7**
Stddev	.7	5.8	205.	23.5
%RSD	.02964	.11687	.37643	.61167
#1	2319.7	4972.2	54185.	3857.3
#2	2320.7	4964.0	54474.	3824.1

Sample Name: SEQ-SRD@5 Acquired: 12/9/2010 10:44:17 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**34.769**	**.00655**	**.01252**	**.25161**	**.00197**	**30.126**	**.00010**	**.02713**
Stddev	.00055	.084	.00049	.00084	.00042	.00008	.019	.00002	.00005
%RSD	57.372	.24101	7.5055	6.7226	.16529	4.0711	.06414	15.475	.16887
R1	-.00134	34.710	.00690	.01312	.25190	.00191	30.112	.00009	.02716
R2	-.00057	34.828	.00620	.01193	.25132	.00202	30.139	.00011	.02709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.04880**	**.04510**	**54.529**	**4.2764**	z *****	**17.275**	**1.2307**	**-.00002**	**.64985**
Stddev	.00033	.00026	.006	.0101	----	.132	.0075	.00028	.01417
%RSD	.67256	.56860	.01138	.23686	----	.76573	.60705	1145.2	2.1810
R1	.04903	.04528	54.533	4.2693	z 5279.1	17.368	1.2360	-.00022	.63983
R2	.04857	.04492	54.525	4.2836	z 5299.5	17.181	1.2254	.00017	.65987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.06089**	**.02868**	**-.00146**	**-.00538**	**.00181**	z *****	**.55881**	**-.00475**	**.06226**
Stddev	.00106	.00126	.00105	.00202	.00030	----	.01526	.00184	.00093
%RSD	1.7448	4.3845	71.728	37.587	16.557	----	2.7301	38.805	1.4976
R1	.06014	.02779	-.00072	-.00681	.00160	z 2664.8	.56960	-.00345	.06292
R2	.06164	.02957	-.00220	-.00395	.00202	z 2645.7	.54803	-.00605	.06160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.11504**
Stddev	.00091
%RSD	.79522
R1	.11569
R2	.11439
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2535.7	**4884.6**	**53428.**	**3646.2**
Stddev	1.5	.5	357.	16.8
%RSD	.05735	.00948	.66825	.46006
R1	2534.6	4884.3	53175.	3658.1
R2	2536.7	4884.9	53680.	3634.4

Sample Name: 10L0535-PS1 Acquired: 12/9/2010 10:46:23 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08900	174.19	.40471	.39850	1.4675	.38740	153.60	.37589	.54195
Stddev	.00077	.96	.00057	.00118	.0050	.00074	.43	.00023	.00090
%RSD	.87051	.55172	.14007	.29571	.33834	.19014	.27766	.06060	.16696
R1	.08845	173.51	.40431	.39766	1.4639	.38688	153.30	.37573	.54131
R2	.08955	174.87	.40511	.39933	1.4710	.38792	153.90	.37605	.54259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.57914	.58679	264.06	36.986	z *****	96.540	5.8264	.37889	21.510
Stddev	.00325	.00065	.39	.046	----	.037	.0735	.00047	.051
%RSD	.56068	.10993	.14657	.12545	----	.03870	1.2617	.12460	.23492
R1	.57685	.58725	263.79	36.953	z 6389.2	96.514	5.7744	.37923	21.474
R2	.58144	.58634	264.34	37.019	z 6389.5	96.567	5.8784	.37856	21.545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.70402	.51919	.38147	.35580	.38657	z *****	2.6645	.38147	.62828
Stddev	.00071	.00183	.00082	.00156	.00266	----	.0070	.00280	.00267
%RSD	.10086	.35218	.21623	.43959	.68770	----	.26321	.73500	.42542
R1	.70452	.51790	.38089	.35690	.38469	z 10427.	2.6595	.37949	.62639
R2	.70352	.52048	.38206	.35469	.38845	z 10501.	2.6695	.38345	.63017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.85865
Stddev	.00406
%RSD	.47255
R1	.85578
R2	.86152
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2286.5	4936.9	53806.	3803.3
Stddev	4.2	15.7	84.	10.6
%RSD	.18154	.31824	.15642	.27756
R1	2283.6	4925.8	53746.	3795.8
R2	2289.5	4948.0	53865.	3810.7

Sample Name: 10L0535-MS1 Acquired: 12/9/2010 10:48:32 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08902	166.62	.40842	.36918	1.6214	.37081	158.61	.36829	.54870
Stddev	.00027	.56	.00270	.00046	.0005	.00054	.64	.00089	.00249
%RSD	.30105	.33478	.66201	.12548	.02966	.14566	.40386	.24211	.45391
#1	.08921	166.23	.40651	.36885	1.6211	.37043	158.16	.36766	.54694
#2	.08883	167.01	.41033	.36950	1.6218	.37119	159.06	.36892	.55046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.56682	.60137	285.23	32.455	z *****	103.35	6.1568	.35150	20.844
Stddev	.00172	.00196	1.52	.038	----	.12	.0909	.00074	.055
%RSD	.30415	.32618	.53181	.11818	----	.11157	1.4759	.21153	.26358
#1	.56804	.60276	284.15	32.427	z 6439.0	103.27	6.2211	.35098	20.805
#2	.56561	.59998	286.30	32.482	z 6446.5	103.43	6.0926	.35203	20.883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.72243	.51449	.14249	.35378	.34430	z *****	2.5754	.36343	.62628
Stddev	.00270	.00018	.00157	.00309	.00177	----	.0006	.00173	.00356
%RSD	.37362	.03521	1.1050	.87229	.51465	----	.02256	.47470	.56803
#1	.72052	.51436	.14361	.35160	.34305	z 11303.	2.5758	.36222	.62879
#2	.72433	.51462	.14138	.35596	.34555	z 11338.	2.5750	.36465	.62376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.87957
Stddev	.00053
%RSD	.06082
#1	.87994
#2	.87919
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2290.4	4980.3	54444.	3873.9
Stddev	2.5	6.6	47.	2.3
%RSD	.10804	.13348	.08611	.05972
#1	2292.2	4975.6	54477.	3872.3
#2	2288.7	4985.0	54411.	3875.5

Sample Name: 10L0535-MSD1 Acquired: 12/9/2010 10:50:41 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08645**	**164.49**	**.39748**	**.36339**	**1.3001**	**.37070**	**124.37**	**.36557**	**.55199**
Stddev	.00001	.28	.00155	.00021	.0010	.00142	.25	.00186	.00152
%RSD	.01711	.16736	.38875	.05651	.07633	.38216	.20342	.50988	.27491
r1	.08644	164.29	.39639	.36353	1.2994	.37170	124.19	.36689	.55306
r2	.08646	164.68	.39858	.36324	1.3008	.36970	124.55	.36425	.55092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.56360**	**.61334**	**288.75**	**31.324**	z *****	**98.616**	**4.7346**	**.35217**	**20.580**
Stddev	.00243	.00212	1.09	.164	-----	.456	.0087	.00075	.014
%RSD	.43178	.34507	.37916	.52375	-----	.46280	.18467	.21316	.06995
r1	.56188	.61484	287.98	31.440	z 6417.2	98.293	4.7284	.35270	20.570
r2	.56532	.61184	289.52	31.208	z 6436.1	98.939	4.7408	.35164	20.590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.72297**	**.55518**	**.13874**	**.34964**	**.34562**	z *****	**2.5745**	**.36658**	**.63366**
Stddev	.00232	.00019	.00091	.00560	.00005	-----	.0040	.00332	.00032
%RSD	.32110	.03432	.65572	1.6010	.01320	-----	.15433	.90683	.05036
r1	.72461	.55505	.13809	.35360	.34565	z 9870.0	2.5717	.36893	.63344
r2	.72133	.55532	.13938	.34568	.34558	z 9800.7	2.5774	.36423	.63389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.89651**
Stddev	.00284
%RSD	.31696
r1	.89450
r2	.89852
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2297.1**	**5013.0**	**55103.**	**3903.0**
Stddev	9.8	12.1	98.	9.9
%RSD	.42636	.24124	.17779	.25364
r1	2290.2	5004.4	55172.	3910.0
r2	2304.0	5021.5	55034.	3896.0

Sample Name: RTL0614-06 Acquired: 12/9/2010 10:52:43 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00265	27.485	.02596	.03801	F 11.169	.00142	130.01	.03013	.03030
Stddev	.00015	.015	.00094	.00046	.020	.00021	.48	.00016	.00015
%RSD	5.7138	.05453	3.6319	1.2169	.17511	15.147	.37233	.54091	.49732
R1	.00254	27.474	.02530	.03769	11.155	.00126	129.67	.03002	.03019
R2	.00275	27.495	.02663	.03834	11.183	.00157	130.36	.03025	.03041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					10.000				
Low Limit					-.00200				

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.37704	1.3214	80.775	3.3407	z *****	84.806	.59380	.06818	.64834
Stddev	.00023	.0026	.011	.1150	-----	.301	.00259	.00038	.01631
%RSD	.06208	.19847	.01366	3.4412	-----	.35487	.43638	.55628	2.5152
R1	.37687	1.3233	80.767	3.4220	z 4935.0	85.019	.59563	.06845	.65987
R2	.37720	1.3196	80.782	3.2594	z 4923.7	84.593	.59197	.06791	.63681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.24134	1.3742	.11419	-.00044	.18792	z *****	1.1679	-.00503	.10842
Stddev	.00099	.0034	.00047	.00012	.00031	-----	.0024	.00027	.00044
%RSD	.41014	.25020	.41544	27.961	.16643	-----	.20471	5.3031	.40887
R1	.24064	1.3718	.11453	-.00052	.18814	z 6551.8	1.1696	-.00522	.10873
R2	.24204	1.3767	.11386	-.00035	.18770	z 6575.5	1.1662	-.00484	.10811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	F 10.512
Stddev	.030
%RSD	.28184
R1	10.533
R2	10.491
Check ?	Chk Fail
High Limit	10.000
Low Limit	-.01000

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2371.3	4702.0	52186.	3645.0
Stddev	5.7	9.4	74.	3.7
%RSD	.23853	.19956	.14168	.10091
R1	2375.3	4708.6	52134.	3642.4
R2	2367.3	4695.3	52238.	3647.6

Sample Name: SEQ-CCV Acquired: 12/9/2010 10:54:52 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	**.48235**	**24.480**	**.50961**	**.49583**	**.48920**	**.50347**	**24.538**	**.51018**	**.49917**	**.50299**	**.49525**	**25.508**	**25.205**	z *****
Stddev	.00307	.213	.00203	.00043	.00414	.00438	.232	.00138	.00235	.00319	.00300	.136	.203	----
%RSD	.63742	.86865	.39768	.08708	.84565	.86960	.94739	.27056	.46988	.63409	.60669	.53451	.80370	----
r1	.48017	24.631	.50818	.49614	.49212	.50656	24.702	.51115	.50082	.50074	.49313	25.605	25.348	z 5025.2
r2	.48452	24.330	.51105	.49553	.48627	.50037	24.373	.50920	.49751	.50525	.49738	25.412	25.062	z 5046.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**26.307**	**.52008**	**.51273**	**24.998**	**.50459**	**.50807**	**.51591**	**.50736**	**.50564**	z *****	**.50646**	**.50537**	**.47777**	**.50639**
Stddev	.052	.00069	.00208	.174	.00135	.00207	.00318	.00461	.00234	----	.00133	.00419	.00300	.00061
%RSD	.19757	.13184	.40579	.69661	.26758	.40659	.61621	.90885	.46249	----	.26316	.82899	.62866	.12010
r1	26.270	.51959	.51420	25.121	.50555	.50953	.51816	.51062	.50729	z 605.42	.50552	.50833	.47565	.50682
r2	26.344	.52056	.51126	24.875	.50364	.50661	.51366	.50410	.50399	z 606.87	.50740	.50241	.47990	.50596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range														

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2515.4**	**4846.1**	**52970.**	**3574.5**
Stddev	1.8	2.1	228.	.5
%RSD	.07241	.04333	.43118	.01343
r1	2514.1	4844.6	53131.	3574.8
r2	2516.7	4847.6	52808.	3574.1

Sample Name: SEQ-CCB Acquired: 12/9/2010 10:56:57 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.04827	-.00067	-.00065	.00081	.00017	.04770	-.00019	-.00017	-.00025	-.00091	F .06369
Stddev	.00100	.01494	.00182	.00102	.00003	.00002	.00664	.00004	.00018	.00066	.00032	.00119
%RSD	797.57	30.944	271.63	156.92	4.2117	12.175	13.911	20.485	106.07	264.85	34.683	1.8638
rf1	.00083	.05883	.00062	.00007	.00083	.00016	.05239	-.00016	-.00004	.00022	-.00069	.06285
rf2	-.00058	.03771	-.00196	-.00137	.00078	.00018	.04301	-.00022	-.00030	-.00072	-.00113	.06453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.05000
Low Limit												-.04000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077
Units	ppm	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	-.01584	z *****	.02603	.00155	.00053	.00138	.00041	-.00023	.00364	-.00738	.00043	z *****
Stddev	.00654	-----	.00045	.00009	.00028	.00758	.00008	.00330	.00207	.00233	.00015	----
%RSD	41.293	-----	1.7445	5.4868	53.527	548.01	19.104	1443.4	56.976	31.497	35.677	----
rf1	-.01122	z 5027.3	.02571	.00161	.00073	.00675	.00047	.00211	.00510	-.00903	.00032	z 601.45
rf2	-.02047	z 5026.4	.02635	.00149	.00033	-.00398	.00035	-.00257	.00217	-.00574	.00054	z 598.75
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit												
Low Limit												

Elem	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm
Avg	.00074	-.00219	-.00026	.00045
Stddev	.00012	.00051	.00006	.00051
%RSD	16.710	23.267	23.218	113.46
rf1	.00065	-.00183	-.00030	.00081
rf2	.00083	-.00255	-.00022	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2671.4	4893.6	54106.	3576.3
Stddev	10.1	8.7	63.	13.1
%RSD	.37861	.17774	.11728	.36524
rf1	2678.6	4899.8	54062.	3567.1
rf2	2664.3	4887.5	54151.	3585.5

