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WOODARD
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February 13, 2008

Ms. Kimberly Tisa, PCB Coordinator
U.S. Environmental Protection Agency Region 1
1 Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

Re: Closure Report
Decontamination Approval under 40 CFR 761.61, 761.62, and 761.79(h)
MIT Lincoln Laboratory
244 Wood Street, Lexington, MA

Dear Ms. Tisa:

On behalf of Massachusetts Institute of Technology (MIT) Lincoln Laboratory, please find attached a report providing a description of the PCB remediation activities performed at the MIT Lincoln Laboratory facility located at 244 Wood Street in Lexington, Massachusetts. This report is being submitted to the meet the requirements pursuant to Recordkeeping and Reporting Condition 19 as it is described in EPA's August 27, 2007 Decontamination Approval, granted under 40 CFR Part 761.61, 761.62, and 761.79(h).

The PCB remediation activities commenced during the week of September 24, 2007 with field activities completed on November 16, 2007. The final roll-off of impacted concrete and caulking (from window cut-outs) was transported off the site on January 24, 2008.

If you have any comments, questions, or require further information, please do not hesitate to e-mail or call me at the number listed above.

Sincerely,

WOODARD & CURRAN INC.

Jeffrey Hamel, LSP, LEP
Senior Vice President

cc: Paula Sullivan, MIT

CLOSURE REPORT

PCB Decontamination Activities

MIT Lincoln Laboratory

FA Building

210792.00

Massachusetts Institute of Technology Lincoln Laboratory

February 2008

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EXECUTIVE SUMMARY

This report provides a description of the PCB remediation activities performed at the Massachusetts Institute of Technology's (MIT) Lincoln Laboratory facility located at 244 Wood Street in Lexington, Massachusetts. These activities were conducted at an industrial building referred to as the FA Building in the eastern portion of the Lincoln Laboratory facility.

Certain joint caulking used as part of standard construction practices for masonry buildings and concrete structures erected between the 1950s and late 1970s was manufactured with PCBs. Due to the porous nature of concrete and other masonry surfaces, PCBs in caulking have been found to penetrate into adjacent building materials during initial application or by other transport mechanisms over time (weathering, leaching, etc.). Building material characterization conducted at the FA Building confirmed the presence of PCBs in caulking and adjacent concrete at regulated concentrations per 40 CFR Part 761.

This report provides a description of the PCB remediation project activities as they were performed in accordance with the Self-Implementing On-Site Cleanup and Disposal Plan (SIP) dated August 13, 2007, the U. S. Environmental Protection Agency's (EPA) Decontamination Approval dated August 27, 2007, and subsequently approved modifications and/or e-mail clarifications communicated between EPA, Woodard & Curran, and MIT/Lincoln Labs and their representatives over the course of the project (collectively, "the Approved Plan").

The PCB remediation activities commenced during the week of September 24, 2007 with field activities completed on November 16, 2007. The final roll-off of impacted concrete and caulking (from window cut-outs) was transported off the site on January 24, 2008. Remediation activities were performed by Triumvirate Environmental, Inc. (TEI) of Somerville, Massachusetts. Sampling activities were performed by both TEI and Woodard & Curran, Inc. (W&C) of Andover, Massachusetts. Laboratory analyses of concrete samples were performed by Analytics Laboratory of Portsmouth, New Hampshire. In addition to the bulk materials sampling (characterization and post-remediation verification of building materials), an air monitoring program was implemented in accordance with the Approved Plan.

In summary, approximately 3,140 linear feet of PCB containing caulking was removed from the building. Adjacent concrete surfaces (within 1-inch of the joint) were grinded, sealed with a concrete sealer/primer, and new caulking was applied within the building joints. Prior to the restoration of the joints, each joint was visually inspected to verify caulking removal and post-removal concrete samples collected from within each joint for PCB analyses (63 samples at a frequency of 1 per 50 linear feet). All caulking, concrete, and decontamination fluid was transported off-site to Chemical Waste Management's chemical waste landfill in Model City, New York.

The verification sample results indicated residual PCB concentrations remain in concrete within the joint. All concentrations (except 2 locations) were detected in excess of the low occupancy clean-up level of 25 ppm.

Because the low occupancy clean-up standard has not been met and consistent with the August 27, 2007 Approval, a separate risk-based cleanup and disposal request under 40 CFR Part 761.61(c) will be prepared. Consistent with Approval Condition 12c, ". . . the risk-based request must include information to support a finding that leaving PCBs at concentrations greater than 25 ppm poses no unreasonable risk to users of the site, and must include a long-term monitoring and maintenance plan for PCB-contaminated areas."

The caulking removal was completed in mid-November of 2007; therefore, the weather did not allow for the areas of the joints to be painted as stated in the Site Restoration components of the SIP. The final stage of the building restoration – a new coat of paint over the resealed joint – is scheduled for completion when the weather allows in Spring of 2008.

Following completion of the painting, it is anticipated that surface wipe samples of the exposed exterior surface of the building joint will be collected to support the risk-based cleanup and disposal request. As such, the preparation of this request will be completed and submitted to the EPA in the Spring of 2008.

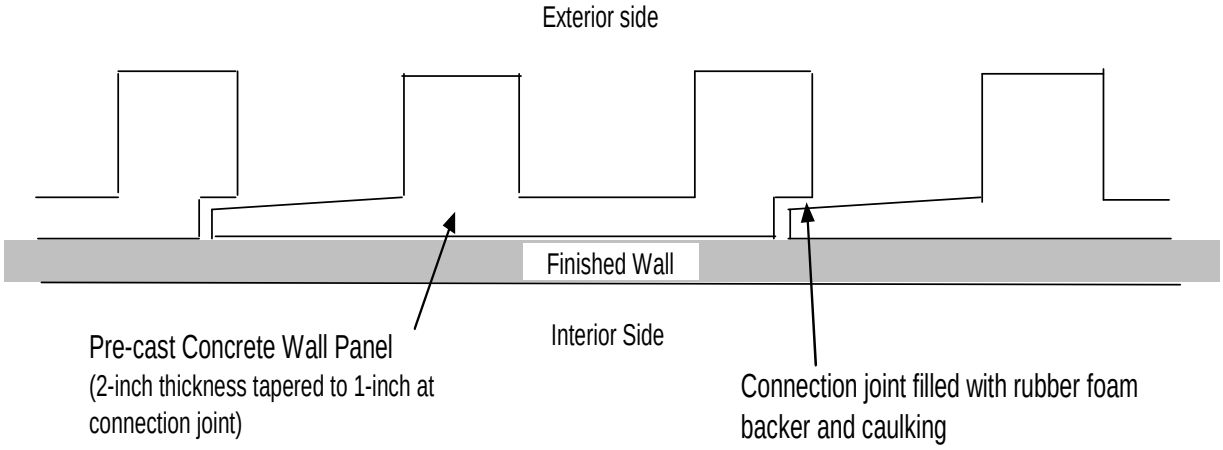
1. INTRODUCTION

1.1 BACKGROUND

The FA Building located at MIT's Lincoln Laboratory facility in Lexington, Massachusetts was constructed in the early 1960's. The building is undergoing renovations for use as office space. The subject building is approximately 24,000 square feet in size and has three main accessible exterior walls, referred to as the north, west, and south sides. The eastern building face has only a small exterior wall; most of the eastern side of the building abuts and is integral to a separate building, of different construction type and use. The exterior walls (concrete and caulking) are painted white. The north and west sides of the building are two stories; however, the building is built into a hill such that the south and east sides of the building are one story. A paved access road leads past the west wall and around to the south side of the building (see Figure 1).

Prior to current renovation activities, there were no windows in the building; however, doorways are present on the north and west sides. The exterior walls of the building are constructed of pre-cast ribbed interlocking concrete panels. The panels are structurally connected to each other at their base and intermediate levels. The vertical "gap" in between each panel is sealed with a rubber foam backer and caulking sealant. The interior of the building (on the opposite of the concrete panels) is finished with either concrete block or gypsum board walls on nearly all interior surfaces. Only in the first floor mechanical room (northwest building corner) and the elevator shaft are the interior walls unfinished. A cross-section of the panel construction is depicted below.

Schematic Cross-Section of Pre-Cast Concrete Wall Panels (not to scale)



In July 2007, characterization of building materials at the Site was conducted by Woodard & Curran to determine the levels of PCBs in caulking and adjacent concrete building materials. Results indicated that concentrations of PCBs were present in those building materials at regulated concentrations per 40 CFR Part 761. In summary, the caulking material contained PCB concentrations ranging from 32,000 to 43,000 parts per million (ppm); surface concrete in contact with the caulking contained PCBs at concentrations from 497 to 618 ppm. PCB concentrations in concrete decreased with increasing distance from the caulked joint, meeting low occupancy clean-up standards for PCBs in concrete as near as one inch from the affected joint.

The results of the building characterization, the planned decontamination and disposal activities, and the remediation verification approaches were described in a Self-Implementing On-Site Cleanup and Disposal Plan (SIP) dated August 13, 2007. Written approval of the SIP was provided by EPA on August 27, 2007, and the necessary notifications and certifications identified in the conditions of that approval letter were addressed in a response to the

approval, dated September 6, 2007. A modification to the containment provisions to be implemented during the caulking removal was submitted to EPA on September 10, 2007 and revised on September 14, 2007. The modification was accepted by EPA on September 17, 2007.

1.2 REPORT OBJECTIVES

This report provides a description of the project activities as they were performed in accordance with the Self-Implementing On-Site Cleanup and Disposal Plan dated August 13, 2007, the EPA's Decontamination Approval dated August 27, 2007, and subsequently approved modifications and/or e-mail clarifications communicated between USEPA, Woodard & Curran, and MIT/Lincoln Labs and their representatives over the course of the project (collectively, "the Approved Plan").

This closure report is being submitted to the meet the requirements pursuant to Recordkeeping and Reporting Condition 19 as it is described in EPA's August 27, 2007 Decontamination Approval, granted under 40 CFR Part 761.61, 761.62, and 761.79(h).

2. REMEDIATION AND VERIFICATION METHODS

The PCB remediation activities commenced during the week of September 24, 2007, upon approval from EPA, and continued until completion (off-site shipment of PCB affected materials) on January 24, 2008. An overview of the remediation and verification sampling methods is presented in the following sections.

2.1 REMEDIATION METHODS

Remediation activities were performed by Triumvirate Environmental Inc. (TEI) of Somerville, Massachusetts. The primary remediation method was caulking removal and concrete grinding followed by off-site disposal. All building materials containing PCBs were managed in accordance with the procedures described in the Approved Plan. Dust control measures were employed and perimeter monitoring was performed during all building remediation activities.

The following is a summary of the caulking removal and containment methods employed during the project:

- Placed polyethylene sheeting on the ground surface along side building walls to contain any debris or building materials removed from the walls during the work.
- Placed polyethylene sheeting over any intakes or building wall openings (e.g., doorways) during active removal work in the subject areas;
- Used a mechanical lift to access the caulking/joint requiring removal. Installed polyethylene sheeting on the lift to contain any dust/debris. A deflection plate was extended from the lift's platform to the building's wall just below the section of caulking being removed. This plate prevented any debris from falling to the ground surface.
- Wetted down the joint area prior to any removal activities.
- Using mechanical tools equipped with HEPA vacuums, removed the existing caulking and grinded the concrete surface 1 inch on either side of the joint.
- Final wet wipe of the joint and 1 inch on either side of the joint.
- Verified caulking removal by visual inspection of the remediated joint area.
- Collected concrete samples for laboratory analysis as specified in the Approval.
- Applied Sikaflex Primer 429, as a sealant/primer, to the inside of the concrete joint and 1 inch on either side of the joint.
- Applied new caulking to the building joint.

All PCB bulk product and remediation waste, including caulking, rubber foam backing, and concrete dust and/or chips that were removed from the building during the remediation were collected and containerized for disposal at the Chemical Waste Management CWM Services chemical waste landfill in Model City, New York (refer to Section 3).

In the two areas of the building where the interior walls were unfinished behind the concrete slab exterior, interior dust control measures were implemented when possible to prevent dust from entering the building. In the first floor mechanical room in the northwest corner of the building, the joints were covered with duct tape from floor to ceiling. Taping the joints from the inside effectively prevented dust from entering the building during remediation work. The elevator shaft, however, could not be accessed from the inside to tape the joints prior to remediation.

2.2 VERIFICATION SAMPLING METHODS

Verification sampling was performed to determine the residual PCB concentrations in the concrete (porous) surfaces following caulk removal. Concrete samples were collected for laboratory analysis of PCBs by USEPA extraction method 3540C (Soxhlet extraction) and USEPA analysis method 8082. Concrete sampling was conducted by collecting concrete chip samples using a hammer and chisel from concrete surfaces in prior contact with the caulking. This method and rationale was presented in the August 13, 2007 SIP and approved by EPA. The concrete chips were collected into laboratory supplied sample containers, labeled with an appropriate identifier, and logged in the project field book and on the laboratory's Chain of Custody (COC) form. After each individual sample, the sampling tools were decontaminated before collecting the next sample. Concrete chip samples were collected at a frequency of approximately 1 per 50 linear feet of removed caulking. Sampling activities were performed both by Woodard & Curran and TEI, and laboratory analyses were performed by Analytics Laboratory of Portsmouth, New Hampshire.

2.3 AIR MONITORING

As described in the project SIP, a Perimeter Air Monitoring Plan was implemented during the remediation activities. The written program was included in the SIP and provided information on dust control measures for the project and information on air monitoring for particulates during caulking removal activities.

Throughout the project, airborne dust levels were monitored daily in the Active Work Zone (inside the hydraulic lift containment area) and at four Support Work Zone locations (along the building face where work was being conducted). All air monitoring was performed by a competent representative of TEI under the instruction of the site safety officer. The results from the daily air monitoring indicated that no Support Work Zone readings exceeded the action level of 0.5 mg/m^3 established in the Approved Plan. Dust levels recorded inside the containment unit of the Active Work Zone are not subject to an action level, as all caulking removal tools and hydraulic lift containment areas were equipped with HEPA ventilation and remediation personnel wore appropriate PPE at all times.

The Air Monitoring Results, along with figures of each building face indicating the air monitoring locations, are provided as Appendix A of this report.

3. CLEANUP AND DISPOSAL

The cleanup and disposal of PCB affected media was conducted in accordance with the Approved Plan and 40 CFR Part 761. This section provides detailed information on the areas remediated and/or disposed of as PCB Bulk Product Waste and/or PCB remediation waste, including estimates of the quantity of remediated materials and the details regarding the final disposal of PCB contaminated media.

3.1 PROJECT IMPLEMENTATION

South Wall

PCB-containing caulking was present in 38 joints for a total of 825 linear feet on the south wall of the building. All 825 linear feet of caulking and rubber foam backing was removed from the joints on the south wall (refer to Figure 2). A limited amount of concrete was also removed from joints by grinding. All impacted materials were containerized in drums on-site and shipped to Chemical Waste Management's Landfill in Model City, New York.

North Wall

PCB-containing caulking was present in 35 joints for a total of 1,015 linear feet on the north wall of the building. All 1,015 linear feet of caulking and rubber foam backing was removed from the joints on the north wall (refer to Figure 3). A limited amount of concrete was also removed from joints by grinding. All impacted materials were containerized in drums on-site and shipped to Chemical Waste Management's Landfill in Model City, New York.

West Wall

PCB-containing caulking was present in 30 joints for a total of 1,040 linear feet on the west wall of the building. A total of 1,025 linear feet of caulking and rubber foam backing was removed from the joints on the west wall (refer to Figure 4). A limited amount of concrete was also removed from joints by grinding. All impacted materials were containerized in drums on-site and shipped to Chemical Waste Management's Landfill in Model City, New York.

Due to physical obstructions on the west face of the building (an entry vestibule) or spaces too small to access with hand tools, approximately 15 feet of caulking remains intact within certain joints on the west wall of the building. The portions of joints that were not remediated are indicated on Figure 4. The caulking remaining in these joints will be addressed under a separate risk-based cleanup and disposal request as required by 40 CFR Part 761.61(c).

East Wall

PCB-containing caulking was present in 11 joints for a total of 260 linear feet on the east wall of the building. All 260 linear feet of caulking and rubber foam backing was removed from the joints on the east wall (refer to Figure 5). A limited amount of concrete was also removed from joints by grinding. All impacted materials were containerized in drums on-site and shipped to Chemical Waste Management's Landfill in Model City, New York.

All Walls

Upon removal of the caulking and grinding, a visual inspection was completed and verification samples collected for PCB analyses (refer to Section 4 for a discussion of the verification results). Once the caulking was inspected to be visually removed, a concrete sealant/primer (Sikaflex Primer 429) was applied to the exposed concrete.

Upon completing the removal of caulking from a building wall or a series of joints (as described above), the waterproofing company mobilized to the site and applied a second coat of Silkaflex Primer 429 followed by new caulking (Sikaflex 2C). This primer and caulking application completes the restoration with the exception of the final coating (i.e. paint) to be applied to the joint. Photographs of prior to and following remediation are presented below.

Joint with Caulking Prior to Remediation

Joint with new Caulking and Concrete Grinding on Either Side – Following Remediation

3.2 DISPOSAL DOCUMENTATION

The removal and disposal of these materials was conducted in accordance with 40 CFR Part 761. In total, 17 drums of caulking, rubber foam backing, and concrete (classified as PCB Bulk Product Waste and/or PCB Remediation Waste) was shipped for disposal to the Chemical Waste Management CWM Services chemical waste landfill located in Model City, NY. One drum of PCB-impacted liquid generated from equipment decontamination was also shipped to CWM Services for subsequent transport for incineration at the Onyx Environmental Services Facility in Port Arthur, Texas. A roll-off container of concrete removed from the building as part of the new window installation was also shipped for disposal to the CWM Services Chemical Waste Landfill on January 24, 2008. The disposal records (manifests and certificates of disposal) are included in Appendix B and Appendix C, respectively.

4. LABORATORY ANALYTICAL DATA

As described in Section 2.2, verification sampling was conducted following USEPA guidelines. Upon collection, samples were submitted to Analytics Environmental Laboratory in Portsmouth, NH. Standard analyses included Soxhlet extraction via USEPA Method 3540C and analysis of PCBs using USEPA Method 8082. Complete laboratory analytical reports, which include laboratory narratives and QA/QC information, are provided in Appendix D of this report.

A brief summary of the analytical data and a description of the usability of the data are presented below.

4.1 POST-REMEDIATION VERIFICATION SAMPLING

A total of 63 bulk concrete samples, three duplicate samples, and two equipment blank samples were collected and submitted to the laboratory for verification purposes. The samples were collected from representative concrete surfaces following caulking removal at a frequency of one concrete sample collected for every 50 linear feet of caulking removed from the building in accordance with the Approved Plan. A total of approximately 3,140 linear feet of caulking was removed from the building during remediation activities.

The number of samples per building wall is summarized below and shown on the respective figures:

- South wall – 18 samples (Figure 2)
- North wall – 20 samples (Figure 3)
- West wall – 20 samples (Figure 4)
- East wall – 5 samples (Figure 5)

The remediation approach involved removing affected media (caulking/rubber foam backer), grinding concrete, verifying removal by visual inspection, and collecting bulk concrete samples. If the remaining concrete in the joint area was determined to be affected following initial decontamination (residual caulking visible on concrete), the concrete was decontaminated further (grinding with hand tools) and re-inspected. Due to physical obstructions on the face of the building or inaccessible spaces, approximately 15 feet of caulking remains intact within certain joints on the west wall of the building. The portions of joints that were inaccessible are indicated on Figure 4.

The results of the verification samples are summarized in Table 1. The complete laboratory analytical reports for the verification sampling are provided in Appendix D of this report.

In summary, concentrations of PCBs were detected in each of the post-removal samples. Similar to the previous caulking sample results, the two predominant Aroclors detected were Aroclor 1248 and Aroclor 1254. The concentrations of total PCBs detected in the samples from each building wall were:

- South wall – 262 to 1,890 ppm with an average of 879 ppm;
- North wall – 10.1 to 608 ppm with an average of 132 ppm;
- West wall – 26.1 to 16,190 ppm with an average of 390 ppm (excluding one outlier);
- East wall – 22.9 to 1,300 ppm with an average of 483 ppm.

These concentrations were relatively consistent with the concrete samples collected from concrete in former contact with the caulking during the characterization phase of the project. The verification sample results indicate that the low occupancy clean-up level of 25 ppm was only met in 2 of the 63 concrete samples submitted for PCB analysis. Because this clean-up standard has not been met and consistent with the August 27, 2007 Approval, a separate risk-

based cleanup and disposal request under 40 CFR Part 761.61(c) will be prepared. Additional discussion on the requirements for completing the site remediation is provided in Section 5.