Sample Name: RTL0407-03 diss raw Acquired: 12/9/2010 10:59:09 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.08096	.00121	.47557	.06998	.00019	67.691	-.00018	.00013
Stddev	.00131	.00010	.00170	.00137	.00026	.00007	.029	.00017	.00005
%RSD	5353.5	.12893	140.27	.28781	.36842	35.204	.04307	97.644	41.284
#1	.00095	.08103	.00001	.47654	.07016	.00024	67.711	-.00006	.00017
#2	-.00090	.08089	.00241	.47460	.06979	.00014	67.670	-.00030	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.00068	.00066	.06015	2.0642	z *****	48.839	.00863	.04471	55.597
Stddev	.00061	.00000	.00705	.0579	-----	.282	.00005	.00025	.189
%RSD	89.577	.07442	11.713	2.8043	-----	.57691	.57442	.55141	.33978
#1	.00025	.00066	.05517	2.1051	z 5081.0	49.039	.00859	.04488	55.463
#2	.00111	.00066	.06513	2.0232	z 5085.8	48.640	.00866	.04453	55.730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00285	.00088	-.00431	-.01129	-.00016	z *****	.00071	-.00073	.00026
Stddev	.00017	.00069	.00168	.00003	.00012	-----	.00030	.00086	.00054
%RSD	5.9236	79.205	39.002	.29267	77.291	-----	42.706	117.04	204.00
#1	.00273	.00137	-.00312	-.01127	-.00007	z 44706.	.00092	-.00013	-.00012
#2	.00297	.00039	-.00550	-.01131	-.00025	z 44211.	.00049	-.00134	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.00163
Stddev	.00016
%RSD	10.072
#1	.00174
#2	.00151
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2552.0	4837.9	53727.	3639.9
Stddev	.1	11.4	69.	13.2
%RSD	.00267	.23461	.12846	.36247
#1	2552.0	4829.9	53776.	3649.2
#2	2551.9	4845.9	53679.	3630.5

Sample Name: RTL0520-04 diss raw Acquired: 12/9/2010 11:01:16 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.02594**	**-.00005**	**.02157**	**.04159**	**-.00015**	**74.829**	**.00003**	**-.00042**
Stddev	.00042	.01461	.00017	.00005	.00013	.00010	.124	.00031	.00030
%RSD	174.00	56.336	318.28	.22611	.31861	63.959	.16527	1004.4	71.735
#1	-.00053	.03628	.00007	.02161	.04168	-.00022	74.742	-.00019	-.00020
#2	.00005	.01561	-.00017	.02154	.04150	-.00008	74.917	.00025	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.00180**	**.00104**	**.03694**	**1.3060**	**z *****	**45.998**	**.00074**	**.00190**	**27.822**
Stddev	.00082	.00018	.00381	.0483	----	.101	.00002	.00004	.016
%RSD	45.583	16.766	10.302	3.6988	----	.21963	2.5789	2.1552	.05844
#1	.00122	.00092	.03963	1.3401	z 5045.8	46.069	.00075	.00187	27.810
#2	.00238	.00117	.03425	1.2718	z 5042.2	45.926	.00073	.00193	27.833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.00114**	**.00203**	**-.00524**	**-.00580**	**.00014**	**z *****	**.00087**	**-.00168**	**.00044**
Stddev	.00063	.00157	.00259	.00488	.00035	----	.00071	.00039	.00023
%RSD	55.163	77.673	49.475	84.092	262.01	----	82.378	23.400	51.204
#1	.00158	.00314	-.00341	-.00235	-.00012	z 3555.7	.00137	-.00196	.00060
#2	.00069	.00091	-.00708	-.00925	.00039	z 3525.1	.00036	-.00141	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.00086**
Stddev	.00025
%RSD	28.925
#1	.00068
#2	.00104
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2528.8**	**4783.8**	**52669.**	**3599.7**
Stddev	14.6	22.6	16.	7.9
%RSD	.57932	.47294	.03122	.21917
#1	2539.2	4799.8	52657.	3605.2
#2	2518.5	4767.8	52680.	3594.1

Sample Name: RTK1165-05 Traw Acquired: 12/9/2010 11:03:23 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.53624**	**.00051**	**.01245**	**.19406**	**.00091**	**10.159**	**.00004**	**.01524**
Stddev	.00092	.01298	.00003	.00027	.00097	.00009	.152	.00018	.00021
%RSD	807.55	2.4206	5.3677	2.2018	.50175	10.303	1.4998	486.54	1.3977
#1	-.00077	.52707	.00053	.01225	.19337	.00084	10.051	.00016	.01539
#2	.00054	.54542	.00049	.01264	.19475	.00097	10.267	-.00009	.01509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.00227**	**.00199**	**.20524**	**1.7712**	z *****	**9.0086**	**.20315**	**.00070**	**67.725**
Stddev	.00005	.00016	.00783	.0975	----	.0063	.00011	.00023	.806
%RSD	2.0108	8.1122	3.8161	5.5049	----	.07043	.05488	32.867	1.1898
#1	.00230	.00187	.21078	1.7022	z 5116.3	9.0131	.20307	.00054	67.155
#2	.00224	.00210	.19970	1.8401	z 5101.0	9.0041	.20323	.00087	68.295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.01354**	**.00205**	**-.00357**	**-.00796**	**-.00017**	z *****	**.00673**	**-.00167**	**-.00009**
Stddev	.00052	.00282	.00383	.00505	.00006	----	.00162	.00068	.00051
%RSD	3.8211	137.52	107.30	63.492	33.859	----	24.128	40.595	572.98
#1	.01317	.00006	-.00086	-.01153	-.00021	z 2074.6	.00559	-.00215	-.00045
#2	.01390	.00405	-.00628	-.00439	-.00013	z 2065.4	.00788	-.00119	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.01369
Stddev	.00013
%RSD	.94899
#1	.01360
#2	.01379
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2652.7**	**5040.2**	**53008.**	**3608.0**
Stddev	.5	9.9	157.	50.4
%RSD	.01804	.19716	.29698	1.3956
#1	2652.4	5047.2	52897.	3643.6
#2	2653.1	5033.2	53119.	3572.4

Sample Name: RTK1245-08 T raw Acquired: 12/9/2010 11:05:33 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	3.6417	.00214	.05318	.07501	.00008	15.762	-.00006	.00317
Stddev	.00048	.0644	.00056	.00018	.00011	.00013	.023	.00009	.00006
%RSD	664.74	1.7683	26.315	.34182	.15080	174.30	.14427	147.66	1.9149
#1	.00042	3.6872	.00254	.05305	.07509	-.00002	15.778	.00000	.00322
#2	-.00027	3.5961	.00174	.05331	.07493	.00017	15.745	-.00012	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.00559	.03158	4.2851	4.4633	z *****	4.5637	.20325	.00265	46.644
Stddev	.00011	.00010	.0218	.0228	-----	.0276	.00109	.00004	.076
%RSD	1.9254	.33049	.50956	.51085	-----	.60541	.53647	1.3757	.16353
#1	.00552	.03165	4.3005	4.4472	z 5068.3	4.5441	.20248	.00268	46.698
#2	.00567	.03150	4.2696	4.4795	z 5046.9	4.5832	.20402	.00263	46.590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00678	.01194	-.00067	-.00502	.00093	z *****	.10328	-.00095	.00728
Stddev	.00091	.00101	.00050	.00079	.00021	----	.00379	.00153	.00043
%RSD	13.414	8.4685	74.524	15.709	22.599	----	3.6741	161.60	5.9466
#1	.00742	.01265	-.00103	-.00557	.00108	z 1713.1	.10596	.00013	.00698
#2	.00614	.01122	-.00032	-.00446	.00078	z 1710.9	.10059	-.00203	.00759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.11435
Stddev	.00084
%RSD	.73487
#1	.11494
#2	.11375
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2675.8	5064.7	55194.	3761.8
Stddev	4.3	13.2	310.	12.6
%RSD	.16084	.26087	.56132	.33374
#1	2672.7	5074.1	55413.	3752.9
#2	2678.8	5055.4	54975.	3770.6

Sample Name: RTK1331-03 T raw Acquired: 12/9/2010 11:07:40 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00057	.28182	-.00014	.02682	.03576	.00020	4.2173	-.00020	.00460
Stddev	.00046	.01440	.00138	.00015	.00031	.00006	.0010	.00038	.00014
%RSD	80.572	5.1088	970.80	.56725	.85685	28.571	.02390	191.49	3.1201
#1	.00024	.29200	.00083	.02693	.03598	.00025	4.2166	.00007	.00449
#2	.00089	.27164	-.00112	.02671	.03554	.00016	4.2180	-.00046	.00470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.00005	.00037	.06384	1.1506	z *****	3.7461	.05161	-.00027	2.8729
Stddev	.00070	.00015	.00373	.0079	----	.0137	.00005	.00007	.0057
%RSD	1433.9	39.798	5.8483	.68916	----	.36512	.08953	25.459	.19717
#1	-.00044	.00027	.06648	1.1562	z 5081.2	3.7557	.05164	-.00023	2.8689
#2	.00054	.00048	.06120	1.1450	z 5080.9	3.7364	.05158	-.00032	2.8769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.01056	.00053	-.00323	-.00350	.00004	z *****	.00335	-.00173	.00046
Stddev	.00018	.00031	.00035	.00001	.00002	----	.00178	.00053	.00006
%RSD	1.7222	58.587	10.829	.20570	51.972	----	53.263	30.849	13.037
#1	.01069	.00031	-.00299	-.00349	.00003	z 1076.4	.00461	-.00135	.00050
#2	.01043	.00075	-.00348	-.00350	.00006	z 1071.9	.00209	-.00210	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.01603
Stddev	.00040
%RSD	2.4749
#1	.01631
#2	.01575
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2738.2	5053.7	56226.	3781.6
Stddev	6.3	7.0	382.	16.7
%RSD	.23015	.13827	.67913	.44093
#1	2742.7	5058.6	55956.	3793.4
#2	2733.8	5048.8	56496.	3769.8

Sample Name: RTL0476-02 T raw Acquired: 12/9/2010 11:09:48 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.45548	.00379	.06053	.02548	.00000	37.390	.00006	-.00006
Stddev	.00059	.01066	.00039	.00036	.00000	.00015	.197	.00006	.00009
%RSD	2892.9	2.3414	10.282	.60296	.00025	4363.7	.52690	111.15	138.78
#1	.00040	.46302	.00406	.06079	.02548	.00011	37.251	.00010	.00000
#2	-.00044	.44794	.00351	.06028	.02548	-.00010	37.529	.00001	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.00194	.00207	.35670	2.4587	z *****	9.0779	.01908	.00136	29.105
Stddev	.00002	.00059	.01305	.0141	-----	.0040	.00003	.00006	.177
%RSD	.89773	28.598	3.6582	.57296	-----	.04466	.14000	4.3234	.60761
#1	.00192	.00165	.34748	2.4488	z 5100.2	9.0808	.01910	.00140	28.980
#2	.00195	.00248	.36593	2.4687	z 5078.2	9.0750	.01906	.00132	29.230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00163	.00129	-.00523	-.00745	.00023	z *****	.02225	-.00081	.00413
Stddev	.00060	.00073	.00026	.00123	.00029	-----	.00934	.00134	.00003
%RSD	36.728	56.735	4.9422	16.493	122.79	-----	41.966	165.34	.73683
#1	.00205	.00077	-.00541	-.00832	.00044	z 4033.5	.02885	-.00176	.00411
#2	.00121	.00180	-.00505	-.00658	.00003	z 4030.4	.01564	.00014	.00415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.00863
Stddev	.00012
%RSD	1.4299
#1	.00854
#2	.00872
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2620.1	4916.5	54395.	3728.1
Stddev	1.9	.8	71.	5.5
%RSD	.07140	.01724	.13128	.14785
#1	2621.4	4917.1	54345.	3732.0
#2	2618.8	4915.9	54446.	3724.2

Sample Name: RTL0476-03 T raw Acquired: 12/9/2010 11:11:56 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.53998	.00179	.02832	.02665	.00005	33.847	-.00011	.00000
Stddev	.00007	.00076	.00112	.00059	.00003	.00038	.339	.00012	.00026
%RSD	17.370	.14060	62.360	2.0842	.11108	737.19	1.0011	110.55	79944.
#1	.00043	.53945	.00258	.02790	.02667	-.00022	33.607	-.00002	-.00019
#2	.00033	.54052	.00100	.02873	.02663	.00032	34.086	-.00019	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.00118	.00215	.41070	1.9754	z *****	9.4880	.02171	.00091	13.933
Stddev	.00001	.00069	.01620	.0348	-----	.0056	.00017	.00020	.062
%RSD	1.0832	32.317	3.9445	1.7635	-----	.05933	.77414	21.679	.44490
#1	.00119	.00166	.39925	2.0000	z 5079.6	9.4920	.02159	.00077	13.889
#2	.00117	.00264	.42216	1.9508	z 5054.9	9.4841	.02182	.00105	13.976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00128	.00064	-.00261	-.00989	-.00002	z *****	.01719	-.00076	.00078
Stddev	.00042	.00136	.00009	.00171	.00042	-----	.00273	.00108	.00012
%RSD	33.223	213.36	3.3460	17.238	2265.4	-----	15.864	142.95	15.441
#1	.00098	.00160	-.00267	-.00869	-.00032	z 3850.2	.01526	-.00152	.00070
#2	.00158	-.00032	-.00255	-.01110	.00028	z 3836.0	.01911	.00001	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.00331
Stddev	.00037
%RSD	11.134
#1	.00357
#2	.00305
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2616.6	4875.1	54269.	3705.1
Stddev	10.6	23.7	248.	27.5
%RSD	.40393	.48614	.45712	.74147
#1	2624.0	4891.8	54445.	3724.6
#2	2609.1	4858.3	54094.	3685.7

Sample Name: RTL0476-04 T raw Acquired: 12/9/2010 11:14:05 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00077	.53310	.00095	.02298	.02594	-.00013	32.291	-.00005	-.00014
Stddev	.00087	.00299	.00185	.00039	.00037	.00009	.639	.00021	.00030
%RSD	113.15	.56114	194.79	1.7026	1.4159	73.877	1.9787	381.32	219.14
#1	.00015	.53521	-.00036	.02270	.02620	-.00006	32.743	.00009	.00007
#2	.00138	.53098	.00226	.02325	.02568	-.00020	31.839	-.00020	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.00159	.00355	.43202	1.7850	z *****	9.1722	.02058	.00064	12.179
Stddev	.00092	.00057	.01757	.0225	-----	.0412	.00051	.00050	.172
%RSD	57.667	16.159	4.0680	1.2613	-----	.44915	2.4619	77.295	1.4106
#1	.00224	.00396	.44445	1.8009	z 5051.9	9.2013	.02094	.00100	12.300
#2	.00094	.00315	.41959	1.7690	z 5056.9	9.1431	.02022	.00029	12.057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00167	.00187	-.00449	-.00796	-.00013	z *****	.01622	-.00054	.00135
Stddev	.00008	.00028	.00089	.00448	.00059	-----	.00049	.00116	.00015
%RSD	4.7423	14.955	19.809	56.256	444.42	-----	2.9894	214.71	10.743
#1	.00173	.00167	-.00512	-.00479	-.00055	z 3642.5	.01657	.00028	.00125
#2	.00162	.00206	-.00386	-.01112	.00028	z 3619.8	.01588	-.00136	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.00301
Stddev	.00013
%RSD	4.3977
#1	.00291
#2	.00310
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2624.6	4875.6	54110.	3663.2
Stddev	5.7	6.7	372.	29.5
%RSD	.21888	.13804	.68805	.80569
#1	2620.6	4870.8	53847.	3642.3
#2	2628.7	4880.4	54373.	3684.0

Sample Name: RTL0572-01@5 Acquired: 12/9/2010 11:16:15 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00023	3.2965	.00291	.00825	.01821	.00026	174.63	.00055	.00265
Stddev	.00069	.0025	.00209	.00002	.00007	.00010	.21	.00012	.00023
%RSD	301.25	.07717	71.856	.25893	.40342	38.909	.12298	21.376	8.8792
#1	.00026	3.2983	.00439	.00826	.01816	.00019	174.78	.00064	.00281
#2	-.00072	3.2947	.00143	.00823	.01826	.00033	174.48	.00047	.00248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.00670	.01435	9.3814	.65433	z *****	92.897	.49332	.00002	.24397
Stddev	.00024	.00046	.0353	.02549	----	.646	.00239	.00004	.01114
%RSD	3.5693	3.2275	.37618	3.8949	----	.69491	.48487	206.08	4.5660
#1	.00653	.01403	9.4063	.63630	z 4878.5	93.353	.49501	.00004	.23610
#2	.00687	.01468	9.3564	.67235	z 4891.6	92.440	.49163	-.00001	.25185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00734	.01359	-.00355	-.00524	.00036	z *****	.09320	-.00179	.00953
Stddev	.00073	.00058	.00273	.00277	.00011	----	.00066	.00014	.00036
%RSD	9.9471	4.2546	76.873	52.854	29.405	----	.71223	7.9280	3.7580
#1	.00786	.01399	-.00548	-.00720	.00029	z 2965.3	.09273	-.00189	.00927
#2	.00683	.01318	-.00162	-.00328	.00044	z 2941.5	.09367	-.00169	.00978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.07388
Stddev	.00008
%RSD	.11120
#1	.07383
#2	.07394
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2365.6	4594.8	50800.	3562.4
Stddev	8.7	10.9	229.	.2
%RSD	.36879	.23802	.45091	.00659
#1	2359.4	4587.0	50638.	3562.2
#2	2371.7	4602.5	50962.	3562.6

Sample Name: RTL0572-02@5 Acquired: 12/9/2010 11:18:23 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00073	3.7451	.00633	.00700	.02258	.00000	134.09	.00040	.00287
Stddev	.00068	.0217	.00167	.00023	.00023	.0003	.75	.00020	.00006
%RSD	93.109	.57937	26.396	3.2697	1.0133	6222.5	.56031	51.573	2.0310
R1	-.00121	3.7297	.00515	.00684	.02242	-.00020	133.55	.00054	.00291
R2	-.00025	3.7604	.00752	.00716	.02275	.00019	134.62	.00025	.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.01223	.01026	8.6385	.97558	z *****	48.944	.35910	-.00007	.20955
Stddev	.00007	.00017	.0372	.01503	-----	.318	.00168	.00002	.01200
%RSD	.58977	1.6562	.43042	1.5409	-----	.64883	.46762	22.884	5.7276
R1	.01228	.01038	8.6122	.98621	z 4909.0	48.720	.35792	-.00006	.20106
R2	.01218	.01014	8.6648	.96495	z 4911.0	49.169	.36029	-.00008	.21803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00746	.01184	-.00249	-.00898	.00053	z *****	.12434	-.00230	.00980
Stddev	.00001	.00036	.00105	.00234	.00006	-----	.00083	.00065	.00050
%RSD	.09101	3.0195	42.227	26.072	10.803	-----	.67021	28.095	5.1537
R1	.00746	.01159	-.00323	-.01064	.00049	z 4907.6	.12375	-.00184	.01015
R2	.00745	.01210	-.00175	-.00733	.00057	z 4909.3	.12493	-.00276	.00944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.05070
Stddev	.00054
%RSD	1.0683
R1	.05032
R2	.05109
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2422.0	4655.4	51115.	3556.5
Stddev	5.2	9.9	236.	9.7
%RSD	.21379	.21329	.46159	.27334
R1	2425.6	4662.4	51282.	3563.4
R2	2418.3	4648.4	50948.	3549.7

Sample Name: SEQ-CCV Acquired: 12/9/2010 11:20:33 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	.48412	24.302	.50788	.49526	.48962	.49816	24.263	.50953	.49771	.49860	.49948	25.163	24.973	z *****
Stddev	.00233	.017	.00059	.00113	.00002	.00219	.027	.00080	.00042	.00085	.00094	.086	.107	----
%RSD	.48067	.06887	.11520	.22780	.00502	.43998	.11185	.15642	.08466	.17021	.18884	.34215	.42920	----
#1	.48576	24.291	.50830	.49447	.48964	.49971	24.243	.50897	.49742	.49920	.49882	25.224	25.049	z 4928.3
#2	.48247	24.314	.50747	.49606	.48960	.49661	24.282	.51010	.49801	.49800	.50015	25.102	24.897	z 4940.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	25.525	.51046	.50939	24.850	.49765	.50302	.51390	.50976	.50075	z *****	.50290	.50360	.47941	.49518
Stddev	.055	.00088	.00010	.043	.00114	.00060	.00166	.00367	.00094	----	.00062	.00102	.00174	.00099
%RSD	.21636	.17191	.01883	.17256	.22985	.11902	.32393	.71927	.18689	----	.12416	.20248	.36274	.20030
#1	25.564	.51108	.50946	24.880	.49846	.50260	.51507	.50717	.50141	z 593.80	.50334	.50432	.47818	.49588
#2	25.486	.50984	.50933	24.820	.49684	.50344	.51272	.51235	.50009	z 593.32	.50246	.50288	.48064	.49448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range														

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2505.1	4820.3	52672.	3566.4
Stddev	12.0	20.8	377.	25.6
%RSD	.47716	.43144	.71589	.71647
#1	2496.6	4805.5	52406.	3584.5
#2	2513.5	4835.0	52939.	3548.3

Sample Name: SEQ-CCB Acquired: 12/9/2010 11:22:37 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00053	.02125	.00036	-.00161	.00009	.00021	.01284	.00001	.00007	-.00026	-.00013	.02015	-.00422
Stddev	.00056	.02062	.00171	.00001	.00004	.00009	.00341	.00008	.00014	.00004	.00060	.00557	.07848
%RSD	104.62	97.058	479.57	.70342	43.621	43.047	26.538	951.73	187.87	15.896	453.28	27.637	1860.3
R1	-.00014	.03583	.00156	-.00160	.00006	.00014	.01043	-.00005	.00017	-.00023	-.00056	.01621	-.05971
R2	-.00092	.00667	-.00085	-.00162	.00012	.00027	.01525	.00007	-.00002	-.00029	.00029	.02409	.05127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908
Units	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm
Avg	z *****	.00807	.00014	.00026	-.00993	.00063	-.00045	.00190	-.00983	.00018	z *****	.00037	-.00121
Stddev	-----	.00109	.00009	.00007	.01705	.00052	.00253	.00024	.00072	.00039	-----	.00006	.00059
%RSD	-----	13.479	62.424	28.326	171.78	82.787	564.52	12.488	7.3741	211.26	-----	17.374	48.617
R1	z 5005.9	.00730	.00020	.00031	.00213	.00100	-.00223	.00174	-.00932	-.00009	z 592.25	.00042	-.00162
R2	z 4975.9	.00884	.00008	.00020	-.02198	.00026	.00134	.00207	-.01034	.00046	z 588.85	.00033	-.00079
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.00006	-.00020
Stddev	.00009	.00043
%RSD	149.52	217.16
R1	.00000	-.00050
R2	-.00012	.00010
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2670.7	4904.6	53903.	3599.6
Stddev	11.6	18.8	647.	11.3
%RSD	.43261	.38268	1.1995	.31529
R1	2662.5	4891.3	54361.	3607.6
R2	2678.8	4917.9	53446.	3591.5

Sample Name: RTL0572-07@5 Acquired: 12/9/2010 11:24:49 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	26.768	.00971	.00826	.24629	.00147	14.377	.00024	.02362
Stddev	.00022	.031	.00082	.00060	.00263	.00008	.083	.00022	.00020
%RSD	184.15	.11690	8.4075	7.2314	1.0691	5.2867	.57461	91.947	.85178
#1	-.00004	26.746	.00913	.00784	.24443	.00153	14.318	.00008	.02348
#2	.00027	26.790	.01029	.00868	.24815	.00142	14.435	.00039	.02376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.04002	.04350	47.264	2.5354	z *****	20.570	4.1960	.00011	.38410
Stddev	.00051	.00024	.071	.0665	----	.275	.0469	.00013	.00483
%RSD	1.2671	.55759	.14976	2.6215	----	1.3364	1.1166	118.93	1.2567
#1	.03966	.04332	47.214	2.5824	z 5205.1	20.376	4.1629	.00002	.38069
#2	.04038	.04367	47.314	2.4884	z 5198.4	20.764	4.2292	.00020	.38751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.05485	.01782	-.00197	-.00912	.00114	z *****	.43861	-.00488	.05213
Stddev	.00067	.00120	.00148	.00328	.00054	----	.00408	.00048	.00036
%RSD	1.2304	6.7382	74.999	35.979	47.486	----	.93067	9.7592	.69133
#1	.05437	.01697	-.00092	-.00680	.00152	z 1675.8	.43572	-.00455	.05188
#2	.05533	.01867	-.00301	-.01145	.00076	z 1693.7	.44150	-.00522	.05239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.09805
Stddev	.00152
%RSD	1.5517
#1	.09697
#2	.09912
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2543.9	4928.0	54397.	3729.3
Stddev	1.7	11.4	671.	25.8
%RSD	.06685	.23126	1.2343	.69180
#1	2542.7	4919.9	54872.	3711.1
#2	2545.1	4936.1	53922.	3747.5

Sample Name: RTL0580-01@5 Acquired: 12/9/2010 11:26:54 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.10150**	**.00222**	**.02823**	**.02582**	**.00001**	**61.748**	**-.00003**	**.00025**
Stddev	.00079	.03382	.00056	.00019	.00000	.00010	.302	.00009	.00019
%RSD	869.58	33.318	25.120	.67220	.00145	707.24	.48969	289.70	75.605
#1	.00047	.07759	.00183	.02810	.02582	.00008	61.962	.00003	.00039
#2	-.00065	.12541	.00262	.02836	.02582	-.00005	61.534	-.00009	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.00164**	**.00051**	**.13425**	**9.7243**	z *****	**2.2511**	**.01954**	**.01666**	**166.90**
Stddev	.00047	.00010	.01215	.0040	-----	.0242	.00023	.00003	.16
%RSD	28.768	18.631	9.0495	.04091	-----	1.0768	1.1715	.16074	.09794
#1	.00197	.00058	.14284	9.7271	z 5087.1	2.2339	.01938	.01668	166.78
#2	.00131	.00045	.12566	9.7215	z 5104.2	2.2682	.01971	.01664	167.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.00211**	**-.00080**	**-.00132**	**-.00633**	**.00046**	z *****	**.00141**	**-.00130**	**.00158**
Stddev	.00074	.00015	.00141	.00597	.00016	-----	.00002	.00033	.00103
%RSD	35.107	18.101	106.20	94.291	33.924	-----	1.0845	25.789	65.229
#1	.00263	-.00091	-.00033	-.00211	.00035	z 20255.	.00142	-.00153	.00231
#2	.00159	-.00070	-.00232	-.01056	.00057	z 20211.	.00140	-.00106	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.00039**
Stddev	.00007
%RSD	17.011
#1	.00044
#2	.00035
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2391.5**	**4654.2**	**51419.**	**3635.2**
Stddev	2.7	7.3	242.	3.2
%RSD	.11264	.15786	.47012	.08809
#1	2389.6	4649.0	51590.	3637.4
#2	2393.4	4659.4	51248.	3632.9

Sample Name: SEQ-SRD@25 Acquired: 12/9/2010 11:29:02 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.10835	.00030	.00516	.00574	-.00001	13.475	.00001	.00006
Stddev	.00069	.01646	.00057	.00063	.00009	.00012	.101	.00007	.00004
%RSD	694.32	15.189	188.47	12.308	1.5019	2245.0	.74595	633.78	71.351
#1	.00059	.11999	-.00010	.00471	.00568	.00008	13.546	-.00004	.00003
#2	-.00039	.09671	.00071	.00561	.00580	-.00009	13.404	.00006	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.00059	.00011	.02720	2.0478	z *****	.50437	.00427	.00341	35.624
Stddev	.00036	.00035	.00629	.0487	-----	.01045	.00001	.00017	.154
%RSD	60.315	326.09	23.110	2.3761	-----	2.0720	.17973	5.0465	.43322
#1	.00084	.00035	.02275	2.0823	z 5009.8	.49698	.00426	.00328	35.733
#2	.00034	-.00014	.03164	2.0134	z 5019.0	.51176	.00427	.00353	35.515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00004	-.00010	-.00443	-.00586	-.00006	z *****	.00065	-.00171	.00030
Stddev	.00017	.00046	.00044	.00213	.00018	-----	.00038	.00076	.00029
%RSD	459.95	446.94	9.8298	36.300	304.13	-----	59.336	44.207	97.806
#1	.00016	.00022	-.00474	-.00436	.00007	z 4930.4	.00092	-.00117	.00050
#2	-.00008	-.00043	-.00413	-.00736	-.00019	z 4905.8	.00038	-.00224	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.00016
Stddev	.00033
%RSD	206.36
#1	.00039
#2	-.00007
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2540.3	4770.6	53147.	3645.9
Stddev	.1	2.6	801.	3.2
%RSD	.00344	.05360	1.5065	.08914
#1	2540.4	4772.4	53713.	3643.6
#2	2540.3	4768.7	52581.	3648.2