4.2 DATA USABILITY ASSESSMENT

A data quality and data usability review was conducted on all verification samples collected as part of the SIP activities. The precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) parameter evaluation included an assessment of the parameters and QA/QC samples in the context of the intended use of the data and an overall assessment of data quality.

Upon receipt of the analytical data, a data quality and usability assessment included a review of laboratory quality control samples (surrogates and batch duplicates, spikes); field duplicates; detection limits; sample custody; preservation; analytical hold times; and miscellaneous observations. A summary of the results of the data usability assessment follows:

Precision

Precision is a measure of mutual agreement between concentrations of samples collected at the same time from the same location. Precision is measured by performing duplicate measurements in the field or laboratory and is expressed in terms of Relative Percent Difference (RPD).

Duplicate samples were collected from a total of three locations during confirmatory sampling activities. Comparison of primary sample results to field duplicate results was made to determine the RPD between concentrations detected in a primary sample and its associated duplicate sample. RPDs for the field duplicate sample results were greater than 30% for two of the three sample pairs. The low level of precision seen in the field duplicate samples is likely due to the heterogeneous nature of the samples submitted; since the concrete submitted for analysis was not pulverized, but rather submitted as concrete chips as large as one inch in diameter, homogenization of the material to be split between a primary and a duplicate sample was not possible. For that reason, low analytical precision between primary and duplicate field samples does not imply poor precision for any one individual sample.

Laboratory duplicates and the RPDs between laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were also used to assess analytical precision. These RPDs met acceptance criteria for all sample batches analyzed by the laboratory.

Accuracy

Accuracy is a measure of agreement between results obtained from an analytical method compared with known values. The accuracy of laboratory analytical procedures is measured though a review of recoveries for laboratory control samples, duplicates, and surrogates. The LCS/LCSD percent recoveries were within laboratory acceptance limits for all sample batches analyzed by the laboratory.

Representativeness

Representativeness expresses the degree to which data accurately and precisely represent a characteristic of a population, parameter variation, or environmental condition. The overall representativeness of the data was evaluated qualitatively using site-specific use information.

Data collected after SIP activities are consistent with field observations made at the time of sample collection. During the sampling activities, consistent procedures and laboratory analysis of the data were achieved. All samples were extracted and analyzed within the allowable holding time. Sample containers were packed on ice in coolers and were accompanied by complete chain of custody forms from the time of sample collection until laboratory delivery. Based on the number and spatial distribution of samples collected, the confirmatory sampling data relied upon for this report are representative of conditions at the site.

Representativeness was also evaluated based on the results reported for equipment blanks, method blanks, and instrument blanks. No data were qualified based on laboratory results for blanks.

Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount of valid data expected. The data packages from Analytics Environmental Laboratory in Portsmouth, NH were reviewed to ensure that all sample and associated quality assurance results were available. Results of the completeness review indicated that all collected samples were analyzed and all quality control results were available to complete the data validation process. All samples submitted to the lab were analyzed in accordance with the SIP and the Approved Plan.

Comparability

Comparability is a measure of the degree of confidence with which one data set can be compared to a related set of data. The objective for comparability is to ensure that the results of the analyses for this project can be compared with analyses by other laboratories. This objective has been attained by ensuring:

- Sampling and analytical procedures consistent with those used during previous investigations at the Site;
- Standards traceable to the National Institute of Standards and Technology or EPA-approved sources;
- Standard methodologies;
- Consistent units for reporting results from similar matrices for comparison of previously collected data and for agreement within other organizations reporting similar data; and
- Application of appropriate levels of QC within the context of the Laboratory Quality Assurance Programs.

Sensitivity

Sensitivity was evaluated based on a review of the sample quantitation and reported quantitation limits. PCB concentrations in many samples required sample dilution, leading to detection limits elevated above target clean-up standards in those samples. Laboratory detection limits were reported on Table 1.

Summary

The results of this data usability assessment indicated that the sample collection, handling and laboratory analytical procedures were appropriate and that the data adequately represents the building material tested. Overall, the data is considered usable for the purposes of verifying removal of PCB-affected media and characterizing materials for disposal in accordance with the Approved Plan and 40 CFR Part 761. Copies of all laboratory reports are provided in Appendix D.

TABLE 1

MIT Lincoln Laboratory - FA Building Caulking Removal
Confirmatory Analysis Results (Soxhlet Extraction, EPA Analysis Method 8082)

North Wall

Sample ID	Sample Date	Aroclor 1248	Aroclor 1254	Total PCBs
MIT-NW-001	11/15/07	< 3.17	**30.51**	**30.5**
MIT-NW-002	11/15/07	< 3.17	**25.4**	**25.4**
MIT-NW-003	11/15/07	< 17.2	**118**	**118**
MIT-NW-004	11/15/07	< 3.40	**32.2**	**32.2**
MIT-NW-005	11/15/07	< 8.48	**96**	**96**
MIT-NW-006	11/15/07	< 16.3	**163**	**163**
MIT-NW-007	11/15/07	< 17.0	**116**	**116**
MIT-NW-008	11/15/07	< 16.9	**238**	**238**
MIT-NW-009	11/15/07	< 65.3	**608**	**608**
MIT-NW-010	11/15/07	< 16.8	**156**	**156**
MIT-NW-011	11/15/07	< 16.9	**110**	**110**
MIT-NW-012	11/15/07	< 3.40	**51.3**	**51.3**
MIT-NW-013	11/15/07	< 16.8	**79.4**	**79.4**
MIT-NW-014	11/15/07	< 17.0	**109**	**109**
MIT-NW-015	11/15/07	< 3.37	**33.6**	**33.6**
MIT-NW-016	11/15/07	< 1.68	**10.1**	**10.1**
MIT-NW-017	11/15/07	< 3.43	**50.6**	**50.6**
MIT-NW-018	11/15/07	< 6.93	**69.8**	**69.8**
MIT-NW-019	11/15/07	< 16.0	**220**	**220**
MIT-NW-020	11/15/07	< 32.7	**317**	**317**

West Wall

Sample ID	Sample Date	Aroclor 1248	Aroclor 1254	Total PCBs
MIT-WW-001	10/26/07	**989**	< 69.3	**989**
MIT-WW-002	10/26/07	**330**	< 32.9	**330**
MIT-WW-003	10/26/07	**293**	< 33.0	**293**
MIT-WW-004	10/26/07	**391**	< 33.7	**391**
MIT-WW-005	10/26/07	**695**	< 67.3	**695**
MIT-WW-006	10/26/07	**613**	< 65.8	**613**
MIT-WW-007	10/31/07	< 33.0	**401**	**401**
MIT-WW-008	11/12/07	**158**	< 16.7	**158**
MIT-WW-009	11/01/07	< 31.5	**200**	**200**
MIT-WW-010	11/01/07	< 31.1	**101**	**101**
MIT-WW-011	11/01/07	< 31.7	**74.7**	**74.7**
MIT-WW-012	10/31/07	< 33.7	**435**	**435**
MIT-WW-013	10/31/07	< 31.3	**399**	**399**
MIT-WW-014	10/31/07	< 66.3	**587**	**587**
MIT-WW-015	10/31/07	< 161	**906**	**906**
MIT-WW-016	10/31/07	**26.1**	< 17.1	**26.1**
MIT-WW-017	10/31/07	< 33.7	**122**	**122**
MIT-WW-018	10/31/07	**7,770**	**8,420**	**16,190**
MIT-WW-019	10/31/07	**567**	< 66.0	**567**
MIT-WW-020	11/15/07	**128**	< 13.6	**128**

South Wall

Sample ID	Sample Date	Aroclor 1248	Aroclor 1254	Total PCBs
MIT-SW-001	09/27/07	**559**	< 168	**559**
MIT-SW-002	10/04/07	**816**	< 172	**816**
MIT-SW-003	10/04/07	**662**	< 161	**662**
MIT-SW-004	10/04/07	**358**	< 33.7	**358**
MIT-SW-005	10/04/07	**860**	< 168	**860**
MIT-SW-006	10/04/07	**784**	< 168	**784**
MIT-SW-007	10/04/07	**442**	< 67.3	**442**
MIT-SW-008	10/04/07	**268**	< 33	**268**
MIT-SW-009	10/04/07	**1,210**	< 340	**1,210**
MIT-SW-010	10/04/07	**869**	< 167	**869**
MIT-SW-011	10/04/07	**1,150**	< 319	**1,150**
MIT-SW-012	10/04/07	**718**	< 171	**718**
MIT-SW-013	10/04/07	**262**	< 33.7	**262**
MIT-SW-014	10/18/07	**674**	< 68	**674**
MIT-SW-015	10/18/07	**1,330**	< 170	**1,330**
MIT-SW-016	10/18/07	< 148	**1,890**	**1,890**
MIT-SW-017	11/15/07	**1,510**	< 170	**1,510**
MIT-SW-018	11/15/07	**1,460**	< 166	**1,460**

East Wall

Sample ID	Sample Date	Aroclor 1248	Aroclor 1254	Total PCBs
MIT-EW-001	10/18/07	< 8.71	**22.9**	**22.9**
MIT-EW-002	10/18/07	**67.1**	< 34.3	**67.1**
MIT-EW-003	10/18/07	**1,300**	< 86.8	**1,300**
MIT-EW-004	10/18/07	**529**	< 67.3	**529**
MIT-EW-005	10/18/07	**496**	< 33.2	**496**

Notes:

All results are reported in mg/kg.

No PCB Aroclors other than those listed above were detected during verification sampling.

5. SUMMARY AND CONCLUSIONS

PCB remediation activities were performed at the MIT Lincoln Laboratory facility located at 244 Wood Street in Lexington, Massachusetts. Cleanup activities were conducted at an industrial building known as the FA Building from September 24, 2007 to November 16, 2007 with final off-site transport of impacted media on January 24, 2008. These activities were completed in accordance with 40 CFR Part 761 and the Self-Implementing On-Site Cleanup and Disposal Plan (SIP) dated August 13, 2007, EPA's Decontamination Approval dated August 27, 2007, and subsequently approved modifications and/or e-mail clarifications communicated between EPA, Woodard & Curran, and MIT/Lincoln Labs and their representatives over the course of the project (collectively, "the Approved Plan").

Remediation activities were performed by Triumvirate Environmental Inc., with engineering oversight conducted by Woodard & Curran. A Perimeter Air Monitoring Plan was implemented during site work activities in accordance with the Approved Plan. Verification sampling was conducted both by Woodard & Curran and Triumvirate Environmental, Inc.

In summary, approximately 3,140 linear feet of PCB containing caulking was removed from the building and disposed of off-site at a chemical waste landfill. Adjacent concrete surfaces (within 1-inch of the joint) were grinded, sealed with a concrete sealer/primer, and new caulking was applied within the building joints. Prior to the restoration of the joints, each joint was visually inspected to verify caulking removal and post-removal concrete samples collected from within each joint for PCB analyses (63 samples at a frequency of 1 per 50 linear feet).

The verification sample results indicated residual PCB concentrations remain in concrete within the joint. All concentrations (except 2 locations) were detected in excess of the low occupancy clean-up level of 25 ppm.

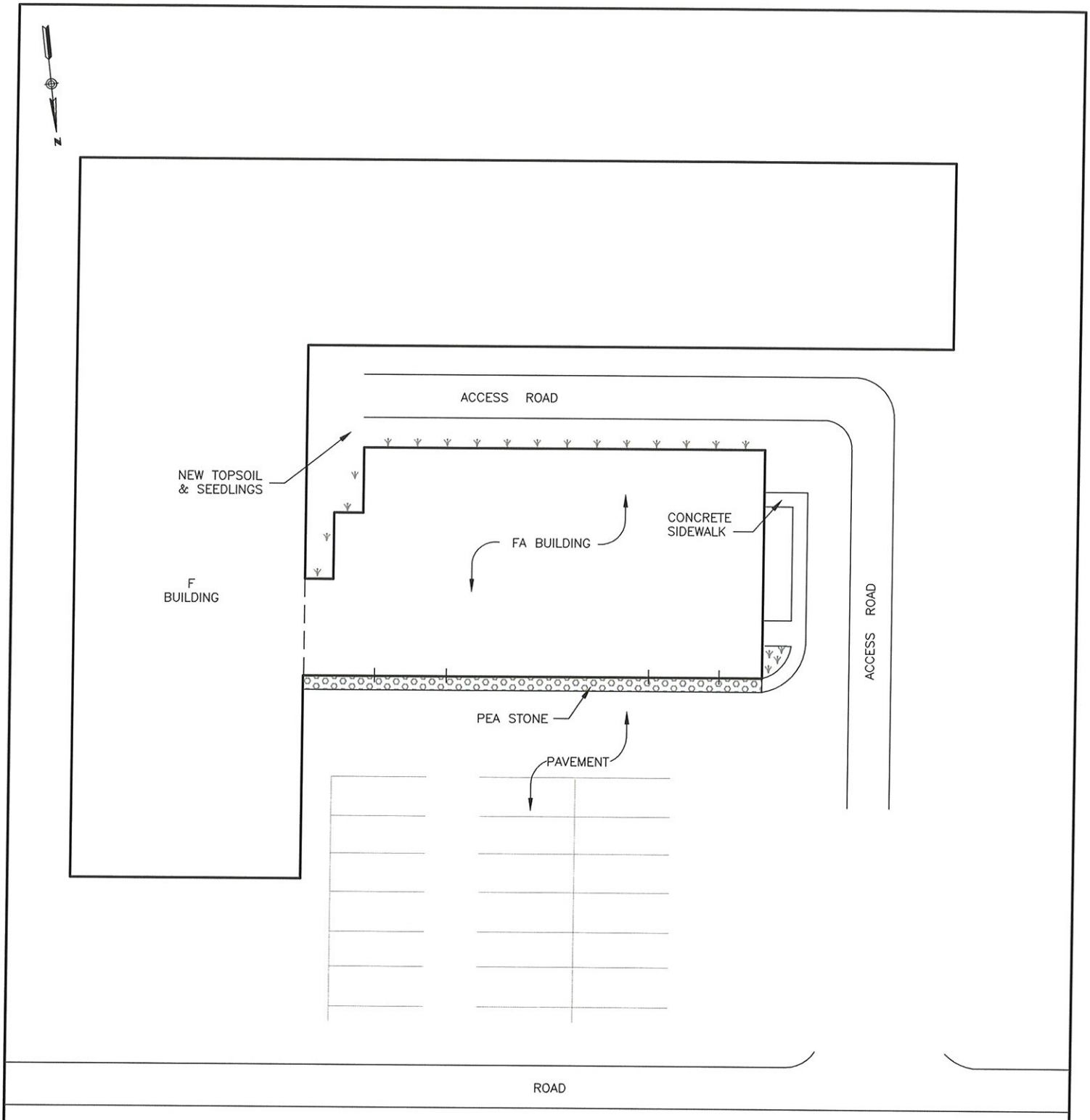
Because the low occupancy clean-up standard has not been met and consistent with the August 27, 2007 Approval, a separate risk-based cleanup and disposal request under 40 CFR Part 761.61(c) will be prepared. Consistent with Approval Condition 12c, ". . . the risk-based request must include information to support a finding that leaving PCBs at concentrations greater than 25 ppm poses no unreasonable risk to users of the site, and must include a long-term monitoring and maintenance plan for PCB-contaminated areas."

As indicated in the body of this report, the caulking removal was completed in mid-November of 2007; therefore, the weather did not allow for the areas of the joints to be painted as stated in the Site Restoration components of the SIP. The final stage of the building restoration – a new coat of paint over the resealed joint – is scheduled for completion when the weather allows in Spring of 2008.

Following completion of the painting, it is anticipated that surface wipe samples of the exposed exterior surface of the building joint will be collected to support the risk-based cleanup and disposal request. As such, the preparation of this request will be completed and submitted to the EPA in the Spring of 2008.

Condition 20 of the August 27, 2007 Approval requires the submission of a certification signed by the property owner indicating that the notation on the deed as required under 40 CFR 761(a)(8)(i)(A) has been recorded. Because the low occupancy cleanup standard has not been met, the required deed notice restricting the use of the property to low occupancy has not been recorded. As indicated above, the residual concentrations of PCBs in concrete will be addressed via a risk-based request per 40 CFR 761(c).

FIGURES



WOODARD &CURRAN

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COMMITMENT & INTEGRITY DRIVE RESULTS

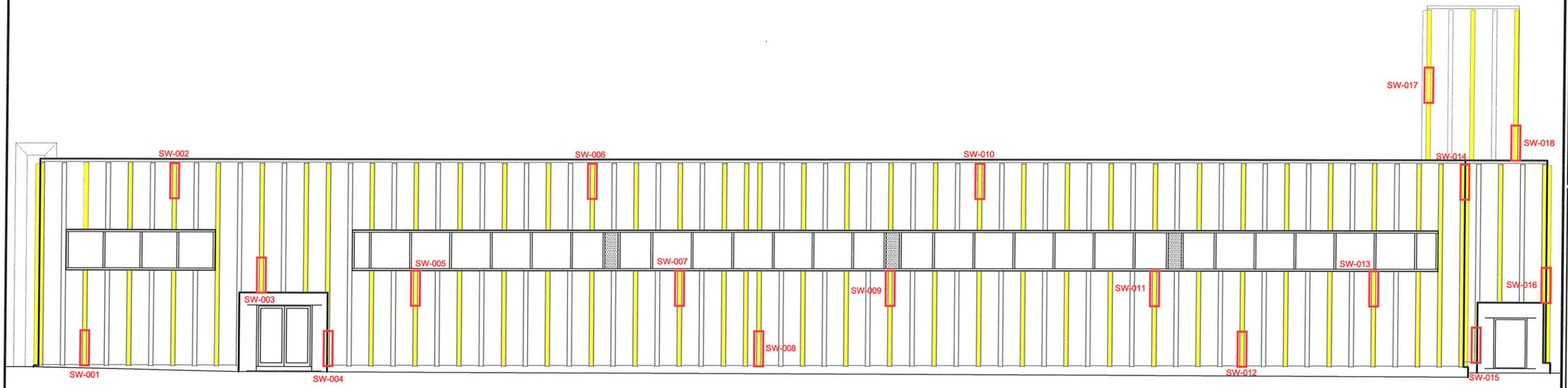
SITE PLAN

DESIGNED BY:	CHECKED BY: KS
DRAWN BY: EVR	Site Plan.dwg

MIT LINCOLN LABORATORY
244 WOOD STREET
LEXINGTON, MASSACHUSETTS

JOB NO:	210732
DATE:	DEC 2007
SCALE:	N.T.S.

FIGURE 1



SOUTH WALL

NOTES:

1. PLAN ADAPTED FROM "FA BUILDING REMODEL" PREPARED BY BECHTEL FRANK ERICKSON ARCHITECTS, INC. DATED 1/24/07. DRAWING NO. D-482932-13
2. ALL VISIBLE CAULKING HAS BEEN REMOVED FROM THOSE JOINTS CONTAINING CAULKING, EXCEPT AS NOTED.

LEGEND

SW-001 POST CAULKING REMOVAL CONCRETE SAMPLE LOCATION

YELLOW HIGHLIGHTED JOINTS INDICATE LOCATIONS OF CAULKING REMOVAL

NON-HIGHLIGHTED AREAS INDICATE LOCATIONS WHERE NO CAULKING WAS PRESENT

0 12 24

SCALE IN FEET

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COMMITMENT & INTEGRITY DRIVE RESULTS

WOODARD & CURRAN

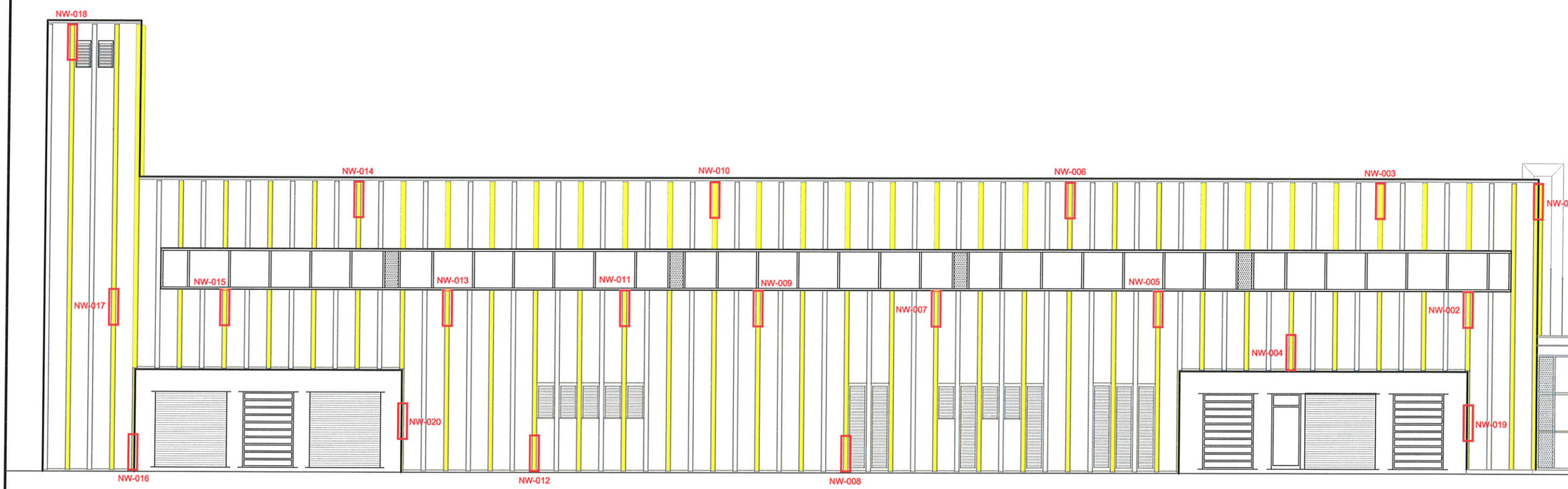
FA BUILDING SOUTH WALL
CAULKING AND POST-REMOVAL
CONCRETE SAMPLE LOCATIONS

DESIGNED BY: AM
DRAWN BY: EVR
CHECKED BY:
Figure 2-5.dwg

MIT LINCOLN LABORATORY
244 WOOD STREET
LEXINGTON, MASSACHUSETTS

JOB NO: 210792
DATE: DEC. 2007
SCALE: AS NOTED

FIGURE 2



NORTH WALL

NOTES:

1. PLAN ADAPTED FROM "FA BUILDING REMODEL" PREPARED BY BECHTEL FRANK ERICKSON ARCHITECTS, INC. DATED 1/24/07. DRAWING NO. D-482932-13
2. ALL VISIBLE CAULKING HAS BEEN REMOVED FROM THOSE JOINTS CONTAINING CAULKING, EXCEPT AS NOTED.