Sample Name: 10L0528-PS1@5 Acquired: 12/9/2010 11:31:10 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04530	8.2828	.19206	.21056	.19445	.18524	69.506	.18681	.18683
Stddev	.00043	.1034	.00158	.00113	.00035	.00307	1.245	.00043	.00064
%RSD	.94300	1.2478	.82259	.53492	.17833	1.6552	1.7914	.23121	.34358
rf1	.04560	8.2097	.19094	.20977	.19470	.18308	68.625	.18651	.18637
rf2	.04499	8.3559	.19318	.21136	.19421	.18741	70.386	.18712	.18728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.18370	.18102	9.0229	18.891	z *****	11.367	.20719	.20613	174.90
Stddev	.00091	.00155	.1261	.348	-----	.096	.00190	.00072	1.68
%RSD	.49398	.85752	1.3970	1.8408	-----	.84820	.91731	.35083	.96206
rf1	.18434	.18212	8.9338	18.645	z 5054.0	11.435	.20853	.20561	173.71
rf2	.18305	.17992	9.1121	19.137	z 5046.4	11.299	.20585	.20664	176.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.18988	.18561	.18992	.18243	.17964	z *****	.18611	.18649	.17693
Stddev	.00171	.00203	.00106	.00245	.00020	-----	.00165	.00086	.00099
%RSD	.89916	1.0921	.55870	1.3457	.10899	-----	.88583	.46109	.56178
rf1	.18867	.18417	.18917	.18069	.17951	z 19890.	.18727	.18710	.17764
rf2	.19108	.18704	.19067	.18417	.17978	z 20004.	.18494	.18588	.17623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.18280
Stddev	.00146
%RSD	.79764
rf1	.18383
rf2	.18177
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2362.4	4658.9	51103.	3615.2
Stddev	8.3	28.7	138.	38.0
%RSD	.34928	.61550	.26919	1.0503
rf1	2368.2	4679.1	51005.	3642.0
rf2	2356.5	4638.6	51200.	3588.3

Sample Name: 10L0528-MS1@5 Acquired: 12/9/2010 11:33:12 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00989	1.9920	.04407	.07045	.06650	.04069	70.375	.04164	.04213
Stddev	.00075	.1048	.00062	.00046	.00088	.00070	1.649	.00050	.00035
%RSD	7.6002	5.2617	1.4101	.65652	1.3188	1.7192	2.3434	1.1986	.82802
#1	.01043	1.9179	.04363	.07078	.06588	.04020	69.209	.04199	.04238
#2	.00936	2.0661	.04451	.07013	.06712	.04119	71.541	.04129	.04189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.04241	.04189	2.1238	12.879	z *****	4.4854	.06210	.06111	187.05
Stddev	.00052	.00045	.0634	.209	----	.0233	.00017	.00106	3.71
%RSD	1.2259	1.0644	2.9854	1.6262	----	.51895	.27097	1.7277	1.9830
#1	.04205	.04221	2.0790	12.731	z 5083.2	4.4690	.06199	.06186	184.43
#2	.04278	.04158	2.1687	13.028	z 5077.5	4.5019	.06222	.06036	189.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.04257	.04216	.04183	.04213	.04165	z *****	.04371	.03797	.04142
Stddev	.00043	.00119	.00316	.00145	.00069	----	.00056	.00320	.00006
%RSD	1.0044	2.8204	7.5531	3.4418	1.6634	----	1.2834	8.4175	.14442
#1	.04287	.04300	.04406	.04316	.04214	z 21913.	.04411	.04023	.04138
#2	.04227	.04132	.03959	.04111	.04116	z 22102.	.04332	.03571	.04146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.04114
Stddev	.00033
%RSD	.80937
#1	.04091
#2	.04138
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2376.5	4645.5	50397.	3576.3
Stddev	17.7	35.6	276.	48.2
%RSD	.74302	.76731	.54727	1.3465
#1	2364.0	4620.3	50592.	3610.3
#2	2389.0	4670.7	50202.	3542.2

Sample Name: 10L0528-MSD1@5 Acquired: 12/9/2010 11:35:19 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00975	1.8279	.04159	.06648	.06206	.03796	66.017	.03897	.03885
Stddev	.00024	.0238	.00040	.00030	.00037	.00052	.961	.00044	.00034
%RSD	2.4670	1.3023	.95701	.44601	.58830	1.3803	1.4561	1.1250	.86275
#1	.00992	1.8447	.04131	.06669	.06180	.03759	65.338	.03866	.03861
#2	.00958	1.8110	.04188	.06627	.06232	.03833	66.697	.03928	.03908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.03877	.03860	1.9739	12.068	z *****	4.1342	.05672	.05675	174.64
Stddev	.00000	.00002	.0508	.255	----	.0147	.00030	.00023	1.97
%RSD	.00478	.05737	2.5711	2.1101	----	.35580	.53116	.40684	1.1295
#1	.03877	.03861	1.9380	11.888	z 5028.2	4.1238	.05651	.05659	173.25
#2	.03877	.03858	2.0098	12.248	z 5051.2	4.1446	.05693	.05692	176.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.04039	.03841	.03607	.03463	.03852	z *****	.03981	.03563	.03768
Stddev	.00018	.00129	.00085	.00377	.00025	----	.00063	.00083	.00052
%RSD	.43790	3.3514	2.3614	10.875	.65490	----	1.5703	2.3165	1.3824
#1	.04052	.03932	.03668	.03729	.03834	z 20588.	.03937	.03504	.03731
#2	.04027	.03750	.03547	.03196	.03869	z 20452.	.04025	.03621	.03804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.03826
Stddev	.00020
%RSD	.53404
#1	.03811
#2	.03840
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2368.9	4610.0	50501.	3554.2
Stddev	3.4	3.0	520.	68.2
%RSD	.14515	.06550	1.0297	1.9195
#1	2366.5	4612.1	50869.	3602.4
#2	2371.3	4607.9	50134.	3505.9

Sample Name: 10L0530-BLK1 Acquired: 12/9/2010 11:37:26 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00066	.06472	.00010	.00318	.00003	-.00033	.08069	-.00003	-.00047
Stddev	.00009	.00984	.00013	.00011	.00004	.00002	.00792	.00007	.00003
%RSD	13.244	15.202	136.22	3.3268	115.69	5.8984	9.8168	268.26	5.6144
r1	.00073	.05776	.00019	.00310	.00001	-.00034	.08629	.00002	-.00045
r2	.00060	.07168	.00000	.00325	.00006	-.00032	.07508	-.00007	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	-.00015	-.00065	.00787	.01582	z *****	.00332	.00014	-.00032	.09236
Stddev	.00043	.00014	.00580	.06261	----	.00422	.00007	.00001	.00003
%RSD	296.31	21.771	73.638	395.91	----	127.20	49.487	1.6697	.03053
r1	.00016	-.00055	.00377	.06009	z 4917.4	.00630	.00019	-.00033	.09238
r2	-.00045	-.00075	.01197	-.02846	z 4918.3	.00033	.00009	-.00032	.09234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00066	-.00070	.00113	-.00810	-.00013	z *****	-.00021	-.00132	-.00051
Stddev	.00046	.00079	.00136	.00273	.00061	----	.00014	.00294	.00050
%RSD	69.039	112.83	120.61	33.671	459.52	----	68.031	223.12	97.495
r1	.00098	-.00126	.00210	-.01002	-.00056	z 594.35	-.00031	-.00340	-.00086
r2	.00034	-.00014	.00017	-.00617	.00030	z 592.50	-.00011	.00076	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.00079
Stddev	.00026
%RSD	33.089
r1	.00097
r2	.00060
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2652.6	4894.9	55151.	3601.6
Stddev	2.2	2.6	431.	7.5
%RSD	.08112	.05263	.78068	.20716
r1	2654.2	4893.1	55455.	3596.4
r2	2651.1	4896.7	54846.	3606.9

Sample Name: 10L0530-BS1 Acquired: 12/9/2010 11:39:36 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04800	9.2674	.20658	.20420	.19496	.20154	9.9360	.20348	.20352
Stddev	.00008	.0585	.00029	.00076	.00204	.00082	.0569	.00002	.00041
%RSD	.16440	.63111	.13884	.37165	1.0447	.40577	.57229	.01005	.20301
#1	.04794	9.2260	.20638	.20474	.19352	.20096	9.8958	.20347	.20381
#2	.04806	9.3087	.20679	.20366	.19640	.20212	9.9762	.20350	.20323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.20185	.20207	9.9723	10.069	z *****	10.500	.20695	.21081	10.093
Stddev	.00229	.00146	.0253	.005	-----	.114	.00233	.00121	.052
%RSD	1.1325	.72227	.25356	.04803	-----	1.0836	1.1271	.57482	.51841
#1	.20023	.20103	9.9544	10.066	z 4894.2	10.419	.20530	.21167	10.056
#2	.20346	.20310	9.9902	10.073	z 4925.0	10.580	.20860	.20995	10.130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.20343	.20770	.21065	.20840	.19980	z *****	.20869	.20187	.18962
Stddev	.00069	.00001	.00192	.00124	.00092	-----	.00244	.00054	.00236
%RSD	.33932	.00578	.91316	.59677	.46001	-----	1.1694	.26873	1.2452
#1	.20392	.20770	.20929	.20928	.19915	z 590.75	.20696	.20148	.18795
#2	.20295	.20769	.21201	.20752	.20045	z 589.91	.21041	.20225	.19129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.19714
Stddev	.00177
%RSD	.89552
#1	.19589
#2	.19839
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2567.3	4865.2	54070.	3698.5
Stddev	9.2	23.3	258.	44.1
%RSD	.35770	.47961	.47640	1.1915
#1	2560.8	4848.7	54252.	3729.6
#2	2573.8	4881.7	53888.	3667.3

Sample Name: RTL0587-01 Acquired: 12/9/2010 11:41:38 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.50650	.02403	.14728	.15830	-.00013	139.05	.00021	.00030
Stddev	.00083	.00772	.00137	.00096	.00077	.00017	2.05	.00006	.00031
%RSD	1008.3	1.5238	5.6799	.65150	.48325	127.61	1.4736	26.653	105.05
#1	.00067	.51196	.02500	.14660	.15885	-.00001	137.60	.00017	.00008
#2	-.00050	.50104	.02307	.14796	.15776	-.00025	140.50	.00025	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.00258	.00242	18.664	2.4587	z *****	39.342	.34414	.00269	41.098
Stddev	.00001	.00124	.142	.0129	-----	.281	.00254	.00030	.381
%RSD	.29936	51.226	.76047	.52377	-----	.71433	.73827	11.126	.92665
#1	.00258	.00329	18.563	2.4495	z 4982.1	39.540	.34594	.00248	40.829
#2	.00259	.00154	18.764	2.4678	z 4969.7	39.143	.34235	.00290	41.368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00340	.00375	-.00090	-.00480	.00083	z *****	.01337	-.00279	.00163
Stddev	.00048	.00143	.00078	.00310	.00027	-----	.00065	.00046	.00021
%RSD	14.148	38.146	86.752	64.581	32.196	-----	4.8368	16.647	12.582
#1	.00374	.00476	-.00035	-.00699	.00064	z 13533.	.01291	-.00312	.00149
#2	.00306	.00274	-.00145	-.00261	.00102	z 13734.	.01382	-.00246	.00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.00904
Stddev	.00025
%RSD	2.8024
#1	.00922
#2	.00886
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2420.7	4670.8	51527.	3674.9
Stddev	2.2	14.8	27.	6.1
%RSD	.09058	.31779	.05145	.16612
#1	2419.1	4660.3	51508.	3679.2
#2	2422.2	4681.3	51545.	3670.6

Sample Name: RTL0587-02 Acquired: 12/9/2010 11:43:46 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.38011	.02419	.14570	.15652	-.00001	140.06	.00044	.00082
Stddev	.00034	.01069	.00201	.00002	.00050	.00012	2.06	.00006	.00011
%RSD	567.37	2.8128	8.2933	.01452	.31918	1155.9	1.4710	12.907	12.858
R1	.00030	.38767	.02561	.14568	.15617	-.00010	138.60	.00048	.00090
R2	-.00018	.37255	.02277	.14571	.15687	.00008	141.52	.00040	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.00257	.00252	19.272	2.4334	z *****	39.418	.72304	.00273	40.567
Stddev	.00041	.00023	.083	.0616	----	.099	.00270	.00031	.454
%RSD	15.999	8.9868	.43000	2.5301	----	.25031	.37303	11.498	1.1202
R1	.00286	.00268	19.213	2.3898	z 4963.2	39.348	.72114	.00251	40.246
R2	.00228	.00236	19.330	2.4769	z 5014.6	39.488	.72495	.00295	40.889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00412	.00629	-.00420	-.00360	.00052	z *****	.00818	-.00088	.00082
Stddev	.00011	.00087	.00013	.00148	.00050	----	.00029	.00001	.00037
%RSD	2.7305	13.870	3.1500	41.211	95.443	----	3.5385	.65456	45.822
R1	.00420	.00567	-.00429	-.00465	.00017	z 13718.	.00838	-.00089	.00108
R2	.00404	.00690	-.00411	-.00255	.00087	z 13324.	.00798	-.00088	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.01121
Stddev	.00026
%RSD	2.3482
R1	.01102
R2	.01140
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2405.3	4647.5	51790.	3628.4
Stddev	.5	2.7	65.	103.1
%RSD	.01947	.05749	.12460	2.8414
R1	2404.9	4649.4	51836.	3701.3
R2	2405.6	4645.6	51744.	3555.5

Sample Name: SEQ-CCV Acquired: 12/9/2010 11:45:54 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	.47197	23.497	.50944	.49584	.47049	.49596	23.539	.51152	.50032	.49785	.49403	24.963	24.599	z *****
Stddev	.00135	.072	.00067	.00034	.00017	.00179	.004	.00141	.00046	.00043	.00110	.060	.081	-----
%RSD	.28672	.30511	.13197	.06828	.03553	.36059	.01509	.27596	.09127	.08684	.22311	.24102	.32886	-----
#1	.47101	23.547	.50992	.49608	.47037	.49469	23.536	.51252	.50064	.49754	.49325	24.920	24.542	z 4962.5
#2	.47293	23.446	.50897	.49560	.47061	.49722	23.541	.51052	.50000	.49816	.49481	25.006	24.657	z 4965.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	25.993	.52062	.51290	24.271	.51040	.50623	.51781	.50625	.50819	z *****	.50542	.51052	.46923	.49655
Stddev	.160	.00253	.00133	.062	.00132	.00019	.00087	.00081	.00275	-----	.00394	.00195	.00138	.00222
%RSD	.61556	.48601	.25960	.25394	.25846	.03661	.16793	.15978	.54113	-----	.77968	.38127	.29344	.44686
#1	25.880	.51883	.51385	24.227	.51133	.50636	.51842	.50567	.51014	z 594.81	.50264	.50914	.47020	.49498
#2	26.106	.52241	.51196	24.315	.50947	.50610	.51719	.50682	.50625	z 599.24	.50821	.51189	.46826	.49812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range														

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2484.6	4805.9	53505.	3669.6
Stddev	3.5	4.9	250.	7.3
%RSD	.14063	.10232	.46633	.19850
#1	2482.1	4802.4	53681.	3674.8
#2	2487.1	4809.4	53329.	3664.5

Sample Name: SEQ-CCB Acquired: 12/9/2010 11:48:00 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00060	.00839	.00084	-.00136	.00003	-.00006	.02128	-.00021	-.00024	-.00026	-.00008	.01310
Stddev	.00018	.01028	.00263	.00026	.00000	.00028	.00852	.00007	.00005	.00059	.00013	.00781
%RSD	30.511	122.50	314.84	19.428	5.8598	445.44	40.054	33.622	22.537	223.35	158.01	59.581
#1	-.00047	.00112	.00270	-.00117	.00004	.00013	.01525	-.00026	-.00028	.00015	-.00017	.01862
#2	-.00073	.01566	-.00103	-.00154	.00003	-.00026	.02731	-.00016	-.00020	-.00068	.00001	.00758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077
Units	ppm	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	-.03847	z *****	.00606	.00012	.00000	.02448	-.00006	.00188	.00052	F -.01085	.00075	z *****
Stddev	.03905	----	.00177	.00001	.0002	.00281	.00096	.00316	.00178	.00058	.00051	----
%RSD	101.51	----	29.202	5.7699	20699.	11.472	1537.9	168.41	339.06	5.3408	67.240	----
#1	-.01086	z 4978.0	.00481	.00011	-.00015	.02250	-.00074	-.00036	.00178	-.01045	.00039	z 585.50
#2	-.06608	z 4990.4	.00731	.00012	.00015	.02647	.00062	.00412	-.00073	-.01126	.00111	z 588.75
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None
High Limit										.01500		
Low Limit										-.01000		

Elem	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm
Avg	.00071	-.00053	-.00042	.00014
Stddev	.00037	.00004	.00048	.00035
%RSD	52.410	7.1897	114.01	238.96
#1	.00044	-.00056	-.00075	.00039
#2	.00097	-.00051	-.00008	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2640.7	4849.6	54157.	3608.7
Stddev	10.9	22.6	506.	2.8
%RSD	.41219	.46681	.93486	.07751
#1	2648.4	4865.6	54515.	3606.7
#2	2633.0	4833.6	53799.	3610.6

Sample Name: SEQ-SRD@5 Acquired: 12/9/2010 11:50:14 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.14507	.00462	.02962	.03418	-.00018	30.485	.00002	.00004
Stddev	.00005	.01055	.00078	.00072	.00023	.00002	.083	.00014	.00013
%RSD	10.452	7.2707	16.904	2.4313	.66461	12.033	.27290	604.91	321.09
#1	.00054	.13761	.00518	.02911	.03402	-.00020	30.427	-.00007	-.00005
#2	.00047	.15253	.00407	.03013	.03434	-.00016	30.544	.00012	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.00066	.00024	4.0892	.49020	z *****	8.2562	.15134	.00027	8.6239
Stddev	.00014	.00030	.0291	.01707	----	.0224	.00050	.00063	.0386
%RSD	21.506	124.49	.71269	3.4826	----	.27145	.32839	234.82	.44812
#1	.00056	.00003	4.0686	.50227	z 4934.9	8.2403	.15099	-.00018	8.5965
#2	.00076	.00045	4.1098	.47813	z 4925.7	8.2720	.15169	.00071	8.6512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00064	.00146	-.00001	-.00482	-.00004	z *****	.00220	-.00065	.00014
Stddev	.00090	.00026	.00264	.00040	.00022	----	.00005	.00131	.00078
%RSD	141.84	18.016	30162.	8.2867	604.60	----	2.2933	200.23	581.20
#1	.00127	.00128	-.00188	-.00454	.00012	z 3289.9	.00216	.00027	.00069
#2	.00000	.00165	.00186	-.00511	-.00019	z 3284.5	.00224	-.00158	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.00209
Stddev	.00035
%RSD	16.508
#1	.00185
#2	.00234
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2557.6	4745.2	52743.	3590.7
Stddev	6.8	22.8	542.	10.4
%RSD	.26474	.48141	1.0284	.28842
#1	2562.4	4761.4	53126.	3598.0
#2	2552.9	4729.1	52359.	3583.4

Sample Name: 10L0530-PS1 Acquired: 12/9/2010 11:52:22 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04879	9.6888	.22932	.34379	.35112	.20315	149.24	.20545	.20142
Stddev	.00080	.0001	.00083	.00128	.00197	.00086	.73	.00061	.00064
%RSD	1.6417	.00107	.36288	.37221	.56142	.42425	.48590	.29689	.31840
#1	.04822	9.6887	.22873	.34288	.35252	.20376	149.76	.20502	.20097
#2	.04936	9.6888	.22991	.34469	.34973	.20254	148.73	.20588	.20187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.20022	.20296	28.561	12.725	z *****	47.568	.89665	.21067	51.273
Stddev	.00112	.00102	.075	.056	-----	.113	.00076	.00002	.127
%RSD	.55691	.50371	.26210	.44045	-----	.23768	.08480	.00731	.24808
#1	.20101	.20369	28.614	12.764	z 4904.6	47.488	.89611	.21066	51.183
#2	.19943	.20224	28.508	12.685	z 4912.2	47.648	.89718	.21068	51.363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.20544	.20511	.20880	.20013	.19406	z *****	.21889	.19543	.19379
Stddev	.00022	.00023	.00116	.00537	.00267	-----	.00254	.00290	.00079
%RSD	.10940	.11103	.55626	2.6830	1.3771	-----	1.1597	1.4841	.40594
#1	.20559	.20527	.20797	.20393	.19217	z 13196.	.22069	.19338	.19434
#2	.20528	.20495	.20962	.19634	.19595	z 13223.	.21710	.19748	.19323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.20083
Stddev	.00146
%RSD	.72612
#1	.20186
#2	.19979
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2368.4	4618.8	50942.	3585.4
Stddev	6.5	10.3	29.	21.6
%RSD	.27615	.22379	.05744	.60317
#1	2373.0	4626.1	50921.	3570.1
#2	2363.8	4611.5	50963.	3600.7

Sample Name: 10L0530-MS1 Acquired: 12/9/2010 11:54:25 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05079	9.6632	.23312	.34780	.35668	.20066	155.92	.20665	.20548
Stddev	.00042	.0694	.00017	.00013	.00009	.00024	.48	.00019	.00008
%RSD	.82708	.71838	.07141	.03601	.02660	.11925	.30998	.09354	.03768
#1	.05049	9.7123	.23300	.34771	.35675	.20083	156.26	.20652	.20543
#2	.05109	9.6141	.23323	.34789	.35662	.20049	155.58	.20679	.20554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.20273	.20623	29.330	12.801	z *****	48.992	.91125	.21455	52.345
Stddev	.00121	.00041	.066	.028	-----	.148	.00571	.00015	.128
%RSD	.59484	.20057	.22399	.21984	-----	.30231	.62675	.06961	.24452
#1	.20188	.20652	29.377	12.782	z 4908.3	49.097	.91529	.21465	52.254
#2	.20359	.20594	29.284	12.821	z 4905.4	48.887	.90721	.21444	52.435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.20507	.21125	.21294	.20834	.20425	z *****	.21909	.19589	.19606
Stddev	.00063	.00057	.00282	.00093	.00077	-----	.00003	.00108	.00003
%RSD	.30805	.27154	1.3254	.44510	.37526	-----	.01343	.55061	.01549
#1	.20462	.21084	.21493	.20769	.20371	z 13625.	.21907	.19666	.19604
#2	.20552	.21165	.21094	.20900	.20479	z 13686.	.21912	.19513	.19609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.20434
Stddev	.00013
%RSD	.06312
#1	.20443
#2	.20425
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2391.0	4672.2	51076.	3589.3
Stddev	10.2	32.8	138.	18.2
%RSD	.42719	.70174	.27085	.50715
#1	2383.8	4649.0	50979.	3576.5
#2	2398.2	4695.4	51174.	3602.2

Sample Name: 10L0530-MSD1 Acquired: 12/9/2010 11:56:29 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04949	9.9884	.23689	.34781	.35655	.20115	153.89	.20613	.20623
Stddev	.00069	.0580	.00144	.00094	.00097	.00094	.86	.00001	.00089
%RSD	1.4037	.58072	.60709	.26982	.27068	.46483	.55630	.00353	.43264
R1	.04900	10.029	.23588	.34715	.35723	.20049	154.49	.20613	.20560
R2	.04998	9.9474	.23791	.34847	.35586	.20181	153.28	.20612	.20686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.20496	.20821	29.483	12.918	z *****	49.306	.91648	.21451	51.826
Stddev	.00141	.00211	.093	.080	----	.294	.00610	.00073	.498
%RSD	.68668	1.0131	.31382	.62213	----	.59726	.66552	.33978	.96186
R1	.20595	.20970	29.418	12.861	z 4920.8	49.515	.92079	.21502	51.473
R2	.20396	.20672	29.549	12.974	z 4949.3	49.098	.91217	.21399	52.178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.20755	.21370	.21588	.20860	.20455	z *****	.22868	.19611	.19669
Stddev	.00108	.00134	.00363	.00182	.00016	----	.00254	.00207	.00044
%RSD	.52089	.62487	1.6796	.87285	.07735	----	1.1105	1.0558	.22320
R1	.20831	.21464	.21332	.20732	.20466	z 13573.	.23048	.19465	.19700
R2	.20679	.21276	.21845	.20989	.20444	z 13575.	.22688	.19757	.19638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.20625
Stddev	.00005
%RSD	.02433
R1	.20628
R2	.20621
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2393.5	4683.4	51313.	3602.0
Stddev	2.4	5.6	27.	2.7
%RSD	.10147	.12025	.05239	.07578
R1	2395.2	4687.3	51294.	3603.9
R2	2391.8	4679.4	51332.	3600.0

Sample Name: RTL0587-01@10 Acquired: 12/9/2010 11:58:34 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.10583**	**.00311**	**.01370**	**.01598**	**.00002**	**14.277**	**.00000**	**.00002**
Stddev	.00078	.03959	.00010	.00017	.00018	.00011	.011	.0001	.00033
%RSD	105.78	37.407	3.1748	1.2456	1.0993	504.68	.07723	3294.0	1838.1
#1	.00019	.07783	.00304	.01382	.01610	.00010	14.284	.00005	-.00021
#2	.00129	.13382	.00318	.01358	.01586	-.00005	14.269	-.00005	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00025**	**1.9091**	**.21196**	z *****	**4.0195**	**.03464**	**.00010**	**4.1324**
Stddev	.00018	.00017	.0000	.03260	----	.0299	.00018	.00004	.0066
%RSD	44.001	68.127	.00163	15.380	----	.74407	.52754	39.899	.15913
#1	.00053	.00013	1.9090	.18891	z 4989.4	4.0406	.03477	.00013	4.1277
#2	.00028	.00037	1.9091	.23501	z 4997.2	3.9983	.03451	.00007	4.1370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	**.00076**	**.00049**	**.00256**	**-.00812**	**-.00025**	z *****	**.00140**	**-.00223**	**-.00029**
Stddev	.00061	.00028	.00247	.00119	.00037	----	.00005	.00191	.00043
%RSD	79.496	56.958	96.722	14.676	144.18	----	3.4514	85.842	147.32
#1	.00033	.00069	.00081	-.00728	-.00051	z 1914.2	.00137	-.00088	-.00060
#2	.00119	.00029	.00431	-.00896	.00000	z 1915.1	.00144	-.00358	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	**.00089**
Stddev	.00022
%RSD	24.617
#1	.00074
#2	.00105
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2642.3**	**4909.9**	**54559.**	**3702.1**
Stddev	4.8	11.0	443.	12.5
%RSD	.18131	.22386	.81127	.33883
#1	2645.7	4917.7	54246.	3711.0
#2	2638.9	4902.1	54872.	3693.3

Sample Name: RTL0587-02@10 Acquired: 12/9/2010 12:00:42 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.10297	.00239	.01340	.01562	-.00007	14.240	-.00011	-.00010
Stddev	.00030	.01761	.00088	.00054	.00009	.00005	.219	.00013	.00000
%RSD	88.553	17.098	36.866	4.0267	.55937	79.702	1.5345	112.84	2.3344
f1	.00013	.11542	.00301	.01301	.01569	-.00011	14.395	-.00002	-.00009
f2	.00055	.09052	.00177	.01378	.01556	-.00003	14.086	-.00020	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.00004	.00000	1.9509	.22205	z *****	4.0159	.07295	-.00014	4.0353
Stddev	.00018	.0011	.0158	.01933	----	.0008	.00011	.00000	.0571
%RSD	493.34	22052.	.81088	8.7052	----	.01960	.14515	3.3675	1.4162
f1	.00016	-.00078	1.9621	.23572	z 5005.2	4.0153	.07302	-.00014	4.0757
f2	-.00009	.00077	1.9397	.20838	z 5017.9	4.0164	.07287	-.00015	3.9949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00092	.00084	-.00284	-.01132	.00005	z *****	.00150	-.00091	-.00006
Stddev	.00091	.00047	.00037	.00742	.00034	----	.00067	.00096	.00009
%RSD	97.916	55.467	12.939	65.560	661.57	----	44.873	105.05	144.03
f1	.00028	.00117	-.00258	-.00607	-.00019	z 1905.4	.00103	-.00023	.00000
f2	.00157	.00051	-.00310	-.01657	.00029	z 1896.0	.00198	-.00159	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.00119
Stddev	.00021
%RSD	17.537
f1	.00134
f2	.00104
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2624.9	4876.3	54659.	3671.0
Stddev	9.7	26.5	90.	20.0
%RSD	.37018	.54426	.16540	.54452
f1	2631.8	4895.0	54595.	3656.8
f2	2618.1	4857.5	54723.	3685.1