LEGEND

NW-001 POST CAULKING REMOVAL CONCRETE SAMPLE LOCATION

YELLOW HIGHLIGHTED JOINTS INDICATE LOCATIONS OF CAULKING REMOVAL

NON-HIGHLIGHTED AREAS INDICATE LOCATIONS WHERE NO CAULKING WAS PRESENT

0 12 24

SCALE IN FEET

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COMMITMENT & INTEGRITY DRIVE RESULTS

WOODARD & CURRAN

FA BUILDING NORTH WALL
CAULKING AND POST-REMOVAL
CONCRETE SAMPLE LOCATIONS

DESIGNED BY: AM
DRAWN BY: EVR
CHECKED BY:
Figure 2-5.dwg

MIT LINCOLN LABORATORY
244 WOOD STREET
LEXINGTON, MASSACHUSETTS

JOB NO: 210792
DATE: DEC. 2007
SCALE: AS NOTED

FIGURE 3

WEST WALL

NOTES:

1. PLAN ADAPTED FROM "FA BUILDING REMODEL" PREPARED BY BECHTEL FRANK ERICKSON ARCHITECTS, INC. DATED 1/24/07. DRAWING NO. D-482932-13
2. ALL VISIBLE CAULKING HAS BEEN REMOVED FROM THOSE JOINTS CONTAINING CAULKING, EXCEPT AS NOTED.
3. JOINTS HIGHLIGHTED GREEN WERE INACCESSIBLE TO REMOVAL EQUIPMENT.

LEGEND

WW-001 POST CAULKING REMOVAL CONCRETE SAMPLE LOCATION

YELLOW HIGHLIGHTED JOINTS INDICATE LOCATIONS OF CAULKING REMOVAL

GREEN HIGHLIGHTED JOINTS INDICATE LOCATIONS WHERE CAULKING WAS INACCESSIBLE TO EQUIPMENT AND/OR STRUCTURES AND COULD NOT BE REMOVED

NON-HIGHLIGHTED AREAS INDICATE LOCATIONS WHERE NO CAULKING WAS PRESENT

0 10 20

SCALE IN FEET

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COMMITMENT & INTEGRITY DRIVE RESULTS

WOODARD & CURRAN

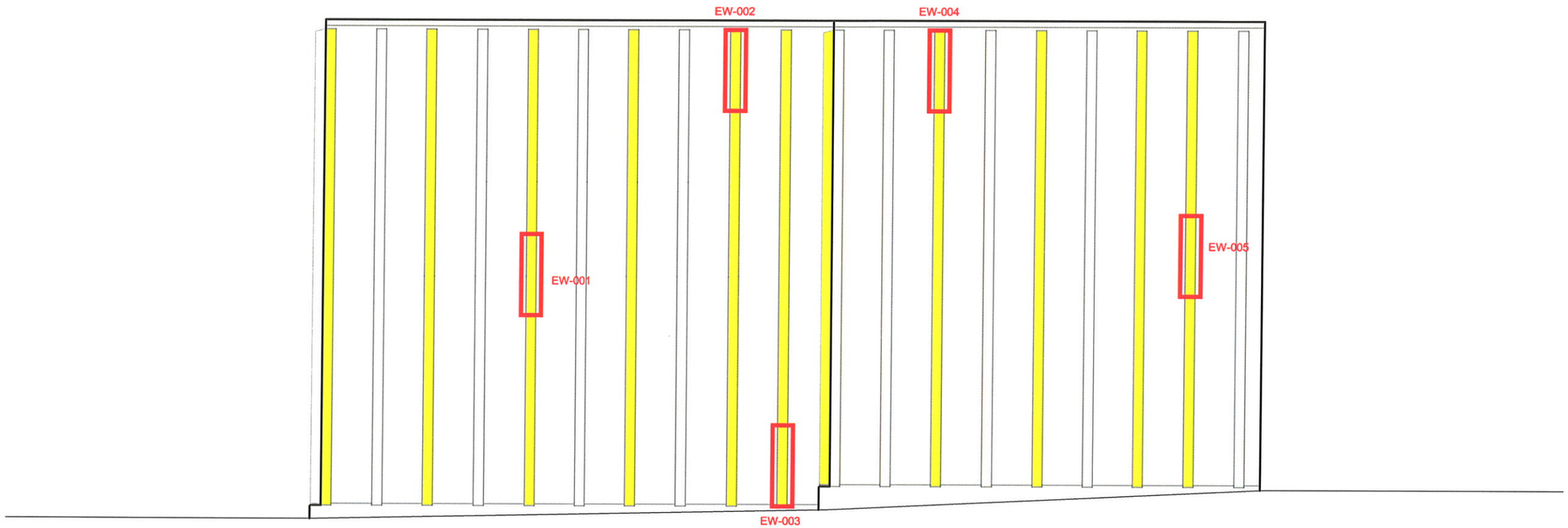
FA BUILDING WEST WALL
CAULKING AND POST-REMOVAL
CONCRETE SAMPLE LOCATIONS

DESIGNED BY: AM
DRAWN BY: EVR
CHECKED BY:
Figure 2-5.dwg

MIT LINCOLN LABORATORY
244 WOOD STREET
LEXINGTON, MASSACHUSETTS

JOB NO: 210792
DATE: DEC. 2007
SCALE: AS NOTED

FIGURE 4



EAST WALL

NOTES:

1. PLAN ADAPTED FROM "FA BUILDING REMODEL" PREPARED BY BECHTEL FRANK ERICKSON ARCHITECTS, INC. DATED 1/24/07. DRAWING NO. D-482932-13
2. ALL VISIBLE CAULKING HAS BEEN REMOVED FROM THOSE JOINTS CONTAINING CAULKING, EXCEPT AS NOTED.

LEGEND

EW-001 POST CAULKING REMOVAL CONCRETE SAMPLE LOCATION

YELLOW HIGHLIGHTED JOINTS INDICATE LOCATIONS OF CAULKING REMOVAL

NON-HIGHLIGHTED AREAS INDICATE LOCATIONS WHERE NO CAULKING WAS PRESENT

0 6 12

SCALE IN FEET

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866.702.6371 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

WOODARD & CURRAN

FA BUILDING EAST WALL
CAULKING AND POST-REMOVAL
CONCRETE SAMPLE LOCATIONS

DESIGNED BY: AM
DRAWN BY: EVR
CHECKED BY:
Figure 2-5.dwg

MIT LINCOLN LABORATORY
244 WOOD STREET
LEXINGTON, MASSACHUSETTS

JOB NO: 210792
DATE: DEC. 2007
SCALE: AS NOTED

FIGURE 5

APPENDIX A: PERIMETER AIR MONITORING RESULTS

Air Monitoring Results
Total Particulate Measurement
Using Thermo Electron Aerosol Monitor
MIT - Lincoln Laboratories, Lexington
PCB Contaminated Caulk Removal

Background = 0.034 mg/m^3 @ 8:45am on 9/27/07
Background = 0.090 mg/m^3 @ 1:00pm on 9/27/07
All readings taken are measured by mg/ m^3

	Time	A	B	C	D	E
South Wall	9:00 AM	0.041	0.039	0.046	0.046	
9/27/07	10:00 AM	0.039	0.042	0.041	0.053	
	11:00 AM	0.042	0.041	0.042	0.050	15.8 mg/m^3 per 1 hour exp.
	Break					
	1:00 PM	0.092	0.091	0.089	0.087	Cutting of concrete block by other
	2:00 PM	0.084	0.089	0.090	0.086	contractors at 50' from work area
	3:00 PM	0.089	0.087	0.090	0.087	
South Wall	8:20 AM	0.019	0.023	0.021	0.020	
9/28/07	9:20 AM	0.030	0.069	0.039	0.045	14.3 mg/m^3 per 1 hour exp.
	10:25 AM	0.026	0.031	0.034	0.030	
	11:25 AM	0.027	0.034	0.048	0.051	
	Break					
	12:30 PM	0.016	0.020	0.026	0.058	
	1:32 PM	0.019	0.021	0.068	0.039	
	2:30 PM	0.023	0.020	0.047	0.038	
South Wall	8:45 AM	0.010	0.011	0.069*	0.044*	*Boom running while metering
10/1/07	9:45 AM	0.026	0.019	0.029	0.021	
	10:45 AM	0.029	0.023	0.030	0.069	10.4 mg/m^3 per 1 hour exp.
	11:45 AM	0.029	0.027	0.033	0.058	
	Break					
	1:15 PM	0.042	0.045	0.033	0.025	
	2:15 PM	0.044	0.048	0.028	0.019	
South Wall	9:00 AM	0.048	0.062	0.070	0.045	
10/2/07	10:00 AM	0.052	0.062	0.056	0.045	14.6 mg/m^3 per 1 hour exp.
	11:00 AM	0.051	0.058	0.058	0.048	
	Break					
	12:30 PM	0.046	0.058	0.061	0.052	
	1:30 PM	0.048	0.061	0.058	0.053	
	2:30 PM	0.046	0.060	0.056	0.048	
South Wall	8:30 AM	0.040	0.043	0.041	0.017	
10/3/07	9:30 AM	0.047	0.043	0.060	0.047	
	10:45 AM	0.056	0.112*	0.163*	0.156*	*Lift running while sampling
	Break					
	12:30 PM	0.063	0.061	0.056	0.062	
	1:30 PM	0.057	0.063	0.072	0.063	

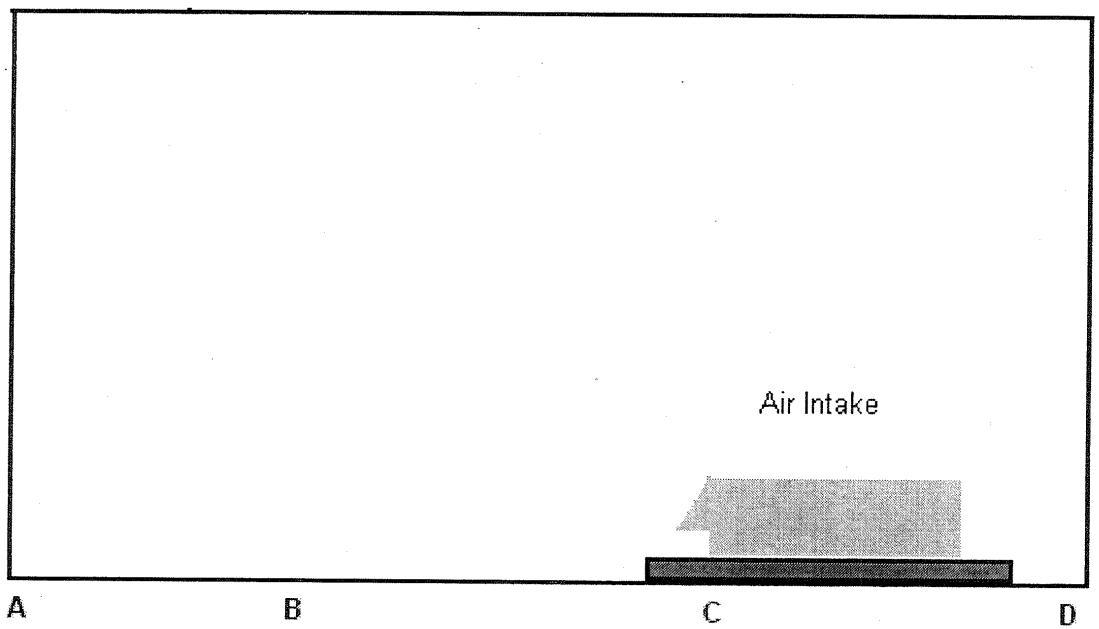
South Wall	8:45 AM	0.052	0.056	0.056	0.063	
10/4/07	9:45 AM	0.053	0.053	0.070	0.056	
	10:45 AM	0.048	0.056	0.063	0.056	15.8 mg/m^3 per 1 hour exp.
	11:45 AM	0.055	0.055	0.064	0.053	
	Break					
	12:45 PM	0.047	0.061	0.072	0.058	
	1:45 PM	0.050	0.058	0.068	0.056	
	2:30 PM	0.056	0.055	0.061	0.061	
South Wall	9:00 AM	0.048	0.044	0.045	0.047	
10/5/07	10:00 AM	0.051	0.053	0.053	0.055	10.1 mg/m^3 per 1 hour exp.
	11:00 AM	0.046	0.051	0.062	0.071	
	Break					
	1:00 AM	0.048	0.050	0.055	0.069	
	2:00 AM	0.052	0.061	0.058	0.071	
East Wall	8:30 AM	0.070	0.065	0.072	0.074	
10/8/07	9:30 AM	0.068	0.060	0.073	0.076	
	10:30 AM	0.050	0.062	0.070	0.078	13.4 mg/m^3 per 1 hour exp.
	11:30 AM	0.058	0.071	0.076	0.071	
	Break					
	1:00 PM	0.062	0.070	0.067	0.067	
	2:00 PM	0.067	0.069	0.070	0.069	
East Wall	8:15 AM	0.068	0.070	0.067	0.058	
10/9/07	9:15 AM	0.064	0.072	0.072	0.054	
	10:15 AM	0.058	0.074	0.071	0.063	14.1 mg/m^3 per 1 hour exp.
	11:15 AM	0.062	0.070	0.069	0.065	
	Break					
	12:15 PM	0.068	0.068	0.069	0.057	
	1:15 PM	0.071	0.071	0.072	0.058	
	2:15 PM	0.058	0.071	0.070	0.062	
East Wall	8:30 AM	0.071	0.063	0.058	0.060	
10/10/07	9:30 AM	0.068	0.058	0.054	0.058	16.3 mg/m^3 per 1 hour exp.
	10:30 AM	0.065	0.052	0.056	0.058	
	Break					
	12:00 PM	0.058	0.068	0.063	0.061	
	1:00 PM	0.070	0.068	0.062	0.058	
	2:00 PM	0.067	0.071	0.054	0.052	
East Wall	9:00 AM	0.042	0.050	0.048	0.049	
10/17/07	10:00 AM	0.041	0.048	0.052	0.045	
	11:00 AM	0.052	0.048	0.050	0.050	10.4 mg/m^3 per 1 hour exp.
	Break					
	1:00 PM	0.056	0.060	0.054	0.052	
	2:00 PM	0.054	0.058	0.056	0.052	
West Wall	8:45 AM	0.043	0.046	0.046	0.051	
10/18/07	9:45 AM	0.040	0.048	0.042	0.053	15.3 mg/m^3 per 1 hour exp.
	10:45 AM	0.044	0.051	0.048	0.060	
	Break					

	12:15 PM	0.050	0.047	0.050	0.055	
	1:15 PM	0.048	0.050	0.047	0.054	
West Wall	8:15 AM	0.052	0.054	0.048	0.061	
10/19/07	9:15 AM	0.054	0.051	0.052	0.063	
	10:15 AM	0.056	0.048	0.049	0.061	
	11:15 AM	0.051	0.048	0.051	0.067	
	Break					
	12:30 PM	0.054	0.053	0.051	0.062	
	1:30 PM	0.054	0.055	0.054	0.062	
	2:30 PM	0.055	0.051	0.058	0.071	
West Wall	8:45 AM	0.038	0.036	0.038	0.017	
10/22/07	9:45 AM	0.023	0.028	0.033	0.024	14.2 mg/m^3 per 1 hour exp.
	10:45 AM	0.028	0.024	0.029	0.030	
	Break					
	12:15 PM	0.033	0.028	0.031	0.028	
	1:15 PM	0.030	0.028	0.024	0.024	
	2:15 PM	0.035	0.031	0.028	0.027	
West Wall	8:30 AM	0.038	0.042	0.037	0.034	
10/23/07	9:30 AM	0.044	0.048	0.040	0.038	13.1 mg/m^3 per 1 hour exp.
	10:30 AM	0.044	0.046	0.043	0.036	
	12:00 PM	0.036	0.044	0.044	0.046	
	1:00 PM	0.038	0.046	0.046	0.042	
	2:00 PM	0.042	0.048	0.039	0.038	
West Wall	9:00 AM	0.048	0.052	0.044	0.046	
10/24/07	10:00 AM	0.052	0.050	0.056	0.058	10.6 mg/m^3 per 1 hour exp.
	11:00 AM	0.054	0.053	0.054	0.052	
	12:30 PM	0.046	0.044	0.044	0.056	
	1:30 PM	0.048	0.054	0.056	0.054	
	2:30 PM	0.046	0.056	0.058	0.060	
West Wall	8:30 AM	0.034	0.040	0.042	0.038	
10/25/07	9:30 AM	0.036	0.042	0.044	0.042	16.2 mg/m^3 per 1 hour exp.
	10:30 AM	0.043	0.048	0.051	0.046	
	11:30 AM	0.038	0.043	0.054	0.054	
	12:45 PM	0.040	0.052	0.054	0.043	
	1:45 PM	0.044	0.048	0.052	0.050	
West Wall	9:30 AM	0.062	0.070	0.068	0.072	
10/26/07	10:30 AM	0.065	0.068	0.071	0.073	11.7 mg/m^3 per 1 hour exp.
	11:30 AM	0.058	0.063	0.067	0.057	
	Break					
	1:00 PM	0.053	0.058	0.062	0.061	
	2:00 PM	0.057	0.062	0.059	0.063	
West Wall	8:45 AM	0.048	0.052	0.049	0.044	
10/29/07	9:45 AM	0.043	0.053	0.052	0.056	13.4 mg/m^3 per 1 hour exp.
	10:45 AM	0.052	0.049	0.052	0.051	
	11:45 AM	0.044	0.048	0.048	0.052	

	12:45 PM	0.058	0.053	0.055	0.052	
	1:45 PM	0.050	0.049	0.056	0.071*	*Lift running while sampling
	2:45 PM	0.052	0.050	0.048	0.052	
West Wall 10/30/07	8:45 AM	0.068	0.062	0.064	0.058	
	9:45 AM	0.063	0.065	0.059	0.062	15.2 mg/m^3 per 1 hour exp.
	10:45 AM	0.062	0.064	0.064	0.063	
	11:45 AM	0.058	0.059	0.061	0.061	
	Lunch				0.058	
	12:45 PM	0.064	0.064	0.058	0.061	
	1:45 PM	0.060	0.059	0.058	0.062	
	2:45 PM	0.054	0.062	0.064	0.064	
North Wall 10/31/07	8:30 AM	0.038	0.033	0.035	0.032	
	9:30 AM	0.032	0.038	0.031	0.032	16.3 mg/m^3 per 1 hour exp.
	10:30 AM	0.030	0.032	0.035	0.038	
	11:30 AM	0.028	0.034	0.034	0.032	
	1:00 PM	0.068*	0.042	0.045	0.040	*Lift running while sampling
	2:00 PM	0.038	0.042	0.042	0.040	
North Wall 11/1/07	9:30 AM	0.017	0.023	0.027	0.024	
	10:30 AM	0.032	0.033	0.028	0.034	14.2 mg/m^3 per 1 hour exp.
	11:30 AM	0.036	0.029	0.031	.068*	
	Lunch					
	12:45 PM	0.031	0.028	0.032	0.037	
	1:45 PM	0.033	0.032	0.032	0.036	*Lift running while sampling
	2:45 PM	0.028	0.031	0.028	0.030	
North Wall 11/2/07	8:45 AM	0.023	0.032	0.034	0.029	
	9:45 AM	0.025	0.027	0.031	0.033	11.7 mg/m^3 per 1 hour exp.
	10:45 AM	0.028	0.031	0.034	0.034	
	11:45 AM	0.032	0.034	0.034	0.033	
	12:45 PM	0.036	0.038	0.035	0.033	
	1:45 PM	0.032	0.035	0.032	0.030	
North Wall 11/5/07	8:30 AM	0.028	0.030	0.030	0.027	
	9:30 AM	0.032	0.034	0.034	0.028	11.7 mg/m^3 per 1 hour exp.
	10:30 AM	0.033	0.033	0.035	0.031	
	11:30 AM	0.031	0.037	0.038	0.034	
	Lunch					
	12:45 PM	0.038	0.040	0.036	0.036	
	1:45 PM	0.042	0.034	0.038	0.039	
	2:45 PM	0.039	0.041	0.030	0.038	
North Wall 11/7/07	8:00 AM	0.017	0.023	0.025	0.020	
	9:00 AM	0.027	0.026	0.027	0.028	13.3 mg/m^3 per 1 hour exp.
	10:00 AM	0.031	0.025	0.029	0.033	
	11:00 AM	0.030	0.044	0.046	0.031	
	Lunch					
	12:00 PM	0.032	0.048	0.044	0.040	
	1:00 PM	0.034	0.042	0.048	0.041	
	2:00 PM	0.033	0.045	0.048	0.047	

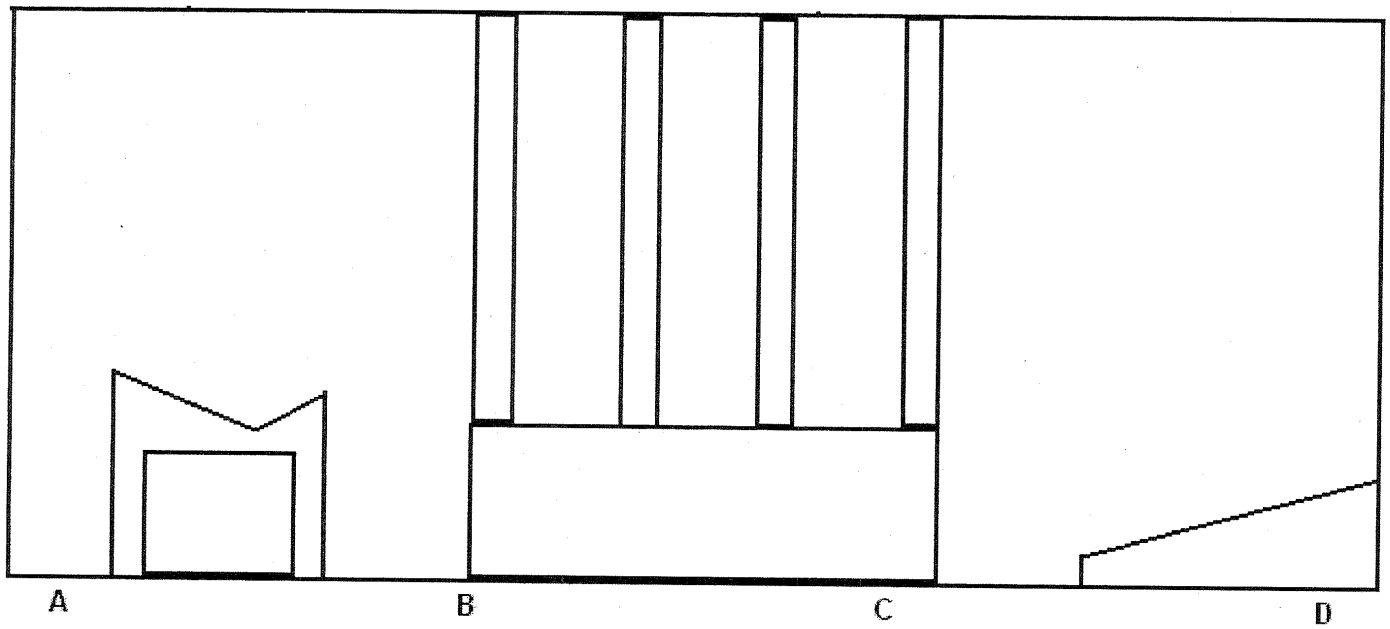
North Wall	9:00 AM	0.071	0.067	0.073	0.070	
11/8/07	10:00 AM	0.073	0.075	0.077	0.074	9.7 mg/m^3 per 1 hour exp.
	11:00 AM	0.081	0.077	0.083	0.072	
	12:00 PM	0.083	0.079	0.084	0.074	
	Lunch					
	1:00 PM	0.075	0.082	0.072	0.070	*High winds throughout the day
	2:00 PM	0.072	0.075	0.074	0.072	
North Wall	9:00 AM	0.043	0.045	0.038	0.048	
11/9/07	10:00 AM	0.044	0.048	0.042	0.047	10.1 mg/m^3 per 1 hour exp.
	11:00 AM	0.040	0.039	0.042	0.044	
	Lunch					
	12:15 PM	0.042	0.045	0.041	0.045	
	1:15 PM	0.040	0.043	0.048	0.049	
	2:15 PM	0.044	0.046	0.043	0.044	
North Wall	8:00 AM	0.052	0.055	0.053	0.050	
11/12/07	9:00 AM	0.048	0.047	0.050	0.052	15.2 mg/m^3 per 1 hour exp.
	10:00 AM	0.053	0.049	0.051	0.051	
	11:00 AM	0.051	0.052	0.048	0.044	
	12:00 PM	0.055	0.050	0.059	0.048	
	1:00 PM	0.050	0.050	0.052	0.049	
	2:00 PM	0.049	0.048	0.044	0.051	
North Wall	8:30 AM	0.038	0.033	0.035	0.034	
11/13/07	9:30 AM	0.040	0.037	0.065	0.038	13.5 mg/m^3 per 1 hour exp.
	10:30 AM	0.040	0.036	0.036	0.038	
	11:30 AM	Rain				
	Lunch					
	12:30 PM	Rain				
	1:30 PM	Rain				
	2:30 PM	0.036	0.032	0.032	0.034	
North Wall	8:00 AM	0.033	0.034	0.038	0.031	
11/14/07	9:00 AM	0.036	0.036	0.037	0.035	11.7 mg/m^3 per 1 hour exp.
	10:00 AM	0.032	0.035	0.042	0.030	
	11:00 AM	0.040	0.041	0.038	0.036	
	Lunch					
	12:30 PM	0.041	0.041	0.042	0.038	
	1:30 PM	0.039	0.036	0.038	0.039	
	2:30 PM	0.040	0.037	0.038	0.040	
North Wall	10:00 AM	0.027	0.030	0.028	0.028	
11/15/07	11:00 AM	0.031	0.036	0.034	0.033	14.2 mg/m^3 per 1 hour exp.
	Lunch					
	12:00 PM	0.033	0.036	0.036	0.034	
	1:00 PM	0.032	0.030	0.036	0.036	
West Wall	9:30 AM	0.038	0.041	0.044	0.042	9.6 mg/m^3 per 1 hour exp.
11/16/07	10:30 AM	0.042	0.043	0.044	0.045	

East Wall

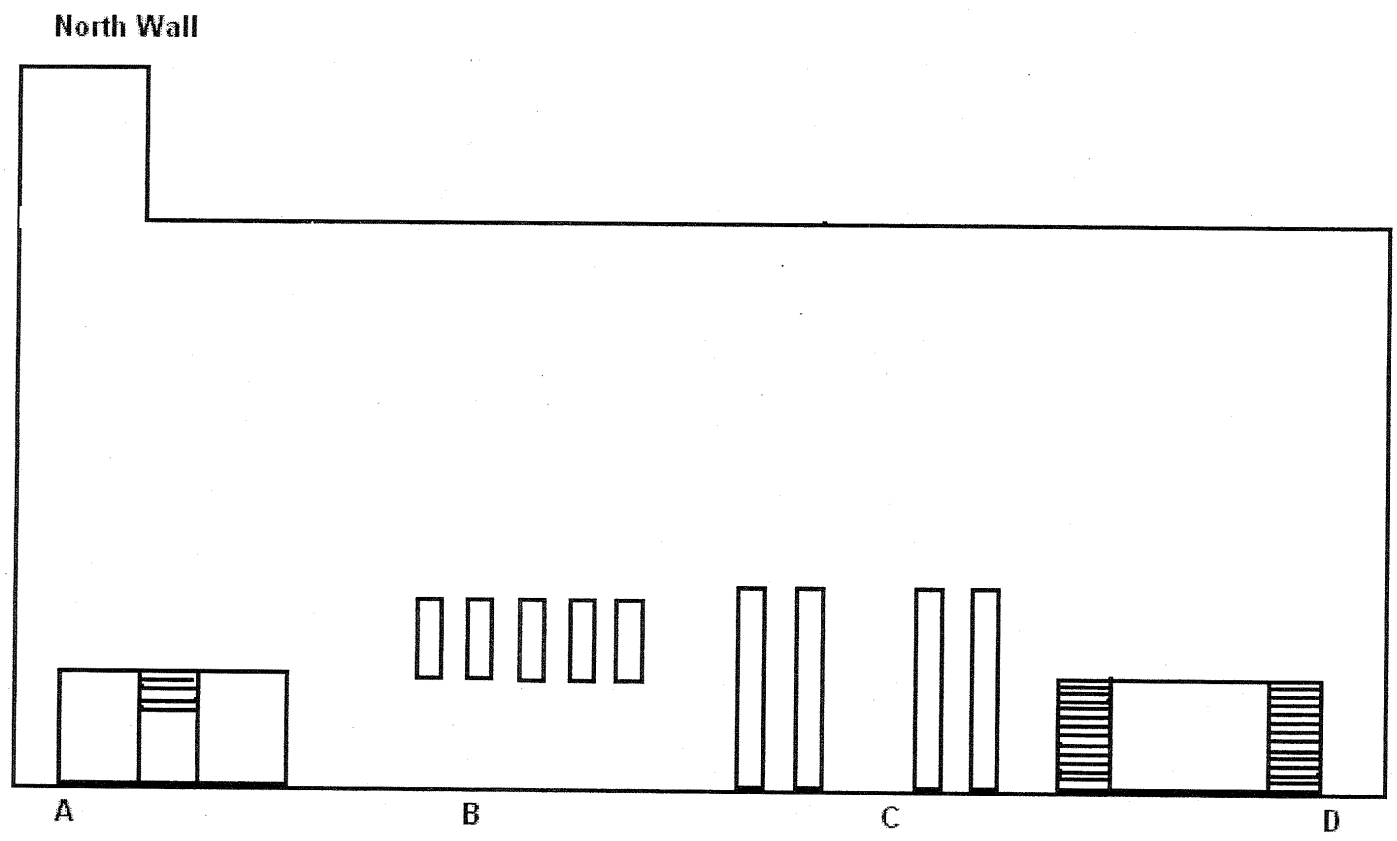


E = Inside lift containment during work activities.

West Wall

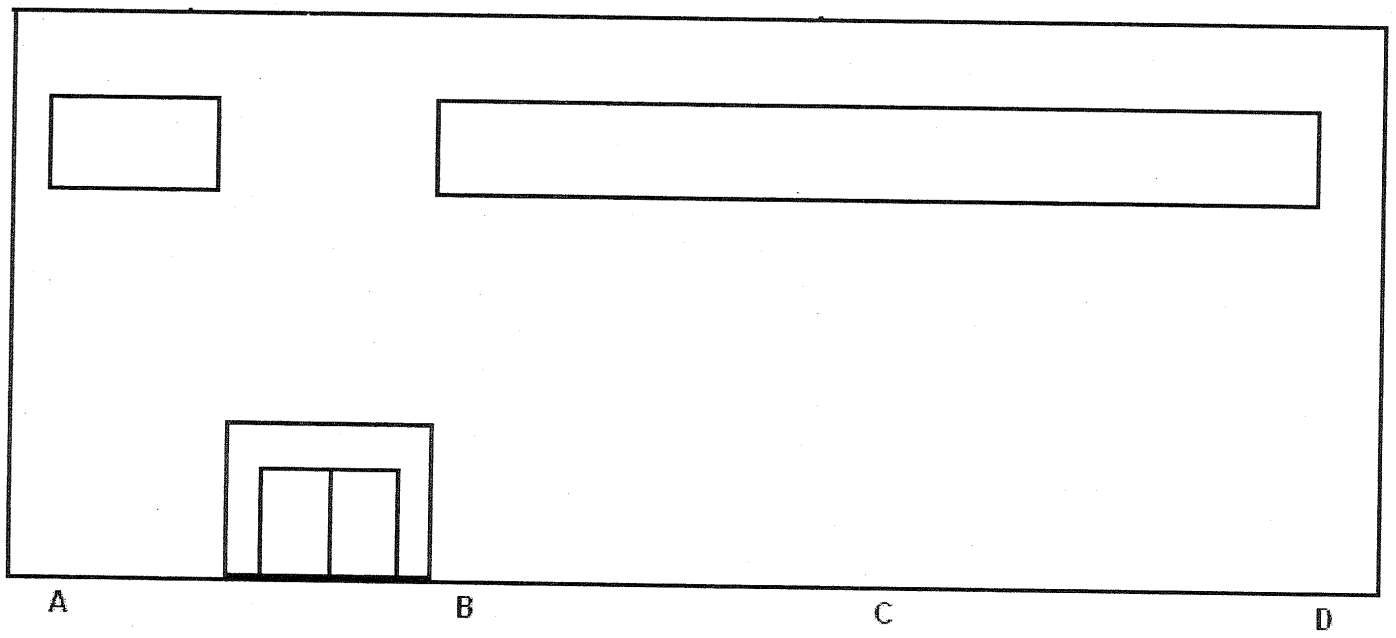


E = Inside lift containment during work activities.



E = Inside lift containment during work activities.

South Wall



E = Inside lift containment during work activities.

APPENDIX B: WASTE MANIFESTS

XXXXX

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAD0014249 85

2. Page 1 of: 1

3. Emergency Response Phone: 800 966 9282

4. Manifest Tracking Number: 003019604 JJK

5. Generator's Name and Mailing Address
MIT - Lincoln Laboratory
244 Wood Street
Lexington, MA 02173
Generator's Phone: (781) 981-2180 Attn: Ray Seaborne

Generator's Site Address (if different than mailing address)
M.I.T. Lincoln Labs
244 Wood Street
Lexington, MA 02420

6. Transporter 1 Company Name: Triumvirate Environmental, Inc.
U.S. EPA ID Number: MAD985286988

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

8. Designated Facility Name and Site Address
CWM Chemical Services
1550 Balmer Road PO Box 200
Model City, NY 14107
Facility's Phone: (800) 843-3604
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ: Polychlorinated biphenyls, solid 9, UN3432, II	008	DM	00922 ~~01584~~	K	~~MA02~~	~~B007~~	L
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1 - (7 x 55) NY295691 : Out of service date: 09/24/2007 2- 3 - 4 -

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

GENERATOR

Generator's/Offeror's Printed/Typed Name: RAYMOND P SEABORNE
Signature: [signature]
Month 10 Day 24 Year 07

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DAN HIGGINS
Signature: [signature]
Month 10 Day 24 Year 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

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

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

XXXXX

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAD0 0 1 4 2 4 9 8 5
2. Page 1 of 1
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 003020847 JJK

5. Generator's Name and Mailing Address
MIT - Lincoln Laboratory
244 Wood Street
Lexington, MA 02173
Generator's Phone: (781) 981-2180 Attn: Ray Seaborne

Generator's Site Address (if different than mailing address)
M.I.T. Lincoln Labs
244 Wood Street
Lexington, MA 02420

6. Transporter 1 Company Name: Triumvirate Environmental, Inc.
U.S. EPA ID Number: MAD9 8 5 2 8 6 9 8 8

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

8. Designated Facility Name and Site Address
CWM Chemical Services
1550 Balmer Road PO Box 200
Model City, NY 14107
Facility's Phone: (800) 843-3604
U.S. EPA ID Number: NYD0 4 9 8 3 6 6 7 9

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ: Polychlorinated biphenyls, solid 9, UN3432, II	009	DM	0534	K	MA02 B007
X	2. RQ: Polychlorinated biphenyls, liquid 9, UN2315, II	001	(TS) DF ~~DM~~	0147	K	~~MA02 B007~~ ~~B007~~ L ~~B~~ B
	3.				~~K~~ bg	
~~X~~	4. ~~RQ: Polychlorinated biphenyls, solid 9, UN3432, II~~ (TS) (Did not ship)		~~DM~~		~~K~~	~~MA02 B007~~ ~~B~~

14. Special Handling Instructions and Additional Information

1 - (x 55) NY295691 2- (x 55) (Out Of Service Date- 10/25/2007) 3- 4-
~~(x 30) NY295691~~ (Out of Service date 10/25/07)
~~(Out of service date 10/25/2007)~~

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Kevin McCarthy
Signature: [signature]
Month Day Year: 11 28 07

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

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tim Stetson
Signature: [signature]
Month Day Year: 11 28 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

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

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

XXXXX

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAD001424985
2. Page 1 of: 1
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 003020322 JJK

5. Generator's Name and Mailing Address
MIT - Lincoln Laboratory
244 Wood Street
Lexington, MA 02173
Generator's Phone: (781) 981-2180 Attn: Ray Seaborne

Generator's Site Address (if different than mailing address)
M.I.T. Lincoln Labs
244 Wood Street
Lexington, MA 02420

6. Transporter 1 Company Name: ~~Triumvirate Environmental, Inc.~~ SH PRICE TRUCKING
U.S. EPA ID Number: ~~MAD983280938~~ NYD046765574

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

8. Designated Facility Name and Site Address
CWM Chemical Services
1550 Balmer Road PO Box 200
Model City, NY 14107
Facility's Phone: (800) 843-3604
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ: Polychlorinated biphenyls, solid 9, UN3432, II	001	CM	EST 10,000	K	~~MA02~~	B007	L
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1 - (1 x Dump Truck) NY295891 : (Out of service date 01/08/08. Unique container number 010808-01) 2- 3-
4 - 81622179 Recd 6976 K PCB Waste ID = PCB contam Caulking

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a ~~small quantity generator) is true.~~

Generator's/Offeror's Printed/Typed Name: KEVIN G PRIESTLEY
Signature:
Month 01 Day 24 Year 08

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: George Arnett
Signature:
Month 01 Day 24 Year 08
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
qty est actual recd 6976 K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Ellen Carter
Signature: Ellen Carter
Month 1 Day 25 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

APPENDIX C: CERTIFICATES OF DISPOSAL

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
P.O. Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

MIT LINCOLN LABORATORY
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
MAD001424985
244 WOOD ST
LEXINGTON MA 02173

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from MIT LINCOLN LABORATORY on 12/11/07 as described on Shipping Document number 003020847JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295691
CWM Tracking ID: 8162053310
CWM Unit #: 1*0 thru 9*0
Disposal Date: 12/14/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 312321
12/20/07

For questions please call
our Customer Service Dept.
at (800) 843-3604

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Printed on 100% post-consumer recycled paper.

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
P.O. Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

MIT LINCOLN LABORATORY
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
MAD001424985
244 WOOD ST
LEXINGTON MA 02173

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from MIT LINCOLN LABORATORY on 11/13/07 as described on Shipping Document number 003019604JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295691
CWM Tracking ID: 8161975413
CWM Unit #: 1*0 thru 8*0
Disposal Date: 11/15/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 311279
11/20/07

For questions please call
our Customer Service Dept.
at (800) 843-3604

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WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
P.O. Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

MIT LINCOLN LABORATORY
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
MAD001424985
244 WOOD ST
LEXINGTON MA 02173

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from MIT LINCOLN LABORATORY on 01/25/08 as described on Shipping Document number 003020322JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295691
CWM Tracking ID: 8162217901
CWM Unit #: 1*0
Disposal Date: 01/25/08

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 314006
01/28/08

For questions please call our Customer Service Dept. at (800) 843-3604

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APPENDIX D: LABORATORY ANALYTICAL DATA

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

November 1, 2007

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

RE: Analytical Results Case Narrative
Lincoln Labs
Analytics # 59851

Dear Ms Wallace:

Enclosed please find the analytical results for samples submitted for the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level II package has been assembled in the following:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- PCB Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- PCB Form 10 Confirmation Results
- PCB Form 3 MS/MSD (LCS) Recoveries
- Chain of Custody (COC) Forms

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

PCBs by EPA Method 8082:
No results were reported below the quantitation limit.