Sample Name: SEQ-SRD@5 Acquired: 12/9/2010 12:02:49 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.06622	-.00110	.00196	.00319	-.00010	2.8116	-.00005	-.00045
Stddev	.00136	.01995	.00163	.00027	.00002	.00000	.0024	.00002	.00016
%RSD	974.91	30.131	148.48	13.659	.64986	4.5879	.08348	41.588	36.001
#1	-.00110	.08033	.00005	.00215	.00317	-.00009	2.8100	-.00003	-.00056
#2	.00082	.05211	-.00225	.00177	.00320	-.00010	2.8133	-.00006	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	-.00003	-.00004	.39925	.01558	z *****	.79360	.01479	-.00005	.80928
Stddev	.00062	.00068	.00265	.07520	----	.00400	.00013	.00016	.00173
%RSD	2304.1	1510.3	.66330	482.64	----	.50400	.88529	338.71	.21324
#1	-.00047	.00043	.40113	-.03759	z 4982.1	.79077	.01470	.00007	.80806
#2	.00041	-.00052	.39738	.06876	z 4934.0	.79643	.01489	-.00016	.81050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	-.00049	.00054	-.00265	-.00438	-.00040	z *****	.00014	-.00029	-.00021
Stddev	.00029	.00185	.00079	.00313	.00037	----	.00063	.00345	.00079
%RSD	59.581	344.78	29.737	71.323	92.033	----	437.70	1171.3	381.07
#1	-.00028	-.00077	-.00209	-.00217	-.00014	z 843.95	-.00030	-.00274	.00035
#2	-.00069	.00185	-.00320	-.00659	-.00067	z 843.80	.00059	.00215	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.00023
Stddev	.00012
%RSD	53.088
#1	.00031
#2	.00014
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2629.0	4849.0	54411.	3707.9
Stddev	1.2	2.2	517.	12.0
%RSD	.04474	.04532	.94961	.32386
#1	2629.8	4847.4	54776.	3699.4
#2	2628.2	4850.5	54046.	3716.4

Sample Name: 10L0530-PS1@10 Acquired: 12/9/2010 12:05:00 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04699	8.9885	.19970	.20594	.20088	.19972	23.999	.19768	.19313
Stddev	.00024	.0307	.00196	.00134	.00052	.00010	.014	.00027	.00049
%RSD	.52067	.34107	.98269	.65292	.25981	.05116	.06022	.13587	.25486
R1	.04682	9.0102	.19831	.20499	.20125	.19965	23.989	.19787	.19279
R2	.04716	8.9668	.20109	.20689	.20051	.19979	24.009	.19749	.19348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.19474	.19405	11.520	9.9358	z *****	13.940	.27214	.19948	13.710
Stddev	.00252	.00129	.027	.0141	----	.108	.00334	.00011	.019
%RSD	1.2947	.66633	.23650	.14184	----	.77765	1.2263	.05711	.13945
R1	.19652	.19496	11.539	9.9458	z 4955.3	14.017	.27450	.19956	13.696
R2	.19296	.19313	11.500	9.9258	z 4948.4	13.864	.26978	.19940	13.723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.19544	.19661	.19791	.19055	.18454	z *****	.19709	.19420	.18563
Stddev	.00046	.00051	.00110	.00314	.00084	----	.00258	.00166	.00199
%RSD	.23571	.26163	.55818	1.6461	.45714	----	1.3094	.85603	1.0744
R1	.19511	.19697	.19712	.18833	.18394	z 1859.1	.19891	.19538	.18704
R2	.19576	.19625	.19869	.19276	.18514	z 1850.5	.19526	.19302	.18422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.19271
Stddev	.00124
%RSD	.64266
R1	.19358
R2	.19183
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2541.8	4812.3	53158.	3577.7
Stddev	4.4	16.1	74.	9.8
%RSD	.17160	.33360	.13896	.27336
R1	2544.8	4823.7	53105.	3584.7
R2	2538.7	4801.0	53210.	3570.8

Sample Name: 10L0530-MS1@10 Acquired: 12/9/2010 12:07:03 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00425	1.0191	.02266	.03405	.03595	.01968	15.922	.02076	.01966
Stddev	.00137	.0525	.00019	.00001	.00029	.00008	.143	.00020	.00022
%RSD	32.298	5.1541	.82695	.01887	.81158	.42071	.89508	.97028	1.1406
R1	.00522	.98193	.02253	.03405	.03575	.01962	15.821	.02062	.01982
R2	.00328	1.0562	.02279	.03406	.03616	.01974	16.023	.02090	.01950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.02036	.02085	2.9919	1.3038	z *****	5.0800	.09473	.02128	5.1946
Stddev	.00036	.00010	.0213	.0008	----	.0234	.00044	.00027	.0102
%RSD	1.7700	.46317	.71336	.06362	----	.46012	.46665	1.2714	.19701
R1	.02010	.02078	2.9768	1.3032	z 4942.4	5.0635	.09442	.02109	5.1874
R2	.02061	.02091	3.0070	1.3044	z 4985.4	5.0965	.09504	.02147	5.2019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.01968	.02020	.02463	.01381	.02049	z *****	.02201	.01802	.01917
Stddev	.00013	.00015	.00135	.00272	.00024	----	.00007	.00047	.00031
%RSD	.66165	.74368	5.4716	19.687	1.1499	----	.33569	2.6197	1.6262
R1	.01978	.02009	.02368	.01189	.02032	z 1896.3	.02206	.01835	.01939
R2	.01959	.02030	.02558	.01574	.02065	z 1884.7	.02196	.01768	.01895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.02137
Stddev	.00079
%RSD	3.7116
R1	.02081
R2	.02193
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2604.3	4802.8	53237.	3567.1
Stddev	.5	3.8	402.	70.1
%RSD	.01932	.07971	.75468	1.9652
R1	2604.0	4805.5	53521.	3616.7
R2	2604.7	4800.1	52953.	3517.5

Sample Name: 10L0530-MSD1@10 Acquired: 12/9/2010 12:09:13 Type: Unk
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00519	1.0829	.02321	.03354	.03571	.01993	15.446	.02081	.01998
Stddev	.00143	.0273	.00039	.00005	.00013	.00000	.098	.00019	.00002
%RSD	27.556	2.5221	1.6780	.14027	.35622	.01435	.63656	.89165	.10195
R1	.00620	1.0636	.02349	.03357	.03562	.01993	15.377	.02068	.01997
R2	.00418	1.1023	.02293	.03351	.03580	.01993	15.516	.02094	.01999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	.02080	.02116	3.0049	1.2563	z *****	5.0616	.09469	.02128	5.1238
Stddev	.00022	.00058	.0094	.0170	-----	.0329	.00071	.00032	.0113
%RSD	1.0681	2.7263	.31191	1.3565	-----	.65021	.75284	1.4815	.21975
R1	.02065	.02076	2.9983	1.2442	z 4956.4	5.0384	.09419	.02150	5.1158
R2	.02096	.02157	3.0115	1.2684	z 4961.7	5.0849	.09519	.02105	5.1317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Line	231.604 {446}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02071	.02138	.02044	.01711	.01982	z *****	.02305	.01803	.01926
Stddev	.00133	.00032	.00078	.00088	.00003	-----	.00106	.00153	.00031
%RSD	6.4188	1.5089	3.7971	5.1187	.14531	-----	4.5947	8.4842	1.6090
R1	.02165	.02161	.02098	.01773	.01984	z 1898.5	.02230	.01911	.01904
R2	.01977	.02116	.01989	.01649	.01980	z 1890.8	.02380	.01695	.01948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Zn2062
Line	206.200 {163}
IS Ref	(Y_3600)
Units	ppm
Avg	.02098
Stddev	.00012
%RSD	.59157
R1	.02107
R2	.02090
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2593.2	4801.8	53497.	3605.4
Stddev	13.0	20.0	409.	33.2
%RSD	.50231	.41747	.76416	.92182
R1	2584.0	4787.6	53786.	3628.9
R2	2602.4	4815.9	53208.	3581.9

Sample Name: SEQ-CCV Acquired: 12/9/2010 12:11:26 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	.48521	24.471	.51350	.49660	.49177	.49634	24.426	.51256	.50035	.50061	.49696	25.000	25.077	z *****
Stddev	.00101	.029	.00176	.00006	.00072	.00146	.109	.00003	.00089	.00220	.00013	.085	.116	----
%RSD	.20727	.11911	.34289	.01122	.14715	.29432	.44752	.00580	.17760	.43985	.02680	.34182	.46141	----
#1	.48592	24.450	.51226	.49664	.49126	.49530	24.349	.51254	.49972	.50217	.49686	24.940	24.995	z 4935.7
#2	.48450	24.491	.51475	.49656	.49228	.49737	24.503	.51258	.50098	.49905	.49705	25.061	25.159	z 4907.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	25.573	.50840	.51379	24.933	.49903	.50688	.51580	.51479	.50248	z *****	.50236	.50442	.47747	.49617
Stddev	.061	.00052	.00014	.114	.00140	.00162	.00072	.00088	.00041	----	.00062	.00229	.00002	.00045
%RSD	.23717	.10135	.02712	.45591	.27994	.31871	.14031	.17029	.08172	----	.12253	.45324	.00418	.09170
#1	25.616	.50876	.51369	24.853	.49805	.50574	.51529	.51541	.50219	z 590.75	.50280	.50604	.47745	.49649
#2	25.530	.50804	.51389	25.013	.50002	.50803	.51631	.51417	.50277	z 586.19	.50193	.50281	.47748	.49585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range														

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2505.4	4820.7	52677.	3559.3
Stddev	4.6	14.1	349.	6.1
%RSD	.18270	.29231	.66346	.17227
#1	2502.1	4810.7	52430.	3555.0
#2	2508.6	4830.6	52924.	3563.7

Sample Name: SEQ-CCB Acquired: 12/9/2010 12:13:30 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	.09826	.00064	-.00108	.00005	.00034	.01806	-.00025	.00005	.00024	-.00014	.00617	-.00603
Stddev	.00098	.01427	.00085	.00041	.00002	.00002	.00223	.00006	.00006	.00006	.00036	.00359	.00604
%RSD	825.20	14.525	133.79	37.926	34.617	5.3009	12.369	23.001	119.39	24.670	260.88	58.082	100.13
R1	.00058	.08817	.00003	-.00137	.00006	.00035	.01648	-.00029	.00009	.00028	.00012	.00871	-.00176
R2	-.00081	.10836	.00124	-.00079	.00003	.00033	.01964	-.00021	.00001	.00020	-.00040	.00364	-.01029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908
Units	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm
Avg	z *****	.00828	.00010	.00003	.00061	.00020	.00063	.00304	-.00878	.00007	z *****	.00033	-.00057
Stddev	-----	.00230	.00003	.00006	.00130	.00016	.00099	.00390	.00190	.00057	-----	.00027	.00088
%RSD	-----	27.819	27.651	170.52	213.56	78.240	158.65	128.13	21.680	818.02	-----	82.163	155.95
R1	z 5002.3	.00991	.00008	.00008	-.00031	.00032	-.00008	.00580	-.01013	-.00033	z 594.10	.00014	-.00119
R2	z 4983.7	.00665	.00012	-.00001	.00152	.00009	.00133	.00029	-.00743	.00047	z 590.50	.00053	.00006
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.00001	-.00030
Stddev	.00043	.00007
%RSD	2946.1	22.907
R1	.00032	-.00025
R2	-.00029	-.00034
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2663.7	4900.8	54120.	3557.3
Stddev	14.1	17.7	86.	32.1
%RSD	.52948	.36019	.15895	.90168
R1	2673.7	4913.3	54059.	3534.6
R2	2653.7	4888.3	54180.	3580.0

Sample Name: SEQ-LCV Acquired: 12/9/2010 12:15:42 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00345	.25677	.01055	.01839	.00209	.00198	.48160	.00080	.00371	.00384	.01015	.04926
Stddev	.00127	.05791	.00038	.00020	.00001	.00008	.00056	.00004	.00013	.00012	.00075	.00172
%RSD	36.685	22.552	3.5834	1.1037	.49752	4.2448	.11539	4.5229	3.3934	3.0905	7.3709	3.5018
R1	.00256	.21582	.01082	.01853	.00210	.00192	.48120	.00077	.00362	.00376	.00962	.05048
R2	.00435	.29772	.01028	.01824	.00208	.00204	.48199	.00083	.00380	.00393	.01068	.04804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077
Units	ppm	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	.45434	z *****	.20335	.00313	.01004	.99021	.01009	.00430	.01654	F .00708	.01005	z *****
Stddev	.00093	-----	.00067	.00007	.00005	.00540	.00061	.00010	.00196	.00419	.00039	-----
%RSD	.20402	-----	.33049	2.0948	.48605	.54544	6.0348	2.3946	11.833	59.153	3.9240	-----
R1	.45499	z 4907.6	.20382	.00308	.01001	.98639	.01052	.00423	.01792	.01005	.01033	z 584.10
R2	.45368	z 4922.8	.20287	.00318	.01007	.99403	.00966	.00437	.01515	.00412	.00977	z 580.10
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None
Value										.01500		
Range										-50.000%		

Elem	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm
Avg	.00484	.01712	.00442	.00956
Stddev	.00062	.00097	.00051	.00039
%RSD	12.770	5.6558	11.647	4.1233
R1	.00440	.01644	.00406	.00928
R2	.00527	.01781	.00478	.00984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2599.1	4810.2	53934.	3648.6
Stddev	3.1	2.2	89.	3.4
%RSD	.12000	.04660	.16442	.09379
R1	2596.9	4811.8	53997.	3646.1
R2	2601.3	4808.7	53871.	3651.0