The MS/MSD analyzed on sample 59851-1 (MIT-SW-001) was not evaluated due to high concentration of PCB 1248 detected in the sample. The laboratory control samples (L10087PSOX/LD10087PSOX) were in control for PCB 1016 and PCB 1260. Results were reported without qualification.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 59851

Revision: Rev. 0

Re: Lincoln Labs **210792**

Enclosed are the results of the analyses on your sample(s). Samples were received on 04 October 2007 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
59851-1	09/27/07	MIT-SW-001	EPA 8082 (PCBs only)	
59851-2	09/27/07	MIT-SW-051	EPA 8082 (PCBs only)	
59851-3	10/04/07	MIT-SW-002	EPA 8082 (PCBs only)	
59851-4	10/04/07	MIT-SW-003	EPA 8082 (PCBs only)	
59851-5	10/04/07	MIT-SW-004	EPA 8082 (PCBs only)	
59851-6	10/04/07	MIT-SW-005	EPA 8082 (PCBs only)	
59851-7	10/04/07	MIT-SW-006	EPA 8082 (PCBs only)	
59851-8	10/04/07	MIT-SW-007	EPA 8082 (PCBs only)	
59851-9	10/04/07	MIT-SW-008	EPA 8082 (PCBs only)	
59851-10	10/04/07	MIT-SW-009	EPA 8082 (PCBs only)	
59851-11	10/04/07	MIT-SW-010	EPA 8082 (PCBs only)	
59851-12	10/04/07	MIT-SW-011	EPA 8082 (PCBs only)	
59851-13	10/04/07	MIT-SW-012	EPA 8082 (PCBs only)	
59851-14	10/04/07	MIT-SW-013	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Pennsylvania, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 10/18/2007

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

PCB
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

November 2, 2007

SAMPLE DATA

Lab Sample ID: B100807PSOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/07
Analysis Date: 10/13/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	89	%
Decachlorobiphenyl	116	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

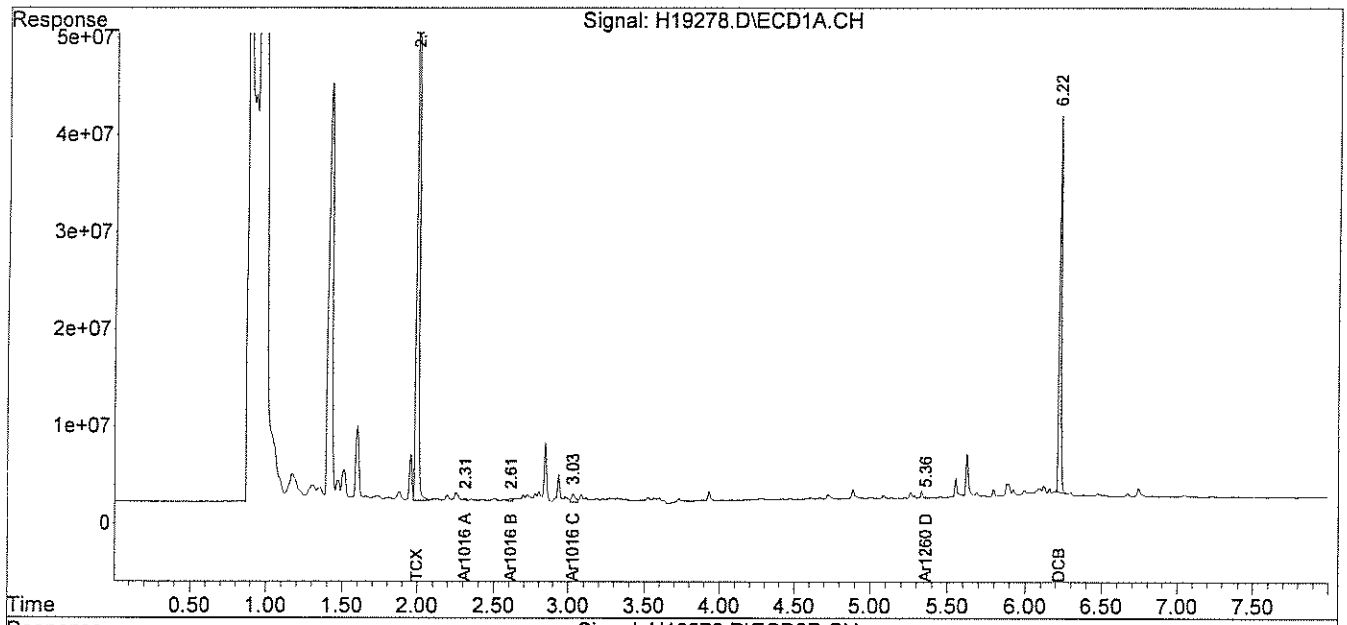
Authorized signature

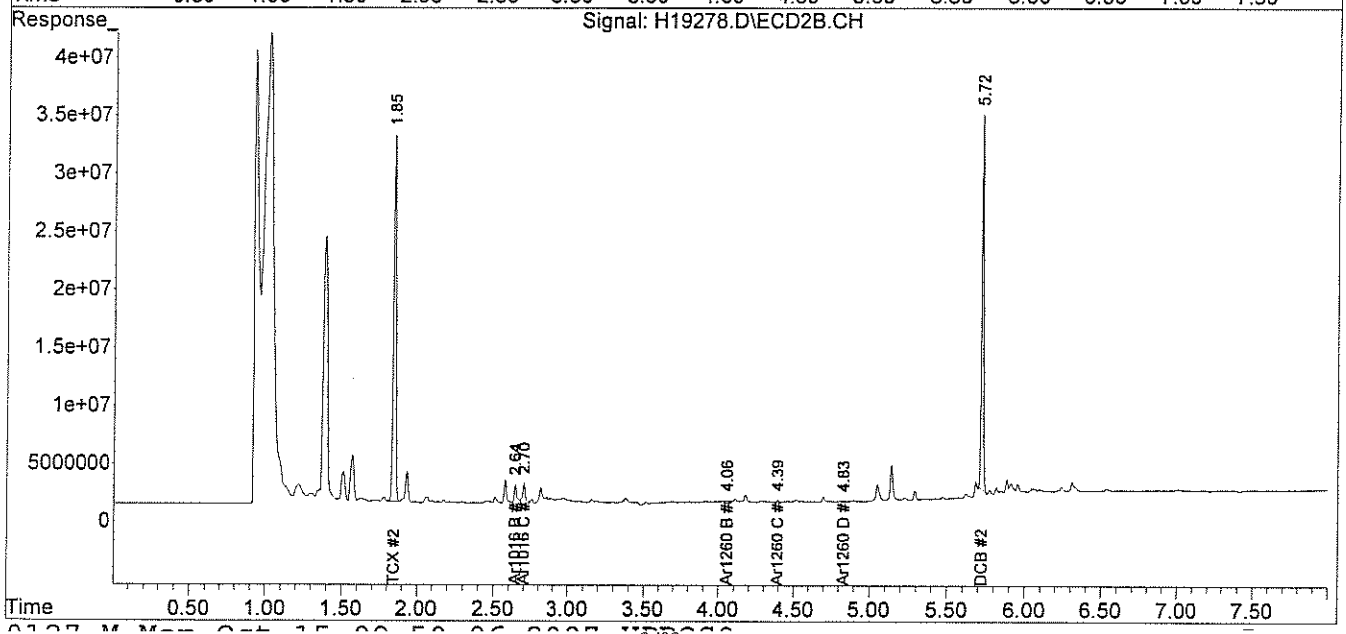
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101207-H\
Data File : H19278.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Oct 2007 1:46 am
Operator :
Sample : B10087PSOX, A/C
Misc : SOIL
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 15 09:50:06 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ10127.M
Quant Title : Aroclor 1016/1260
QLast Update : Fri Oct 12 13:27:15 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 2, 2007

SAMPLE DATA

Lab Sample ID: B101007PAS
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/07
Analysis Date: 10/15/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	95	%
Decachlorobiphenyl	119	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

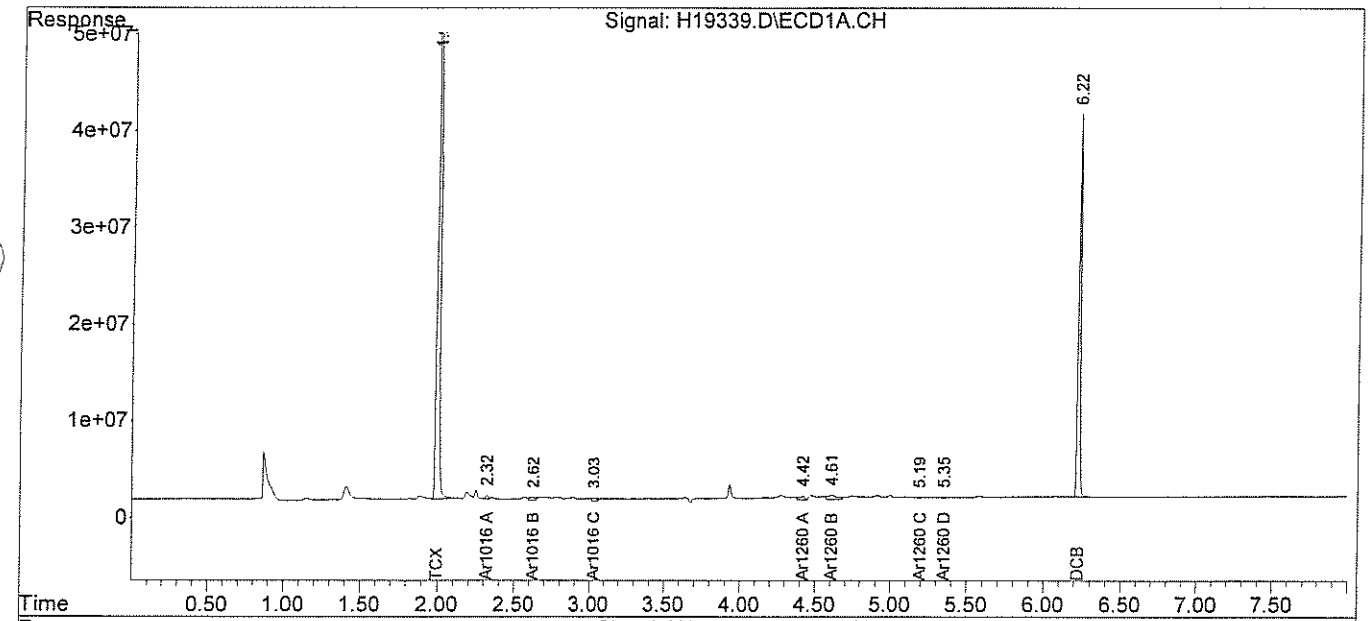
Authorized signature

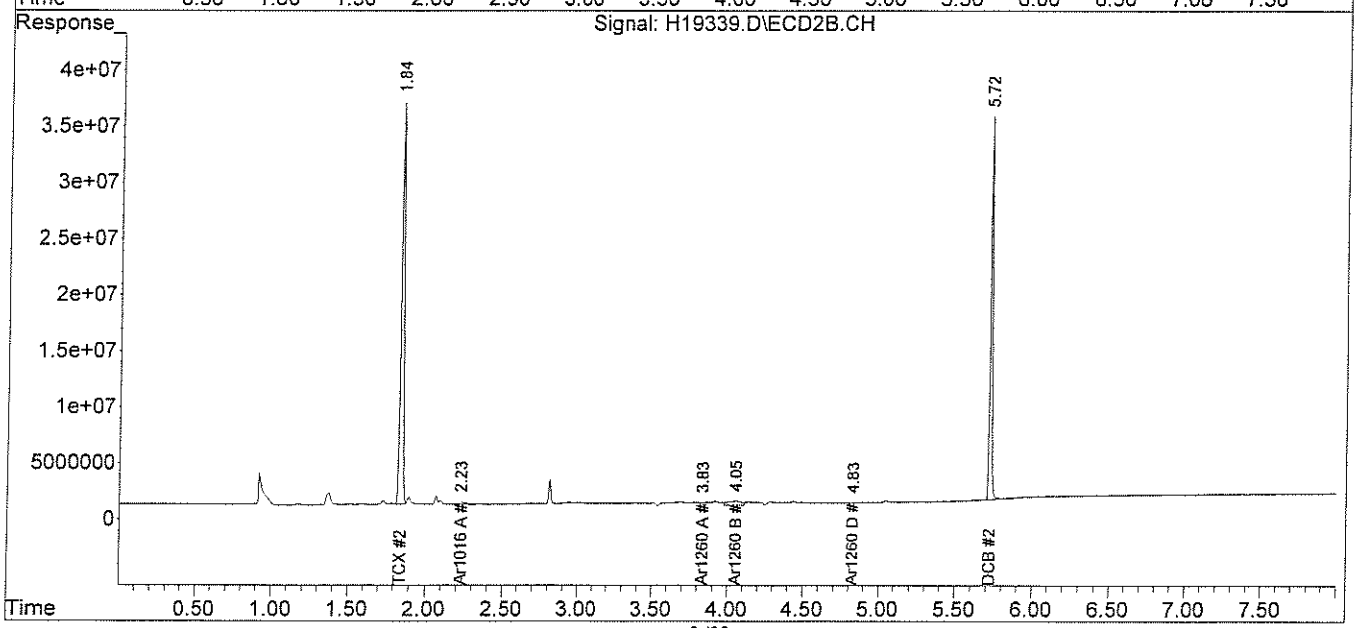
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101507-H\
Data File : H19339.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2007 9:08 pm
Operator :
Sample : B10107PAS, A/C, RR
Misc : SOIL
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 16 08:24:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ10127.M
Quant Title : Aroclor 1016/1260
QLast Update : Fri Oct 12 13:27:15 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 2, 2007

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: Lab QC

SAMPLE DATA

Lab Sample ID: B100807PSOX RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/07
Analysis Date: 10/16/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	93	%
Decachlorobiphenyl	118	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

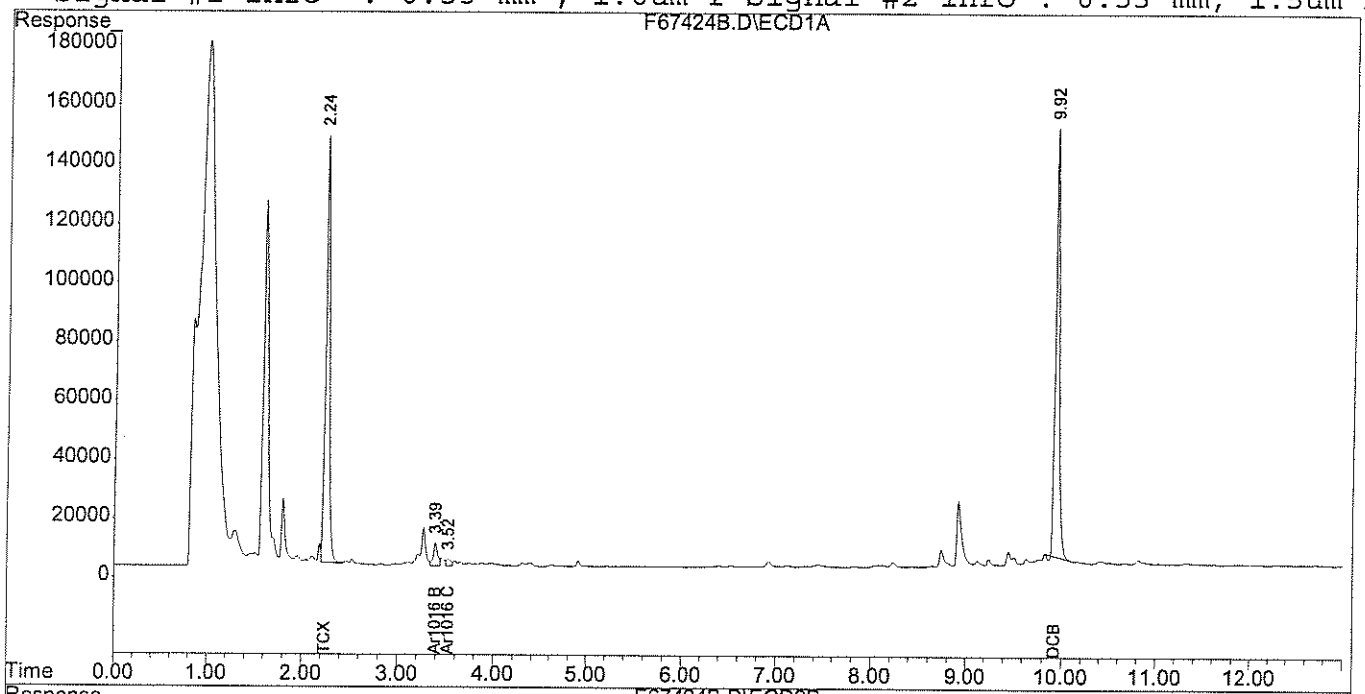
Authorized signature

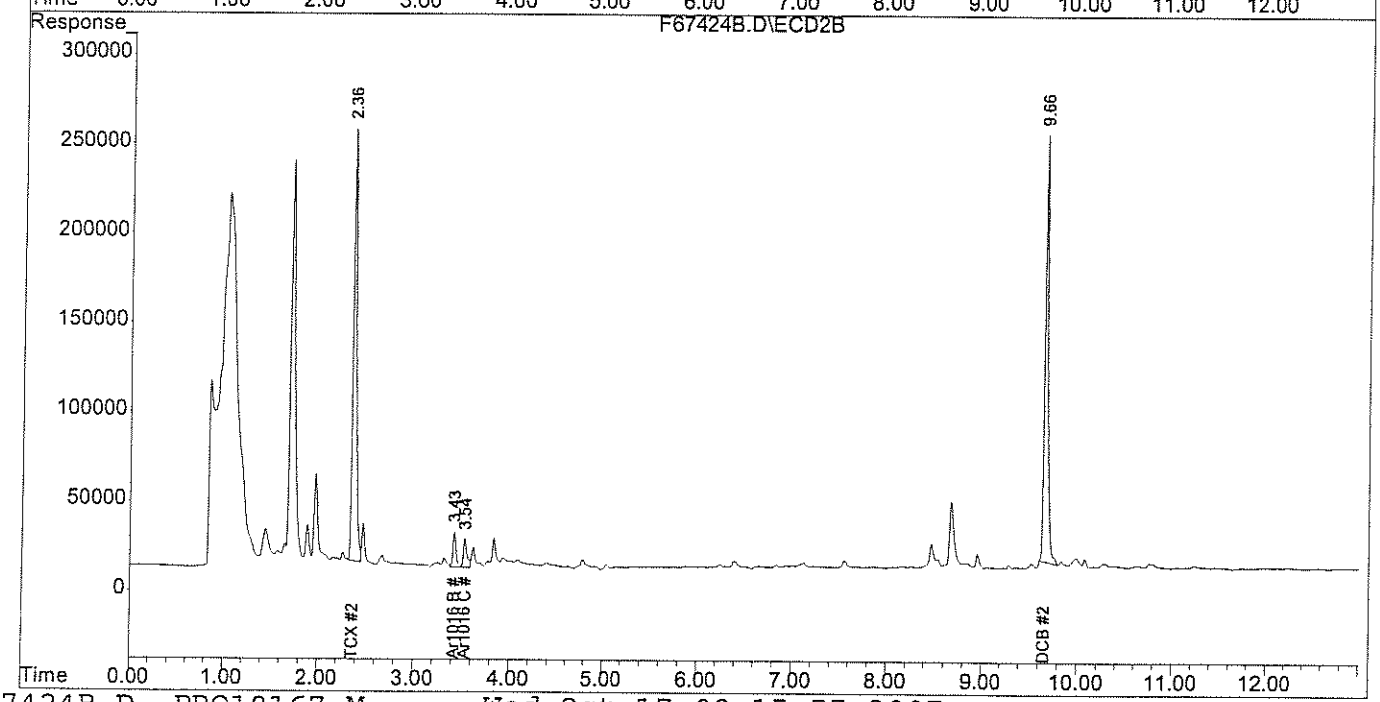
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\2\DATA\101607-F\F67424B.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\2\DATA\101607-F\F67424B.D\ECD2B.CH
Acq On : 16 Oct 2007 5:32 pm Operator:
Sample : B10087PCBSOX,,RR Inst : Instrumen
Misc : SOIL Multiplr: 1.00
IntFile Signal #1: PCBINT.E IntFile Signal #2: PCBINT2.E
Quant Time: Oct 17 8:15 2007 Quant Results File: PBQ10167.RES

Quant Method : C:\HPCHEM\2\METHODS\PBQ10167.M (Chemstation Integrator)
Title : Aroclor 1016/1260
Last Update : Tue Oct 16 15:05:25 2007
Response via : Multiple Level Calibration
DataAcq Meth : PSTQUICK.M

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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October 18, 2007

SAMPLE DATA

Lab Sample ID: 59851-1
Matrix: Solid
Percent Solid: 96
Dilution Factor: 5100
Collection Date: 09/27/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/16/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-001

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	168000	U
PCB-1221	168000	U
PCB-1232	168000	U
PCB-1242	168000	U
PCB-1248	168000	**559000**
PCB-1254	168000	U
PCB-1260	168000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

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PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-1,,5000X

Data File: F67427.D

Dilution Factor: 5103.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	558609	545807	2.3	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

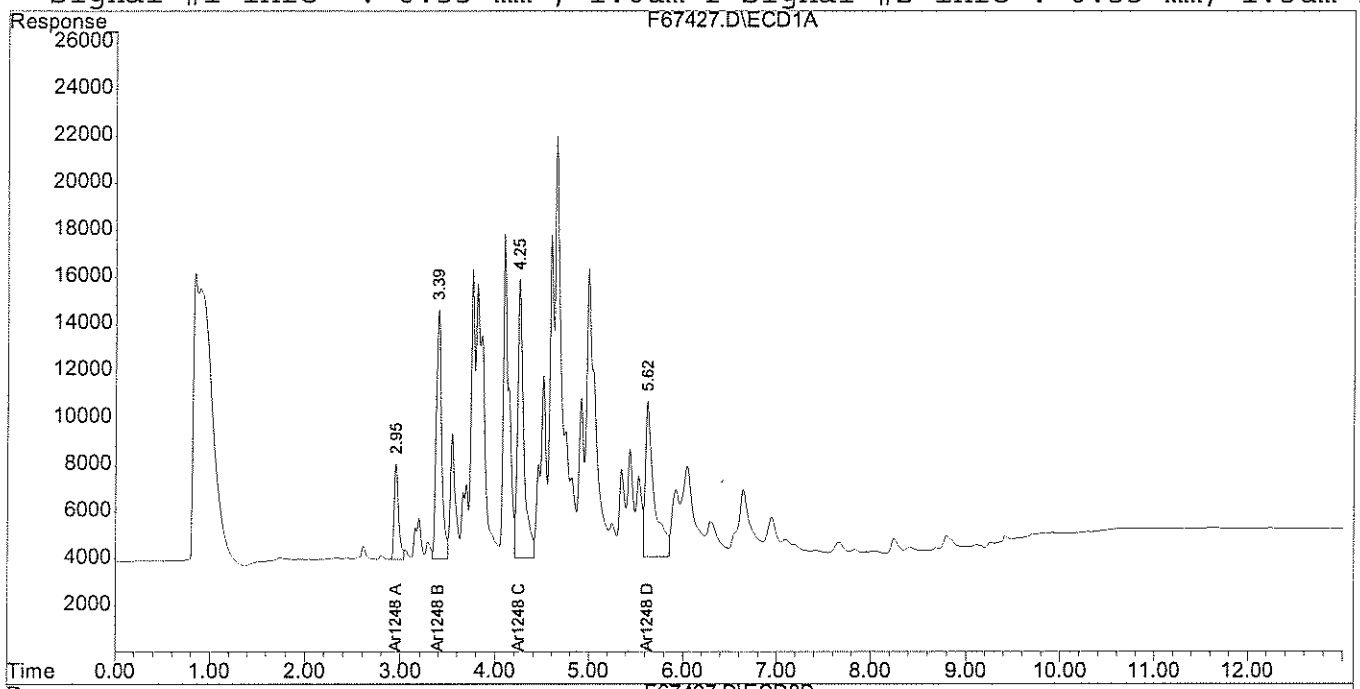
Comments: _____

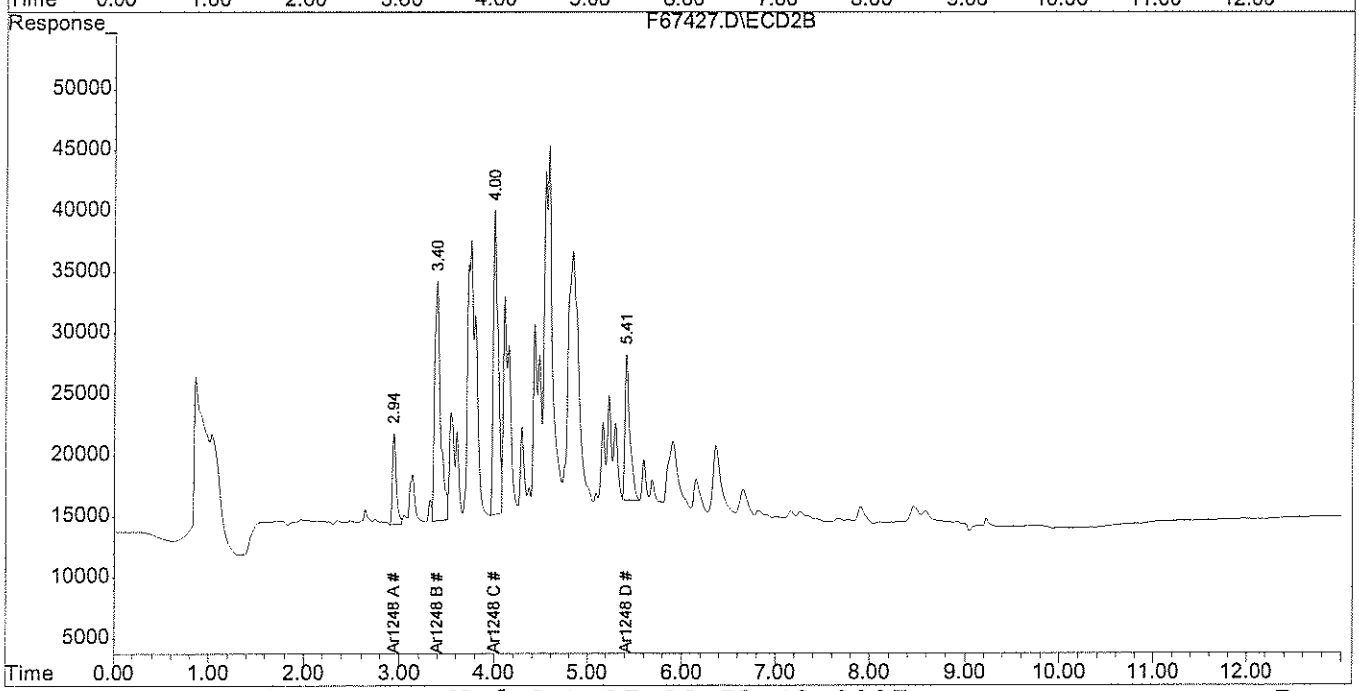
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\2\DATA\101607-F\F67427.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\2\DATA\101607-F\F67427.D\ECD2B.CH
Acq On : 16 Oct 2007 6:16 pm Operator:
Sample : 59851-1,,5000X Inst : Instrumen
Misc : SOIL Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 17 8:53 2007 Quant Results File: 48S10167.RES

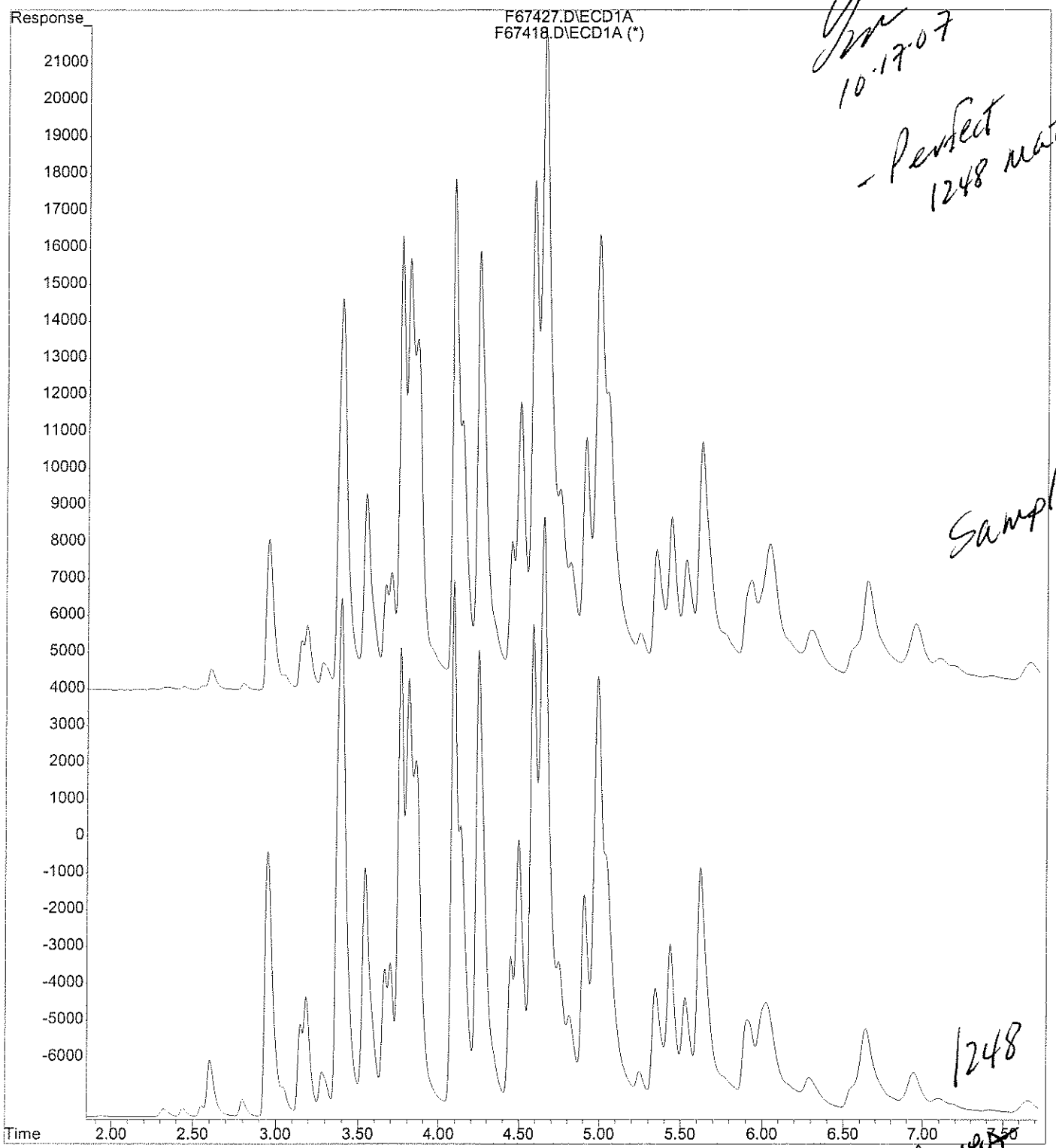
Quant Method : C:\HPCHEM\2\METHODS\48S10167.M (Chemstation Integrator)
Title : Aroclor 1248
Last Update : Wed Oct 17 08:43:05 2007
Response via : Single Level Calibration
DataAcq Meth : PSTQUICK.M

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File : C:\HPCHEM\2\DATA\101607-F\F67427.D
Operator :
Acquired : 16 Oct 2007 6:16 pm using AcqMethod PSTQUICK.M
Instrument : Instrumen
Sample Name: 59851-1,,5000X
Misc Info : SOIL
Vial Number: 19



10-17-07
- Perfect 1248 match.

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SAMPLE DATA

Lab Sample ID: 59851-2
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1010
Collection Date: 09/27/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/15/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-051

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33300	U
PCB-1221	33300	U
PCB-1232	33300	U
PCB-1242	33300	U
PCB-1248	33300	**375000**
PCB-1254	33300	U
PCB-1260	33300	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-2,A/C,DL,1:1000

Data File: H19344.D

Dilution Factor: 1014.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	374879	349546	7.0	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

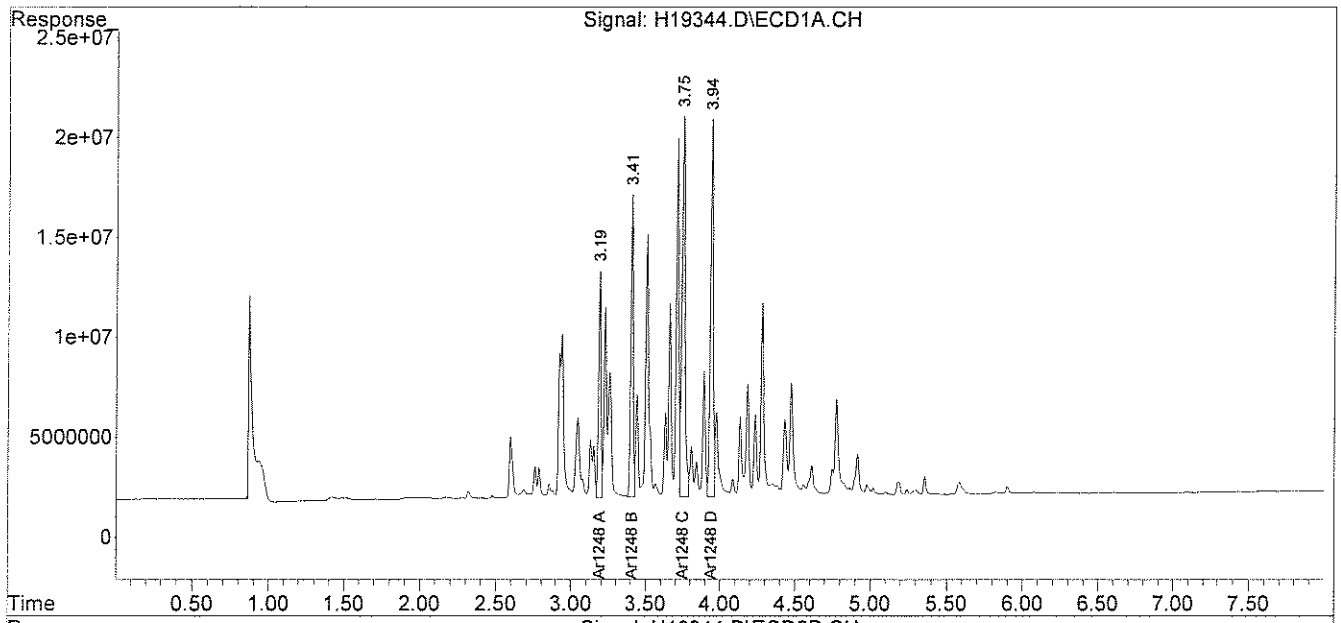
Comments: _____

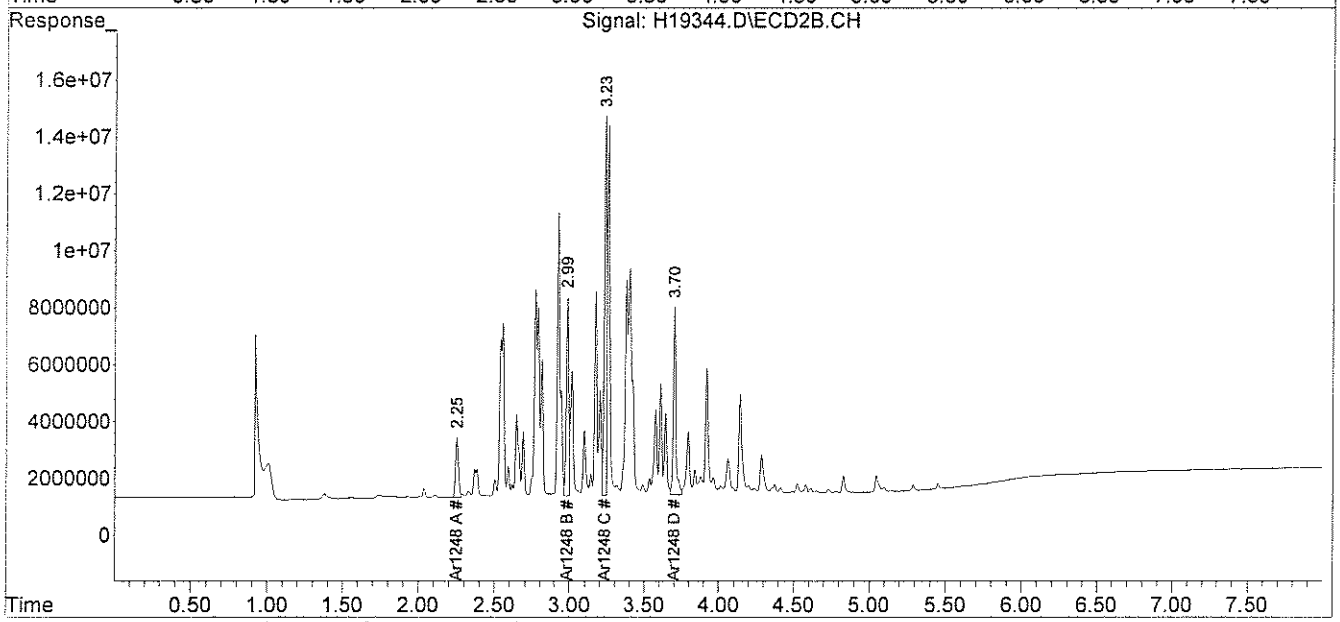
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101507-H\
Data File : H19344.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2007 10:01 pm
Operator :
Sample : 59851-2,A/C,DL,1:1000
Misc : SOIL
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 16 14:31:39 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP10127H.M
Quant Title : Aroclor 1248
QLast Update : Tue Oct 16 13:57:26 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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October 18, 2007

SAMPLE DATA

Lab Sample ID: 59851-3
Matrix: Solid
Percent Solid: 95
Dilution Factor: 5200
Collection Date: 10/04/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/16/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-002

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	172000	U
PCB-1221	172000	U
PCB-1232	172000	U
PCB-1242	172000	U
PCB-1248	172000	**816000**
PCB-1254	172000	U
PCB-1260	172000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

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PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-3,,5000X

Data File: F67428.D

Dilution Factor: 5201.4

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	786073	816120	3.8	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