Sample Name: SEQ-IFA Acquired: 12/9/2010 12:17:53 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00129	452.10	-.00035	.00095	.00054	-.00012	446.47	.00063	-.00038	.00376	.00261	177.47	-.06019
Stddev	.00108	8.02	.00371	.00066	.00002	.00006	7.35	.00006	.00014	.00033	.00027	2.09	.05123
%RSD	83.873	1.7749	1048.6	69.742	4.5724	52.139	1.6456	9.1000	36.507	8.7198	10.248	1.1771	85.121
f1	-.00206	446.43	-.00298	.00142	.00052	-.00008	441.28	.00068	-.00048	.00353	.00242	175.99	-.02396
f2	-.00053	457.77	.00227	.00048	.00055	-.00017	451.67	.00059	-.00029	.00399	.00280	178.94	-.09641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908
Units	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm
Avg	z *****	499.91	.00137	-.00075	.05483	.00707	.00231	-.00319	-.00281	.00086	z *****	.00461	-.00654
Stddev	-----	1.68	.00003	.00046	.02005	.00002	.00282	.00125	.00321	.00031	-----	.00000	.00085
%RSD	-----	.33672	1.8412	60.742	36.572	.26426	122.17	39.157	114.43	35.925	-----	.05043	12.966
f1	z 4637.8	498.72	.00139	-.00043	.04065	.00705	.00031	-.00407	-.00508	.00108	z 716.91	.00461	-.00594
f2	z 4636.0	501.10	.00136	-.00107	.06901	.00708	.00431	-.00230	-.00054	.00064	z 707.34	.00461	-.00714
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.00238	.00146
Stddev	.00016	.00000
%RSD	6.7455	.25980
f1	.00227	.00147
f2	.00249	.00146
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2099.0	4378.5	47675.	3556.0
Stddev	.9	.6	164.	26.2
%RSD	.04187	.01372	.34314	.73695
f1	2099.6	4378.0	47790.	3574.5
f2	2098.3	4378.9	47559.	3537.5

Sample Name: SEQ-IFB Acquired: 12/9/2010 12:20:06 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20818	438.02	.10832	.02052	.48042	.48868	446.38	1.0178	.49635	.49602	.50883	90.325	-.03131
Stddev	.00034	.15	.00054	.00023	.00069	.00172	.07	.0043	.00332	.00094	.00075	.135	.03609
%RSD	.16514	.03412	.50252	1.1280	.14408	.35179	.01460	.41838	.66932	.18928	.14771	.14965	115.26
R1	.20794	437.92	.10871	.02036	.47993	.48746	446.33	1.0147	.49400	.49668	.50937	90.420	-.00579
R2	.20842	438.13	.10794	.02069	.48091	.48989	446.42	1.0208	.49869	.49536	.50830	90.229	-.05683
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range													

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908
Units	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm
Avg	z *****	477.58	.49660	-.00086	.13423	.97908	.05380	.62528	.04163	.00132	z *****	.00592	.09290
Stddev	-----	.92	.00299	.00057	.00749	.00817	.00204	.00017	.00192	.00023	-----	.00016	.00186
%RSD	-----	.19308	.60289	66.199	5.5823	.83439	3.7941	.02657	4.6060	17.662	-----	2.6757	2.0031
R1	z 4651.8	478.24	.49872	-.00046	.13953	.97331	.05524	.62516	.04027	.00148	z 815.88	.00603	.09422
R2	z 4664.1	476.93	.49449	-.00126	.12893	.98486	.05236	.62540	.04299	.00115	z 812.46	.00581	.09158
Check ?	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value Range													

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.47651	.94093
Stddev	.00080	.00095
%RSD	.16711	.10121
R1	.47595	.94161
R2	.47707	.94026
Check ?	Chk Pass	Chk Pass
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2111.1	4423.0	47600.	3562.8
Stddev	8.7	12.3	65.	13.3
%RSD	.41357	.27850	.13570	.37410
R1	2117.2	4431.7	47646.	3572.2
R2	2104.9	4414.3	47555.	3553.3

Sample Name: SEQ-CCV Acquired: 12/9/2010 12:22:22 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	.48410	24.244	.50916	.49932	.48541	.49586	24.200	.51241	.49877	.50195	.50031	25.014	24.949	z *****
Stddev	.00502	.189	.00092	.00082	.00031	.00321	.002	.00072	.00128	.00812	.00663	.174	.140	-----
%RSD	1.0361	.78132	.18081	.16388	.06485	.64788	.00722	.13958	.25602	1.6186	1.3251	.69474	.56211	-----
R1	.48055	24.378	.50981	.49990	.48563	.49813	24.202	.51190	.49787	.49620	.49562	25.137	25.048	z 4914.7
R2	.48764	24.110	.50851	.49875	.48519	.49359	24.199	.51291	.49968	.50769	.50500	24.891	24.850	z 4916.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm	ppm
Avg	25.689	.51225	.51365	24.817	.50351	.50352	.52228	.51427	.50478	z *****	.50373	.50527	.47770	.49764
Stddev	.205	.00501	.00004	.071	.00196	.00387	.00022	.00529	.00222	-----	.00636	.00274	.00720	.00680
%RSD	.79961	.97719	.00821	.28689	.38864	.76857	.04223	1.0289	.43934	-----	1.2628	.54327	1.5069	1.3659
R1	25.543	.50871	.51362	24.867	.50213	.50079	.52213	.51053	.50321	z 580.04	.49923	.50333	.47261	.49284
R2	25.834	.51579	.51368	24.767	.50489	.50626	.52244	.51801	.50635	z 595.11	.50823	.50721	.48279	.50245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range														

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2499.9	4807.1	52884.	3592.1
Stddev	12.5	20.9	556.	17.6
%RSD	.50191	.43550	1.0508	.48941
R1	2508.8	4821.9	53277.	3579.6
R2	2491.1	4792.3	52491.	3604.5

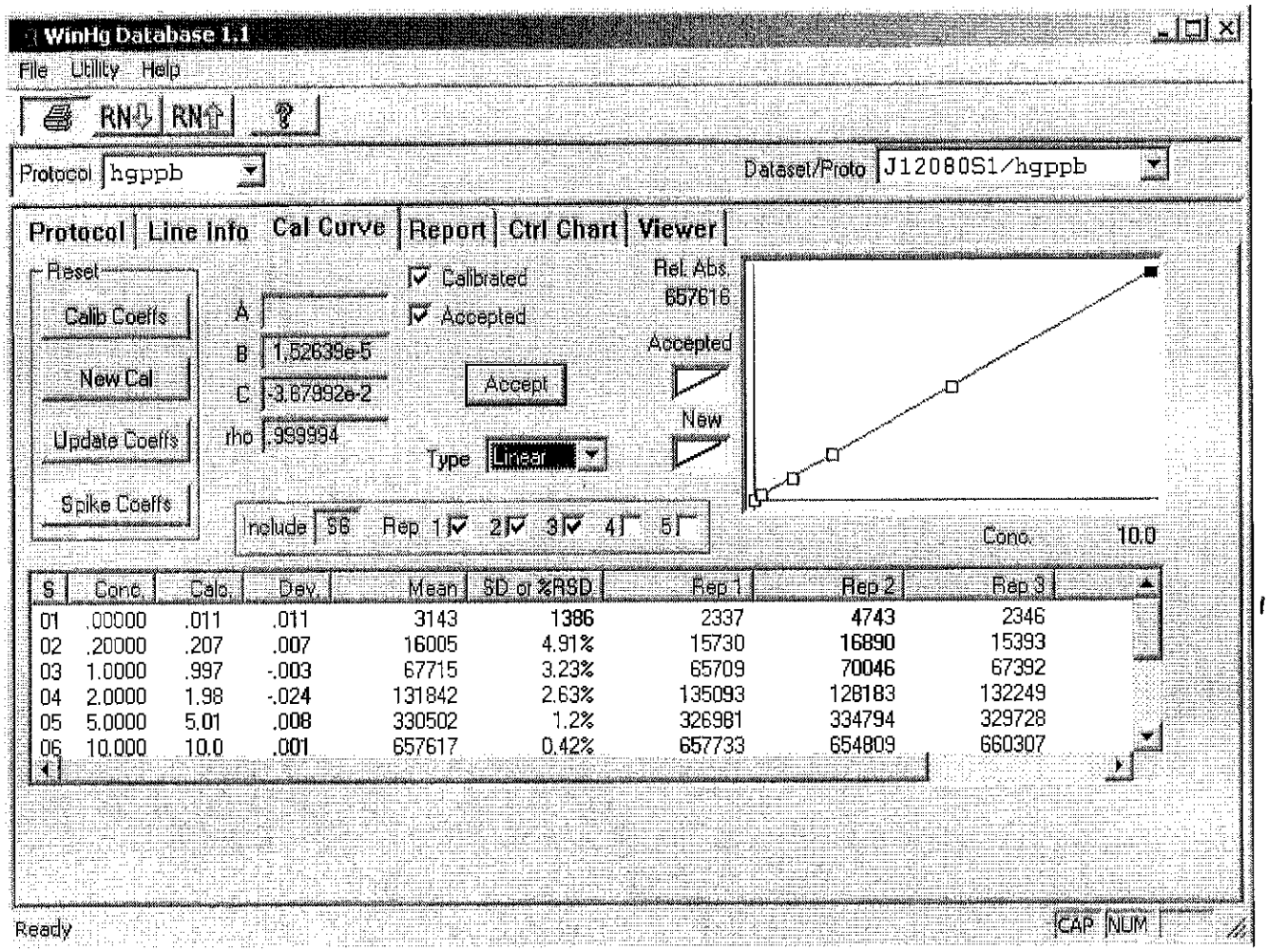
Sample Name: SEQ-CCB Acquired: 12/9/2010 12:24:27 Type: QC
Method: ICAP1(v56) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	-.01068	.00075	-.00078	.00003	.00012	.02658	.00001	-.00046	-.00007	-.00005	.02387
Stddev	.00025	.07117	.00003	.00053	.00000	.00022	.00247	.00026	.00000	.00027	.00030	.00298
%RSD	78.521	666.37	4.4930	67.781	5.4173	179.61	9.3040	3060.0	.80389	367.20	638.68	12.499
R1	.00049	-.06101	.00077	-.00115	.00002	.00027	.02483	-.00018	-.00047	.00012	.00017	.02598
R2	.00014	.03965	.00073	-.00040	.00003	-.00003	.02833	.00019	-.00046	-.00026	-.00026	.02176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4077
Units	ppm	Cts/S	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	-.04443	z *****	.02191	.00008	.00009	.01293	.00000	-.00058	.00359	F -.01174	.00027	z *****
Stddev	.04220	----	.00394	.00000	.00006	.00610	.00065	.00424	.00420	.00238	.00027	----
%RSD	94.980	----	17.984	.59843	67.187	47.216	37012.	728.01	116.96	20.305	99.175	----
R1	-.01459	z 4940.7	.01913	.00008	.00005	.00861	-.00046	-.00358	.00062	-.01343	.00045	z 581.25
R2	-.07428	z 4947.2	.02470	.00008	.00014	.01725	.00046	.00242	.00657	-.01006	.00008	z 583.10
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None
High Limit										.01500		
Low Limit										-.01000		

Elem	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm
Avg	.00065	-.00318	-.00037	.00013
Stddev	.00053	.00065	.00001	.00010
%RSD	81.490	20.518	1.8343	74.896
R1	.00103	-.00364	-.00037	.00020
R2	.00028	-.00272	-.00036	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2643.9	4845.0	53869.	3546.2
Stddev	6.9	9.3	159.	5.4
%RSD	.25919	.19196	.29601	.15311
R1	2639.1	4838.4	53982.	3542.3
R2	2648.8	4851.6	53756.	3550.0



L3

12/8/10

11-279-E R714477

-F 78
-G 79
-H 80
-I 81
-J 82

Col: J12080C1

Run: J12080S1

Batches: 10L0549

1ST: JRM 12/8/10

2nd: MT 12/8/10

Line	Conc.	Units	SD/RSD	1	2	3	4	5

11-279-K

*** Check Standard: 2 Ck2SEQ-ICV Seq: 1 12:03:40 08 Dec 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	3.06	3.00	ppb	.000

RT14483

*** Check Standard: 1 Ck1SEQ-ICB Seq: 2 12:05:24 08 Dec 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.026	.200	ppb	.000

*** Check Standard: 4 Ck4SEQ-LCV Seq: 3 12:07:10 08 Dec 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.5	.197	.200	ppb	.000

*** Check Standard: 3 Ck3SEQ-CCV Seq: 4 12:08:45 08 Dec 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	2.07	2.00	ppb	.000

*** Check Standard: 1 Ck1SEQ-CCB Seq: 5 12:10:38 08 Dec 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.078	.200	ppb	.000

*** Sample ID: RTL0493-04 Seq: 6 12:12:53 08 Dec 10 HG

Hg	.042	ppb	.000	.042

*** Sample ID: RTL0571-01 Seq: 7 12:14:36 08 Dec 10 HG

Hg	.168	ppb	.000	.168

*** Sample ID: RTL0571-02 Seq: 8 12:16:08 08 Dec 10 HG

Hg	.359	ppb	.000	.359

*** Sample ID: RTL0572-01 Seq: 9 12:17:42 08 Dec 10 HG

Hg	.075	ppb	.000	.075

*** Sample ID: RTL0572-02 Seq: 10 12:19:26 08 Dec 10 HG

Hg	.057	ppb	.000	.057

*** Sample ID: RTL0572-03 Seq: 11 12:21:00 08 Dec 10 HG

Hg	.129	ppb	.000	.129

*** Sample ID: RTL0572-04 Seq: 12 12:22:45 08 Dec 10 HG

Hg	.423	ppb	.000	.423

*** Sample ID: RTL0572-05 Seq: 13 12:24:42 08 Dec 10 HG

Hg	.324	ppb	.000	.324

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: RTL0572-06 Seq: 14 12:26:22 08 Dec 10 HG

Hg .452 ppb .000 .452

*** Sample ID: RTL0572-07 Seq: 15 12:28:06 08 Dec 10 HG

Hg .330 ppb .000 .330

*** Check Standard: 3 Ck3SEQ-CCV Seq: 16 12:29:50 08 Dec 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.	2.01	2.00	ppb	.000

*** Check Standard: 1 Ck1SEQ-CCB Seq: 17 12:32:28 08 Dec 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.053	.200	ppb	.000

*** Sample ID: RTL0572-08 Seq: 18 12:34:25 08 Dec 10 HG

Hg .071 ppb .000 .071

*** Sample ID: RTL0572-09 Seq: 19 12:36:14 08 Dec 10 HG

Hg .218 ppb .000 .218

*** Sample ID: RTL0572-10 Seq: 20 12:37:46 08 Dec 10 HG

Hg .686 ppb .000 .686

*** Sample ID: RTL0572-11 Seq: 21 12:39:43 08 Dec 10 HG

Hg .626 ppb .000 .626

*** Sample ID: RTL0572-12 Seq: 22 12:41:18 08 Dec 10 HG

Hg .116 ppb .000 .116

*** Sample ID: RTL0572-13 Seq: 23 12:42:54 08 Dec 10 HG

Hg .355 ppb .000 .355

*** Sample ID: SEQ-SRD Seq: 24 12:44:42 08 Dec 10 HG

@5

Hg .118 ppb .000 .118

*** Sample ID: 10L0549-MS Seq: 25 12:46:26 08 Dec 10 HG

1

Hg 4.52 ppb .000 4.52

*** Sample ID: 10L0549-MS Seq: 26 12:48:00 08 Dec 10 HG

D1

Hg 4.28 ppb .000 4.28

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 10L0549-SR Seq: 27 12:49:34 08 Dec 10 HG

Hg	3.32	ppb	.000 M1	3.32				

*** Check Standard: 3 Ck3SEQ-CCV Seq: 28 12:51:27 08 Dec 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.4	1.97	2.00	ppb	.000

*** Check Standard: 1 Ck1SEQ-CCB Seq: 29 12:53:01 08 Dec 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.028	.200	ppb	.000

*** Sample ID: 10L0549-BL Seq: 30 12:55:16 08 Dec 10 HG

Hg	-.110	ppb	.000 K1	-.110				

*** Check Standard: 3 Ck3SEQ-CCV Seq: 31 12:56:51 08 Dec 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	2.02	2.00	ppb	.000

*** Check Standard: 1 Ck1SEQ-CCB Seq: 32 12:58:29 08 Dec 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.014	.200	ppb	.000

TestAmerica Buffalo

SDG: RTL0572

CLASS: WET_BATCH

METHOD: Dry Weight

ANALYSES DATA PACKAGE COVER PAGE

Dry Weight

Laboratory: TestAmerica Buffalo

SDG: RTL0572

Client: PARS Environmental, Inc.