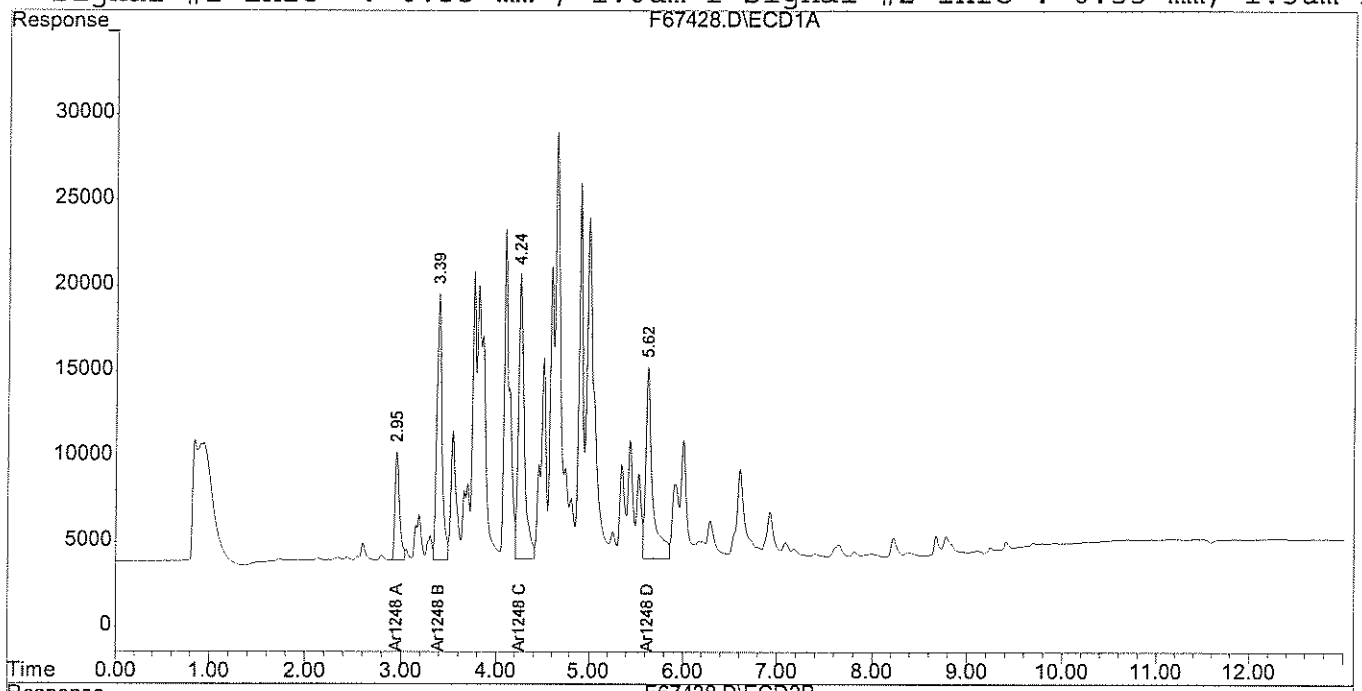
Comments: _____

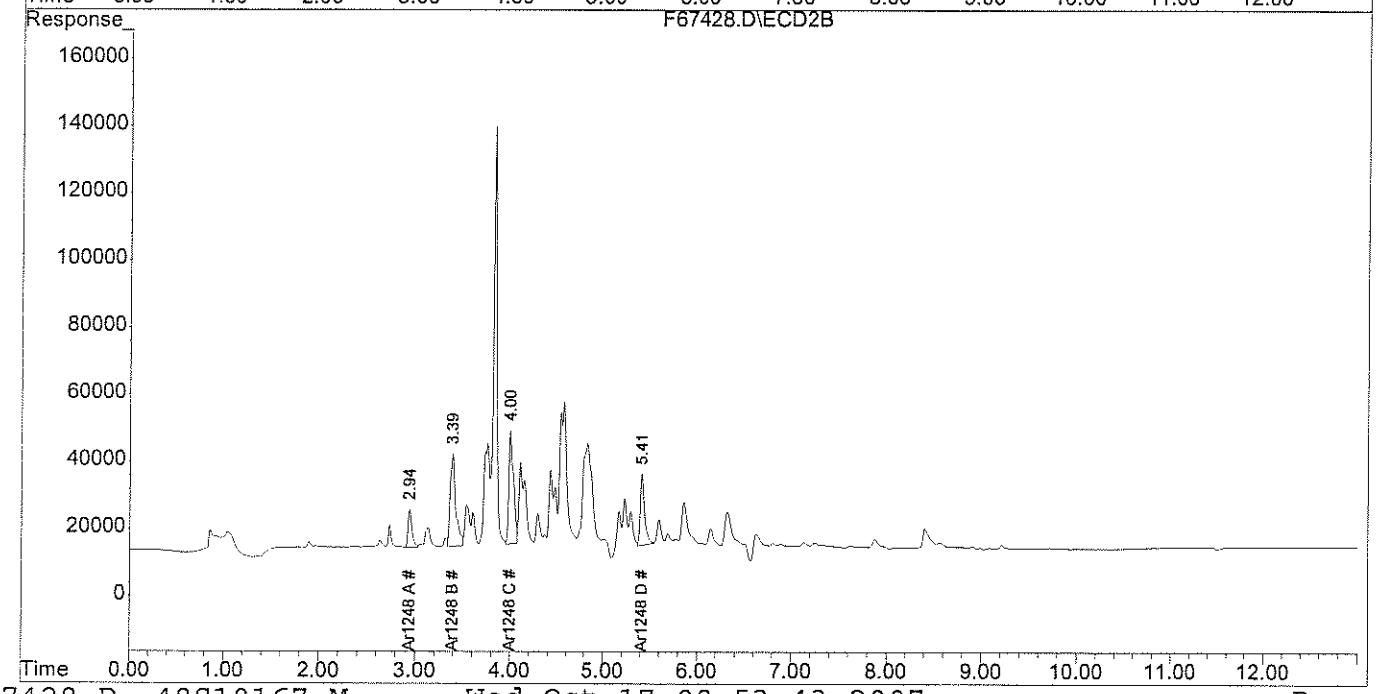
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\2\DATA\101607-F\F67428.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\2\DATA\101607-F\F67428.D\ECD2B.CH
Acq On : 16 Oct 2007 6:45 pm Operator:
Sample : 59851-3,,5000X Inst : Instrumen
Misc : SOIL Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 17 8:53 2007 Quant Results File: 48S10167.RES

Quant Method : C:\HPCHEM\2\METHODS\48S10167.M (Chemstation Integrator)
Title : Aroclor 1248
Last Update : Wed Oct 17 08:43:05 2007
Response via : Single Level Calibration
DataAcq Meth : PSTQUICK.M

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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October 18, 2007

SAMPLE DATA

Lab Sample ID: 59851-4
Matrix: Solid
Percent Solid: 97
Dilution Factor: 4880
Collection Date: 10/04/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/16/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-003

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	161000	U
PCB-1221	161000	U
PCB-1232	161000	U
PCB-1242	161000	U
PCB-1248	161000	**662000**
PCB-1254	161000	U
PCB-1260	161000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

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PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-4,,5000X

Data File: F67429.D

Dilution Factor: 4879.5

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	608592	661998	8.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

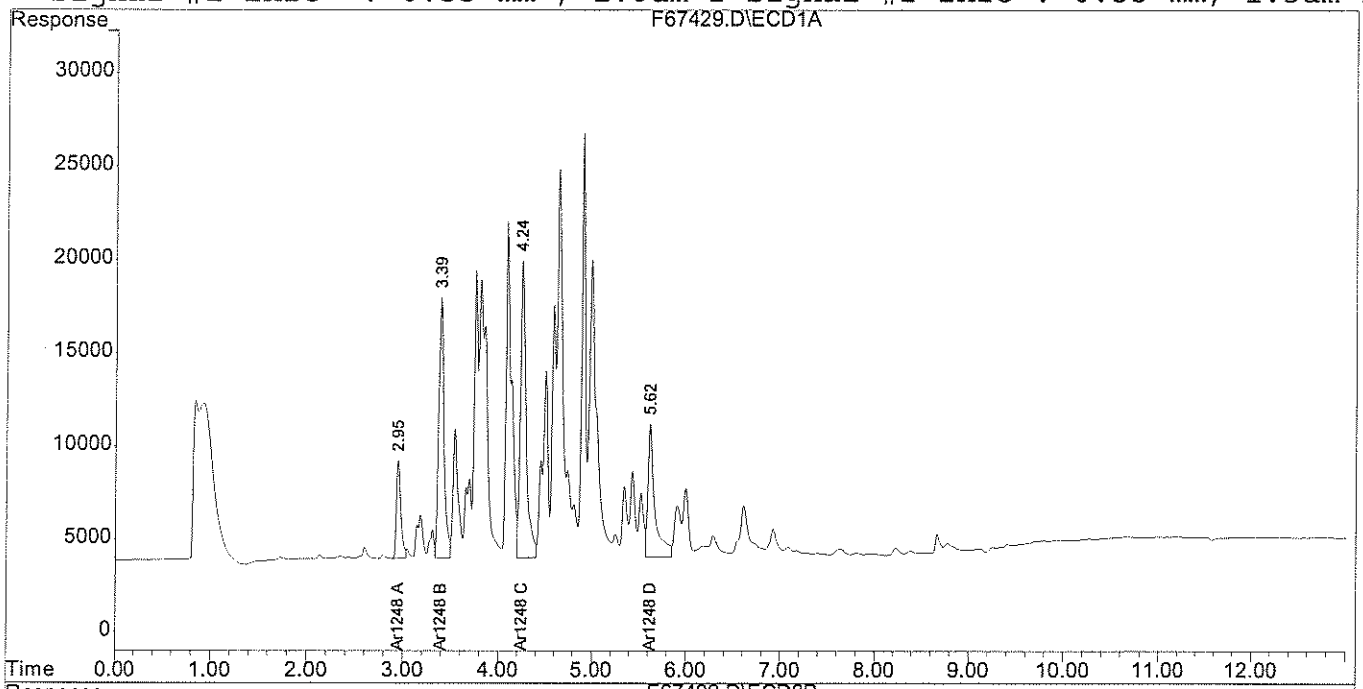
Comments: _____

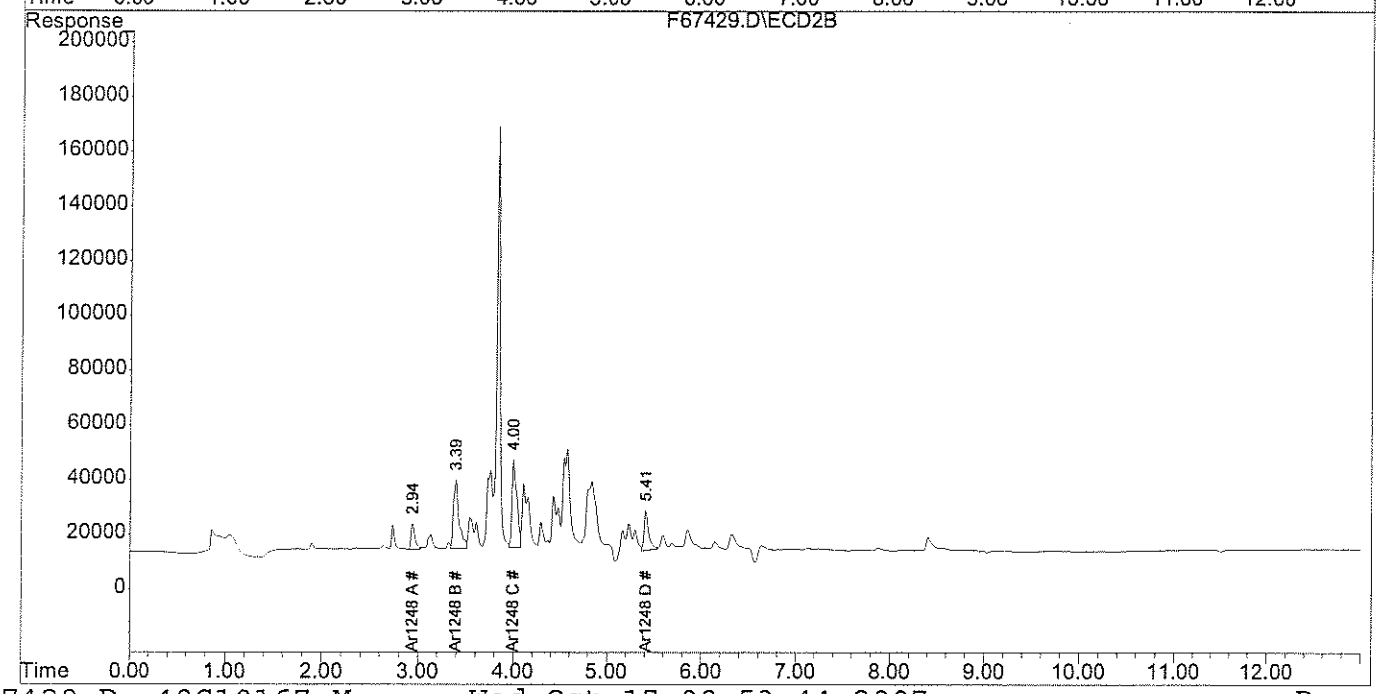
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\2\DATA\101607-F\F67429.D\ECD1A.CH Vial: 21
Signal #2 : C:\HPCHEM\2\DATA\101607-F\F67429.D\ECD2B.CH
Acq On : 16 Oct 2007 7:00 pm Operator:
Sample : 59851-4,,5000X Inst : Instrumen
Misc : SOIL Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 17 8:53 2007 Quant Results File: 48S10167.RES

Quant Method : C:\HPCHEM\2\METHODS\48S10167.M (Chemstation Integrator)
Title : Aroclor 1248
Last Update : Wed Oct 17 08:43:05 2007
Response via : Single Level Calibration
DataAcq Meth : PSTQUICK.M

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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October 18, 2007

SAMPLE DATA

Lab Sample ID: 59851-5
Matrix: Solid
Percent Solid: 98
Dilution Factor: 1020
Collection Date: 10/04/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/15/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-004

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33700	U
PCB-1221	33700	U
PCB-1232	33700	U
PCB-1242	33700	U
PCB-1248	33700	**358000**
PCB-1254	33700	U
PCB-1260	33700	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

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PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-5,A/C,DL,1:1000

Data File: H19347.D

Dilution Factor: 1018.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	357712	338873	5.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

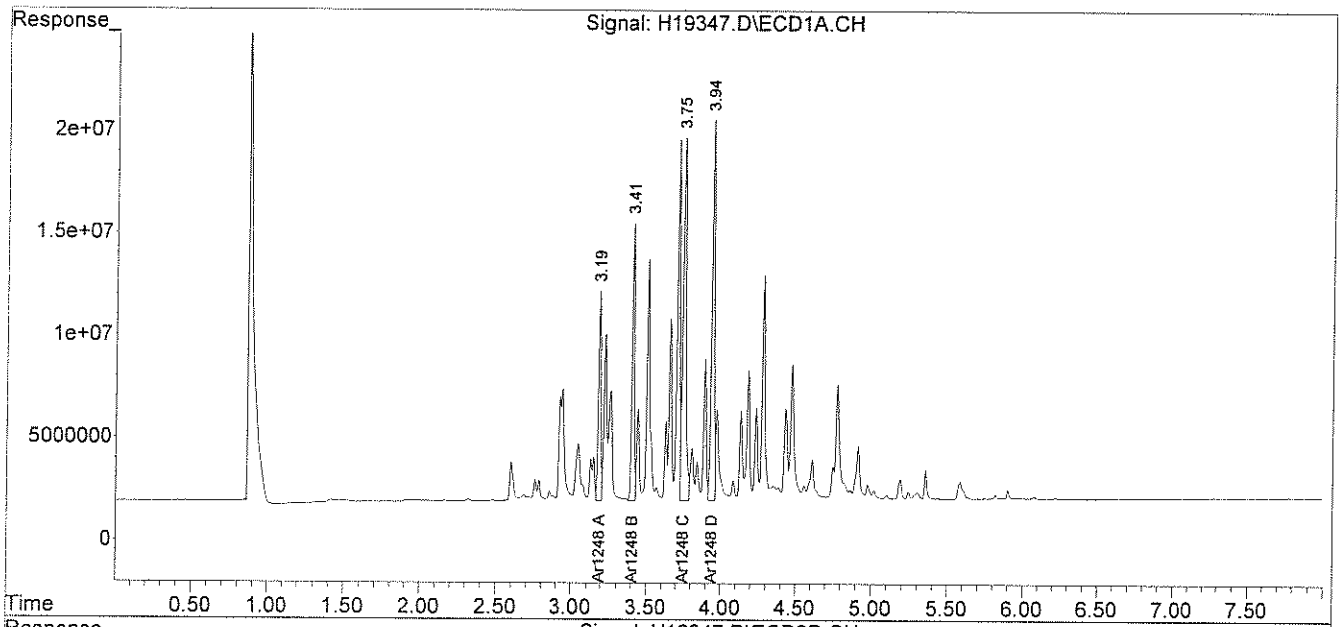
Comments: _____

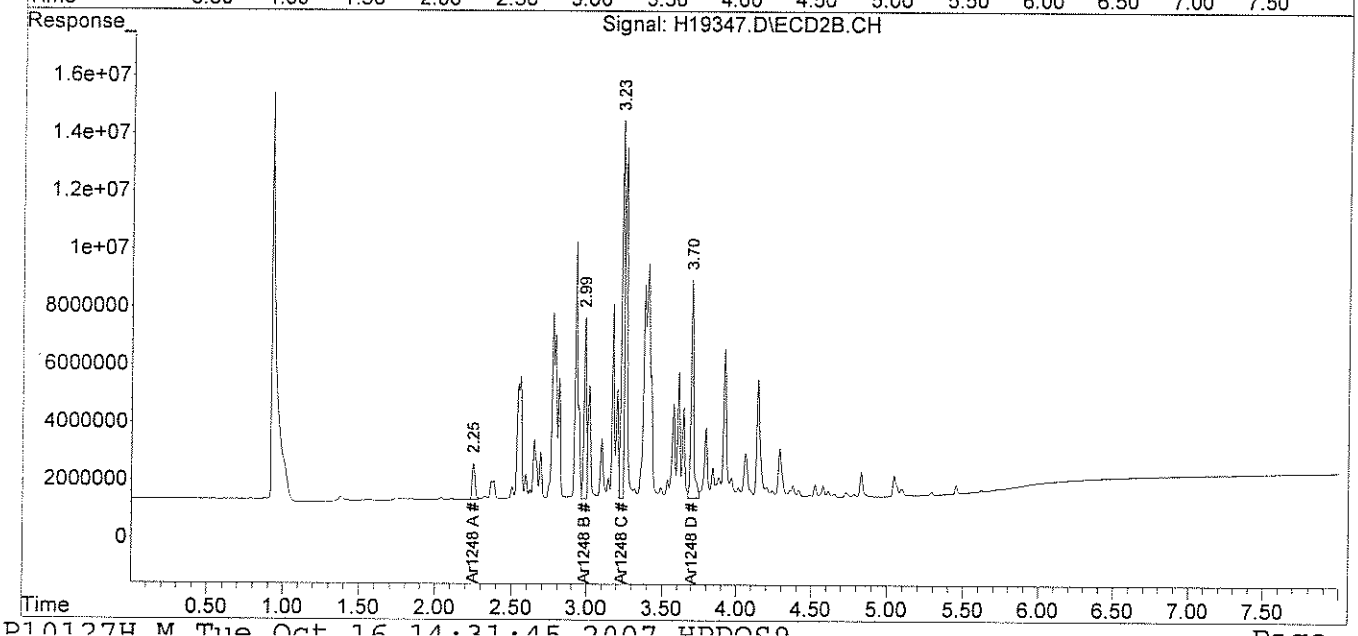
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101507-H\
Data File : H19347.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2007 10:32 pm
Operator :
Sample : 59851-5,A/C,DL,1:1000
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 16 14:31:45 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP10127H.M
Quant Title : Aroclor 1248
QLast Update : Tue Oct 16 13:57:26 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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October 18, 2007

SAMPLE DATA

Lab Sample ID: 59851-6
Matrix: Solid
Percent Solid: 97
Dilution Factor: 5080
Collection Date: 10/04/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/16/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-005

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	168000	U
PCB-1221	168000	U
PCB-1232	168000	U
PCB-1242	168000	U
PCB-1248	168000	**860000**
PCB-1254	168000	U
PCB-1260	168000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-6,,5000X

Data File: F67430.D

Dilution Factor: 5074.9

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	852238	860159	0.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

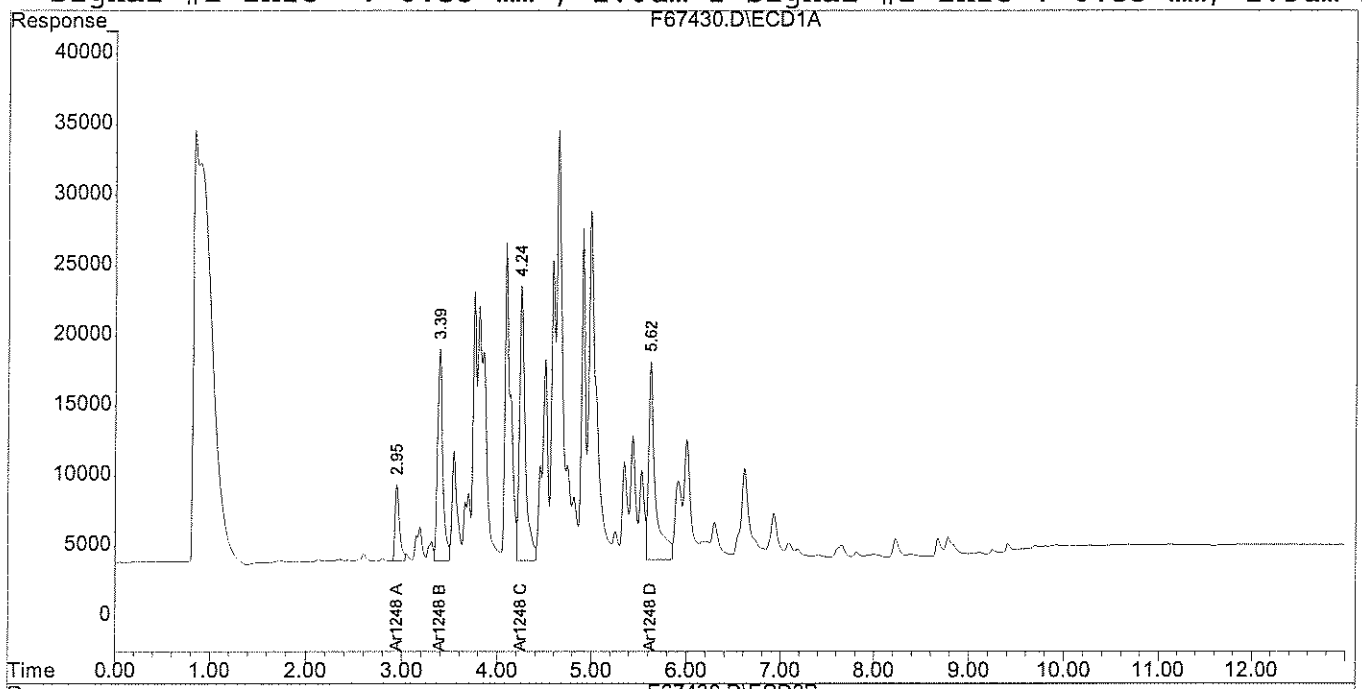
Comments: _____

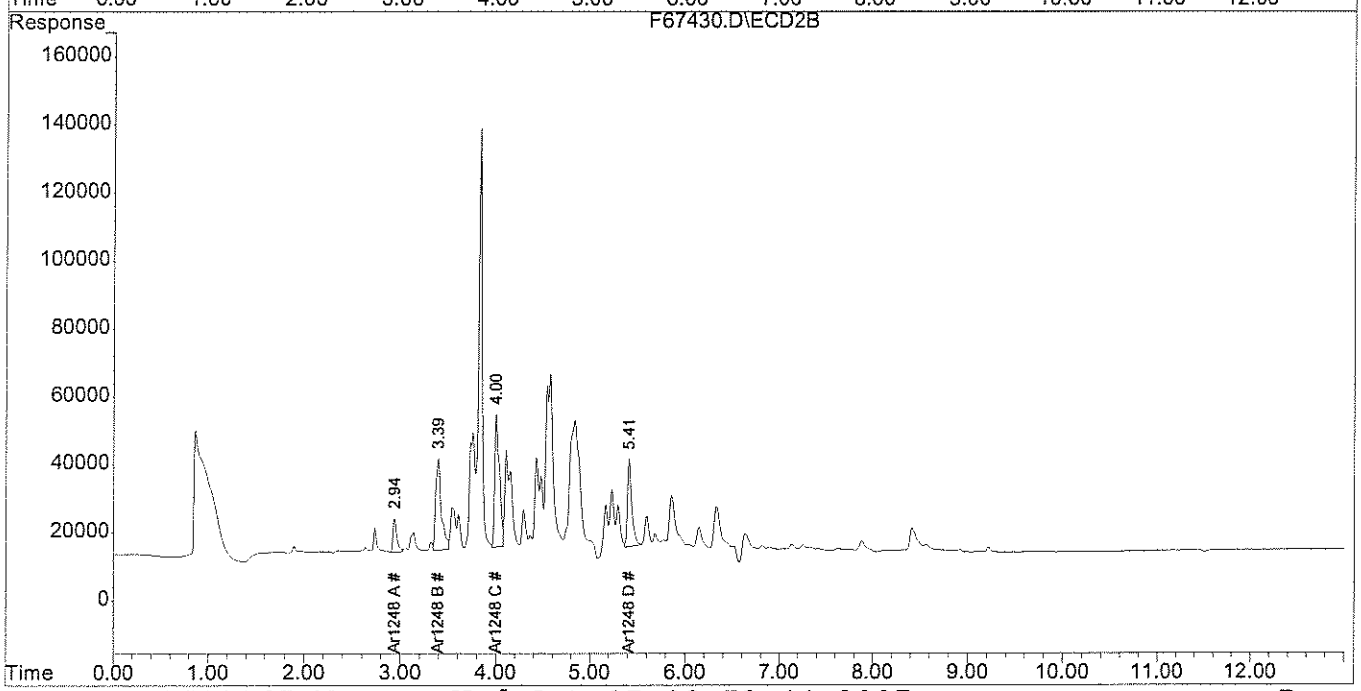
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\2\DATA\101607-F\F67430.D\ECD1A.CH Vial: 22
Signal #2 : C:\HPCHEM\2\DATA\101607-F\F67430.D\ECD2B.CH
Acq On : 16 Oct 2007 7:14 pm Operator:
Sample : 59851-6,,5000X Inst : Instrumen
Misc : SOIL Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 17 8:53 2007 Quant Results File: 48S10167.RES