Project: NF Armed Forces Reserve Center Solids Testing

Client Sample Id:	Lab Sample Id:
SP-1-5-7	RTL0572-01
SP-2-6-8	RTL0572-02
SP-3-4-6	RTL0572-03
SP-4-2-4	RTL0572-04
SP-5-2-4	RTL0572-05
SP-6-2-4	RTL0572-06
SP-7-4-6	RTL0572-07
SP-8-4-6	RTL0572-08
SP-9-2-4	RTL0572-09
SP-10-2-4	RTL0572-10
SP-11-2-4	RTL0572-11
DUP-1	RTL0572-12
SP-12-6-10	RTL0572-13

METHOD DETECTION AND REPORTING LIMITS

Dry Weight

Laboratory: TestAmerica Buffalo **SDG:** RTL0572

Client: PARS Environmental, Inc. **Project:** NF Armed Forces Reserve Center Solids Te

Matrix: Solid **Instrument:** INST

Analyte	MDL	MRL	Units
Percent Solids	0.010	0.010	%

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

SP-1-5-7

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-01
File ID:
Sampled: 12/06/10 09:05
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:18
Solids: 90.23
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	90	%	1		Dry Weight

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

SP-2-6-8

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-02
File ID:
Sampled: 12/06/10 09:40
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:20
Solids: 80.41
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	80	%	1		Dry Weight

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

SP-3-4-6

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-03
File ID:
Sampled: 12/06/10 10:10
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:22
Solids: 75.17
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	75	%	1		Dry Weight

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

SP-4-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-04
File ID:
Sampled: 12/06/10 10:40
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:24
Solids: 78.21
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	78	%	1		Dry Weight

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

SP-5-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-05
File ID:
Sampled: 12/06/10 11:50
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:26
Solids: 59.79
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	60	%	1		Dry Weight

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

SP-6-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-06
File ID:
Sampled: 12/06/10 12:20
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:28
Solids: 72.48
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	72	%	1		Dry Weight

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

SP-7-4-6

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-07
File ID:
Sampled: 12/06/10 12:40
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:30
Solids: 78.89
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	79	%	1		Dry Weight

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

SP-8-4-6

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-08
File ID:
Sampled: 12/06/10 13:00
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:32
Solids: 81.04
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	81	%	1		Dry Weight

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

SP-9-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-09
File ID:
Sampled: 12/06/10 13:40
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:34
Solids: 77.64
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	78	%	1		Dry Weight

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

SP-10-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-10
File ID:
Sampled: 12/06/10 14:15
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:36
Solids: 79.40
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	79	%	1		Dry Weight

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

SP-11-2-4

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-11
File ID:
Sampled: 12/06/10 14:35
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:38
Solids: 75.57
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	76	%	1		Dry Weight

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

DUP-1

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-12
File ID:
Sampled: 12/06/10 00:00
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:40
Solids: 91.02
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	91	%	1		Dry Weight

Form 1

INORGANIC ANALYSIS DATA SHEET

Dry Weight

SP-12-6-10

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Matrix: Solid
Laboratory ID: RTL0572-13
File ID:
Sampled: 12/06/10 15:20
Prepared: 12/07/10 10:25
Analyzed: 12/07/10 15:42
Solids: 72.68
Preparation: Dry Weight
Initial/Final: 10 g / 10 g
Batch: 10L0500
Sequence:
Calibration:
Instrument: INST

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
STL00234	Percent Solids	73	%	1		Dry Weight

HOLDING TIME SUMMARY

Dry Weight

Laboratory: TestAmerica Buffalo SDG: RTL0572

Client: PARS Environmental, Inc. Project: NF Armed Forces Reserve Center Solids Testing

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SP-1-5-7	12/06/10 09:05	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:18	0.00	999.00	
SP-2-6-8	12/06/10 09:40	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:20	0.00	999.00	
SP-3-4-6	12/06/10 10:10	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:22	0.00	999.00	
SP-4-2-4	12/06/10 10:40	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:24	0.00	999.00	
SP-5-2-4	12/06/10 11:50	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:26	0.00	999.00	
SP-6-2-4	12/06/10 12:20	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:28	0.00	999.00	
SP-7-4-6	12/06/10 12:40	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:30	0.00	999.00	
SP-8-4-6	12/06/10 13:00	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:32	0.00	999.00	
SP-9-2-4	12/06/10 13:40	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:34	0.00	999.00	
SP-10-2-4	12/06/10 14:15	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:36	0.00	999.00	
SP-11-2-4	12/06/10 14:35	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:38	0.00	999.00	
DUP-1	12/06/10 00:00	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:40	0.00	999.00	
SP-12-6-10	12/06/10 15:20	12/06/10 17:15	12/07/10 10:25	1	180	12/07/10 15:42	0.00	999.00	

* Indicates a Holding Time violation.

Form 12

PREPARATION BATCH SUMMARY

Dry Weight

Laboratory: TestAmerica Buffalo
SDG: RTL0572
Client: PARS Environmental, Inc.
Project: NF Armed Forces Reserve Center Solids Testing
Batch: 10L0500 Batch Matrix: Solid
Preparation: Dry Weight

SAMPLE NAME	LAB SAMPLE ID	INITIAL	FINAL	DATE PREPARED	TOT/DIS
SP-1-5-7	RTL0572-01	10.0 g	10.0 g	12/07/10 10:25	Total
SP-2-6-8	RTL0572-02	10.0 g	10.0 g	12/07/10 10:25	Total
SP-3-4-6	RTL0572-03	10.0 g	10.0 g	12/07/10 10:25	Total
SP-4-2-4	RTL0572-04	10.0 g	10.0 g	12/07/10 10:25	Total
SP-5-2-4	RTL0572-05	10.0 g	10.0 g	12/07/10 10:25	Total
SP-6-2-4	RTL0572-06	10.0 g	10.0 g	12/07/10 10:25	Total
SP-7-4-6	RTL0572-07	10.0 g	10.0 g	12/07/10 10:25	Total
SP-8-4-6	RTL0572-08	10.0 g	10.0 g	12/07/10 10:25	Total
SP-9-2-4	RTL0572-09	10.0 g	10.0 g	12/07/10 10:25	Total
SP-10-2-4	RTL0572-10	10.0 g	10.0 g	12/07/10 10:25	Total
SP-11-2-4	RTL0572-11	10.0 g	10.0 g	12/07/10 10:25	Total
DUP-1	RTL0572-12	10.0 g	10.0 g	12/07/10 10:25	Total
SP-12-6-10	RTL0572-13	10.0 g	10.0 g	12/07/10 10:25	Total

Percent Moisture/ Percent Solids

D2216-90

Import Spec. - WC_TS and WC_PMOIST

Analyst: MJM **Test Code:** %Moist/%Solids

Analyte: Dried at 105°C **Units:** %

Batch ID: 10L0500

Date/Time OUT
12/7/2010 14:22

INST

Date/Time IN: 12/7/2010 11:22 Weighed Back 12/7/2010 14:32

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Import Spec. - WC_TS and WC_PMOIST													
Pan #	SampID	Client ID Source ID	SampType	Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	AnalDate Analysis Time	units %	%Solids RawVal	% Moisture RawVal	Recovery or RPD	Comments
1	RTL0493-01	BA-B8-S	Sample	1.3300	5.7000	4.6700	3.3400	12/7/2010 14:32		76.430	23.570		
2	RTL0493-02	BA-B7-S	Sample	1.3300	5.6600	4.7700	3.4400	12/7/2010 14:34		79.446	20.554		
3	RTL0493-03	BA-B18-S	Sample	1.3400	5.2800	4.3500	3.0100	12/7/2010 14:36		76.396	23.604		
4	RTL0493-04	BA-B15-S	Sample	1.3300	5.2900	4.4000	3.0700	12/7/2010 14:38		77.525	22.475		
5	RTL0493-05	BA-B5-S	Sample	1.3400	5.3000	4.6800	3.3400	12/7/2010 14:40		84.343	15.657		
6	RTL0493-06	BA-B22-S	Sample	1.3300	5.4900	4.6700	3.3400	12/7/2010 14:42		80.288	19.712		
7	RTL0540-01	COMP 11-26	Sample	1.3200	5.2800	4.6200	3.3000	12/7/2010 14:44		83.333	16.667		
8	RTL0561-01	COMP STOCKPILE B-1	Sample	1.3300	5.6200	5.6000	4.2700	12/7/2010 14:46		99.534	0.466		
9	RTL0562-01	VS-001	Sample	1.3600	5.0900	4.4200	3.0600	12/7/2010 14:48		82.038	17.962		
10	RTL0562-02	VS-002	Sample	1.3400	5.4700	4.6100	3.2700	12/7/2010 14:50		79.177	20.823		
11	RTL0562-03	VS-003	Sample	1.3500	5.7400	5.1100	3.7600	12/7/2010 14:52		85.649	14.351		
12	RTL0562-04	VS-004	Sample	1.3400	5.5100	4.9200	3.5800	12/7/2010 14:54		85.851	14.149		
13	RTL0562-05	VS-005	Sample	1.3600	6.0100	5.1500	3.7900	12/7/2010 14:56		81.505	18.495		
14	RTL0562-06	VS-006	Sample	1.3300	6.2900	5.8600	4.5300	12/7/2010 14:58		91.331	8.669		
15	RTL0562-07	VS-007	Sample	1.3200	5.2500	4.6100	3.2900	12/7/2010 15:00		83.715	16.285		
16	RTL0562-08	VS-008	Sample	1.3300	5.4300	4.7800	3.4500	12/7/2010 15:02		84.146	15.854		
17	RTL0562-09	VS-009	Sample	1.3200	5.5000	4.8800	3.5600	12/7/2010 15:04		85.167	14.833		
18	RTL0562-10	VS-010	Sample	1.3300	5.4900	4.5900	3.2600	12/7/2010 15:06		78.365	21.635		
19	RTL0562-11	VS-011	Sample	1.3300	5.3400	4.5400	3.2100	12/7/2010 15:08		80.050	19.950		
20	RTL0562-12	VS-012	Sample	1.3300	5.4900	4.5300	3.2000	12/7/2010 15:10		76.923	23.077		
21	RTL0570-01	BURNS-NP-3 (DRUM COI	Sample	1.3300	5.2200	4.7700	3.4400	12/7/2010 15:12		88.432	11.568		
22	RTL0571-01	BURNS-NP-3 (DRUM)	Sample	1.3500	5.2200	4.5100	3.1600	12/7/2010 15:14		81.654	18.346		
23	RTL0571-02	BURNS-NP-3 (6')	Sample	1.3400	5.4300	4.9100	3.5700	12/7/2010 15:16		87.286	12.714		
24	RTL0572-01	SP-1-5-7	Sample	1.3500	5.6500	5.2300	3.8800	12/7/2010 15:18		90.233	9.767		
25	RTL0572-02	SP-2-6-8	Sample	1.3500	5.6900	4.8400	3.4900	12/7/2010 15:20		80.415	19.585		
26	RTL0572-03	SP-3-4-6	Sample	1.3300	5.7600	4.6600	3.3300	12/7/2010 15:22		75.169	24.831		
27	RTL0572-04	SP-4-2-4	Sample	1.3500	5.7100	4.7600	3.4100	12/7/2010 15:24		78.211	21.789		
28	RTL0572-05	SP-5-2-4	Sample	1.3300	5.1600	3.6200	2.2900	12/7/2010 15:26		59.791	40.209		
29	RTL0572-06	SP-6-2-4	Sample	1.3200	5.3900	4.2700	2.9500	12/7/2010 15:28		72.482	27.518		
30	RTL0572-07	SP-7-4-6	Sample	1.3000	5.0900	4.2900	2.9900	12/7/2010 15:30		78.892	21.108		
31	RTL0572-08	SP-8-4-6	Sample	1.3400	5.5600	4.7600	3.4200	12/7/2010 15:32		81.043	18.957		
32	RTL0572-09	SP-9-2-4	Sample	1.3100	5.2900	4.4000	3.0900	12/7/2010 15:34		77.638	22.362		
33	RTL0572-10	SP-10-2-4	Sample	1.3200	5.3000	4.4800	3.1600	12/7/2010 15:36		79.397	20.603		
34	RTL0572-11	SP-11-2-4	Sample	1.3300	5.7500	4.6700	3.3400	12/7/2010 15:38		75.566	24.434		
35	RTL0572-12	DUP-1	Sample	1.3400	5.4600	5.0900	3.7500	12/7/2010 15:40		91.019	8.981		
36	RTL0572-13	SP-12-6-10	Sample	1.3300	5.5400	4.3900	3.0600	12/7/2010 15:42		72.684	27.316		
37	RTL0574-01	SOIL EXCAVATED DURIN	Sample	1.3300	5.3100	4.7400	3.4100	12/7/2010 15:44		85.678	14.322		
38	RTL0578-01	PE04-4.5-5	Sample	1.3100	5.4700	5.3000	3.9900	12/7/2010 15:46		95.913	4.087		