Quant Method : C:\HPCHEM\2\METHODS\48S10167.M (Chemstation Integrator)
Title : Aroclor 1248
Last Update : Wed Oct 17 08:43:05 2007
Response via : Single Level Calibration
DataAcq Meth : PSTQUICK.M

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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SAMPLE DATA

Lab Sample ID: 59851-7
Matrix: Solid
Percent Solid: 96
Dilution Factor: 5090
Collection Date: 10/04/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/16/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-006

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	168000	U
PCB-1221	168000	U
PCB-1232	168000	U
PCB-1242	168000	U
PCB-1248	168000	**784000**
PCB-1254	168000	U
PCB-1260	168000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

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PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-7,,5000X

Data File: F67431.D

Dilution Factor: 5091.6

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	737543	783823	6.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

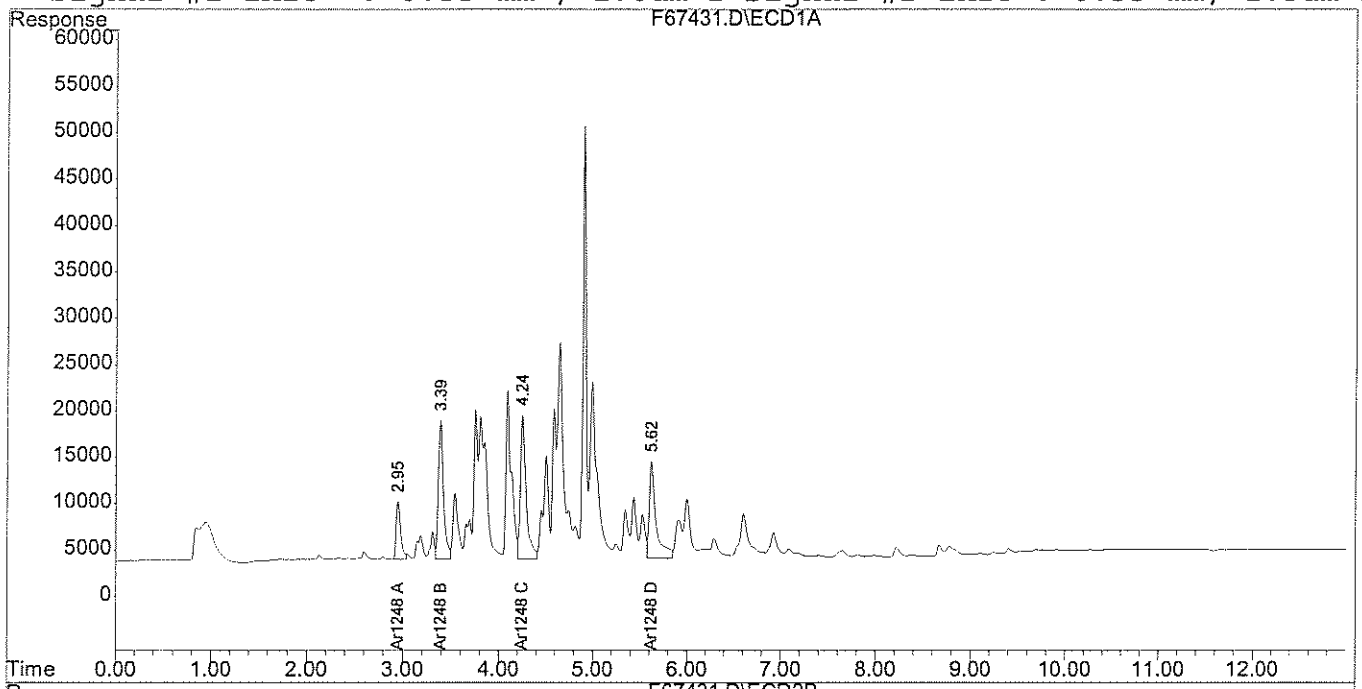
Comments: _____

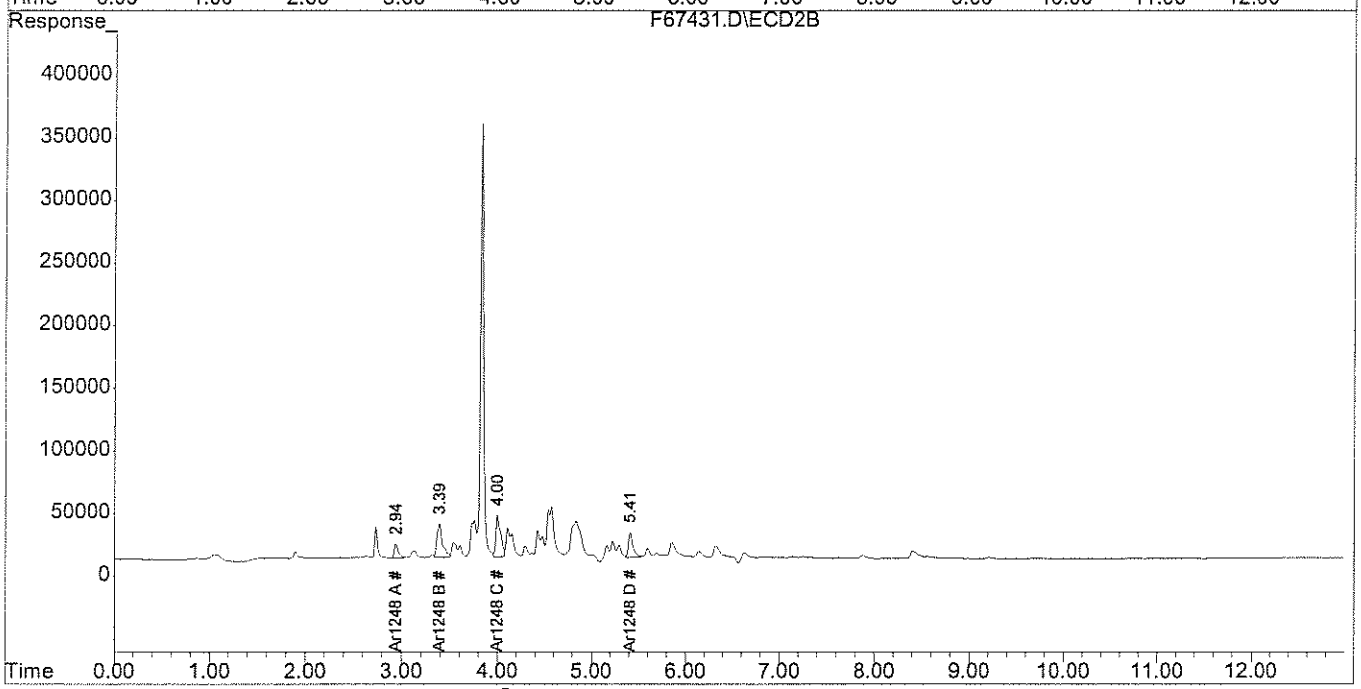
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\2\DATA\101607-F\F67431.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\2\DATA\101607-F\F67431.D\ECD2B.CH
Acq On : 16 Oct 2007 7:29 pm Operator:
Sample : 59851-7,,5000X Inst : Instrumen
Misc : SOIL Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 17 8:53 2007 Quant Results File: 48S10167.RES

Quant Method : C:\HPCHEM\2\METHODS\48S10167.M (Chemstation Integrator)
Title : Aroclor 1248
Last Update : Wed Oct 17 08:43:05 2007
Response via : Single Level Calibration
DataAcq Meth : PSTQUICK.M

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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October 18, 2007

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: MIT-SW-007

SAMPLE DATA

Lab Sample ID: 59851-8
Matrix: Solid
Percent Solid: 97
Dilution Factor: 2040
Collection Date: 10/04/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/16/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	67300	U
PCB-1221	67300	U
PCB-1232	67300	U
PCB-1242	67300	U
PCB-1248	67300	**442000**
PCB-1254	67300	U
PCB-1260	67300	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

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PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-8,,2000X

Data File: F67432.D

Dilution Factor: 2038.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	442175	433741	1.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

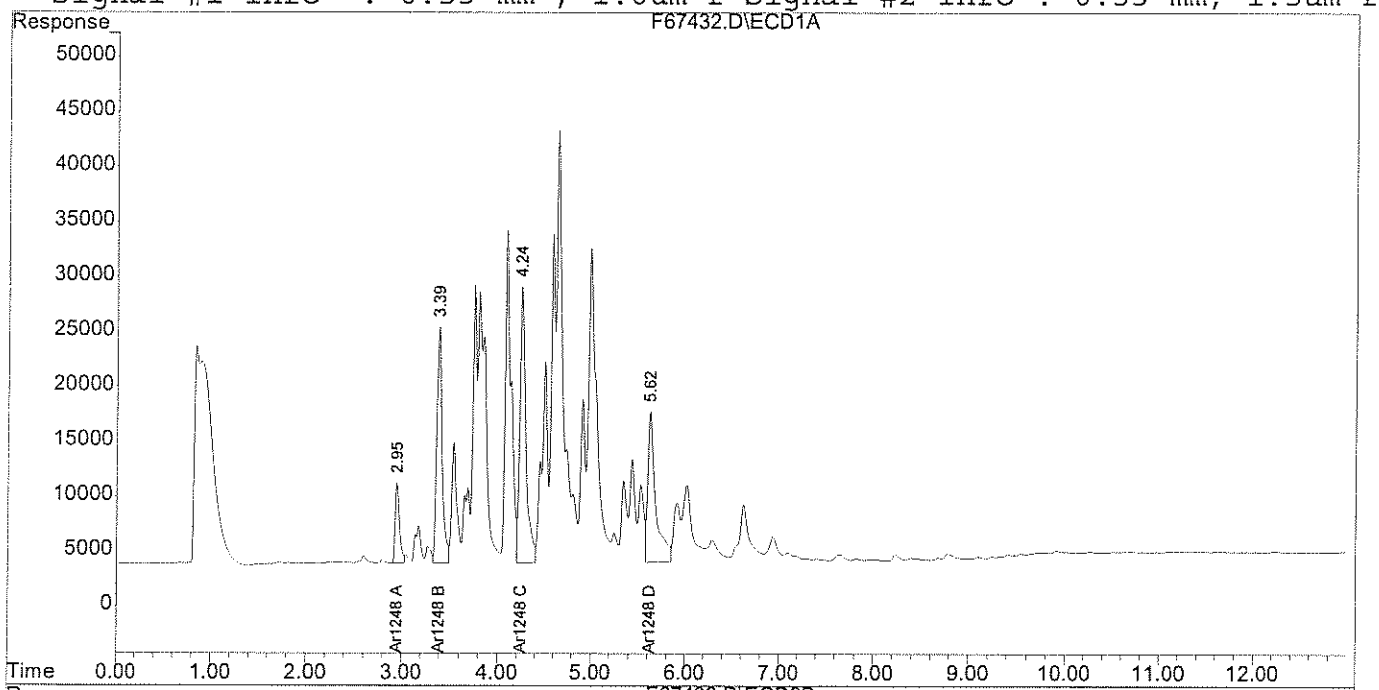
Comments: _____

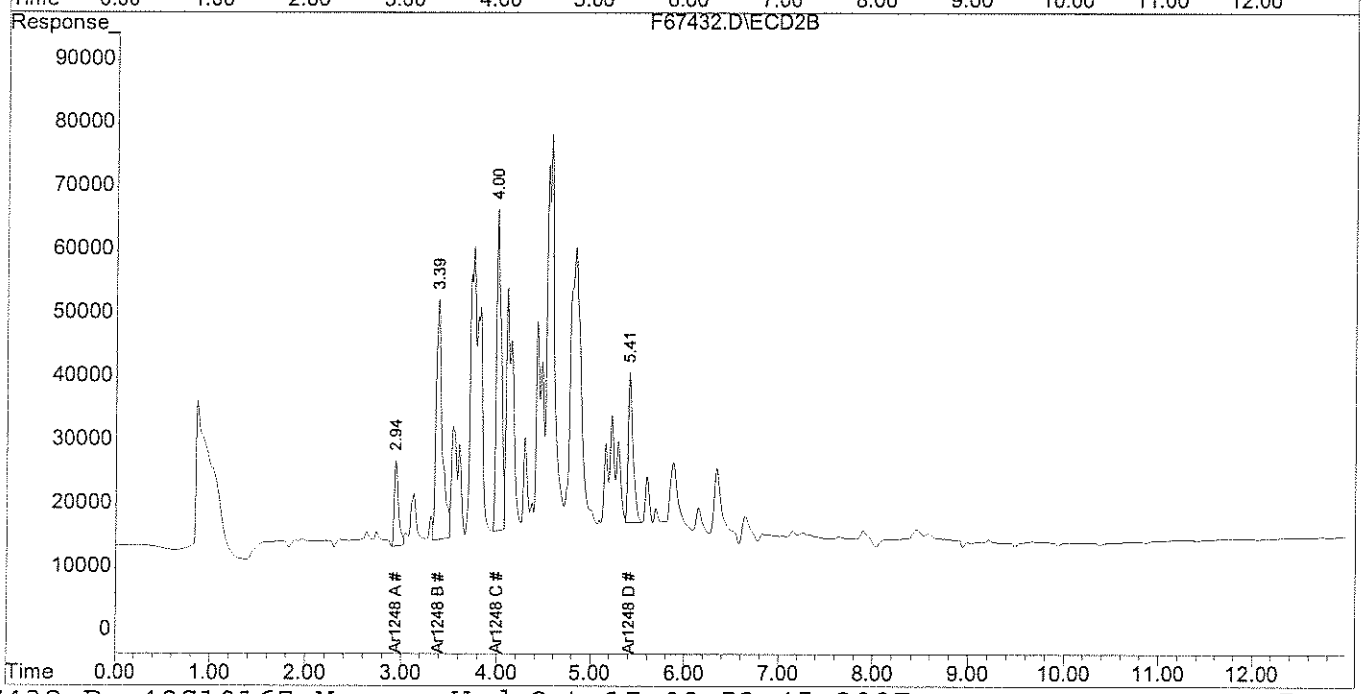
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\2\DATA\101607-F\F67432.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\2\DATA\101607-F\F67432.D\ECD2B.CH
Acq On : 16 Oct 2007 7:42 pm Operator:
Sample : 59851-8,,2000X Inst : Instrumen
Misc : SOIL Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 17 8:53 2007 Quant Results File: 48S10167.RES

Quant Method : C:\HPCHEM\2\METHODS\48S10167.M (Chemstation Integrator)
Title : Aroclor 1248
Last Update : Wed Oct 17 08:43:05 2007
Response via : Single Level Calibration
DataAcq Meth : PSTQUICK.M

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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October 18, 2007

SAMPLE DATA

Lab Sample ID: 59851-9
Matrix: Solid
Percent Solid: 97
Dilution Factor: 1000
Collection Date: 10/04/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/15/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-008

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33000	U
PCB-1221	33000	U
PCB-1232	33000	U
PCB-1242	33000	U
PCB-1248	33000	**268000**
PCB-1254	33000	U
PCB-1260	33000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

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PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-9,A/C,DL,1:1000

Data File: H19351.D

Dilution Factor: 1002.5

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	267535	253081	5.6	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

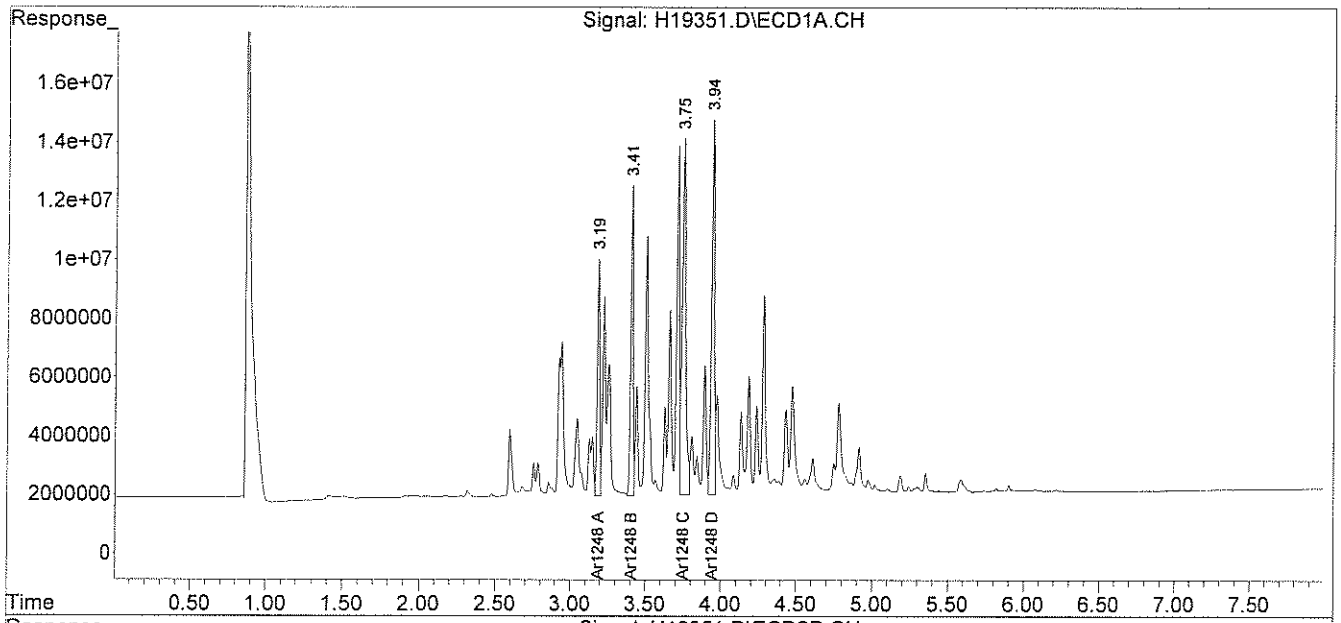
Comments: _____

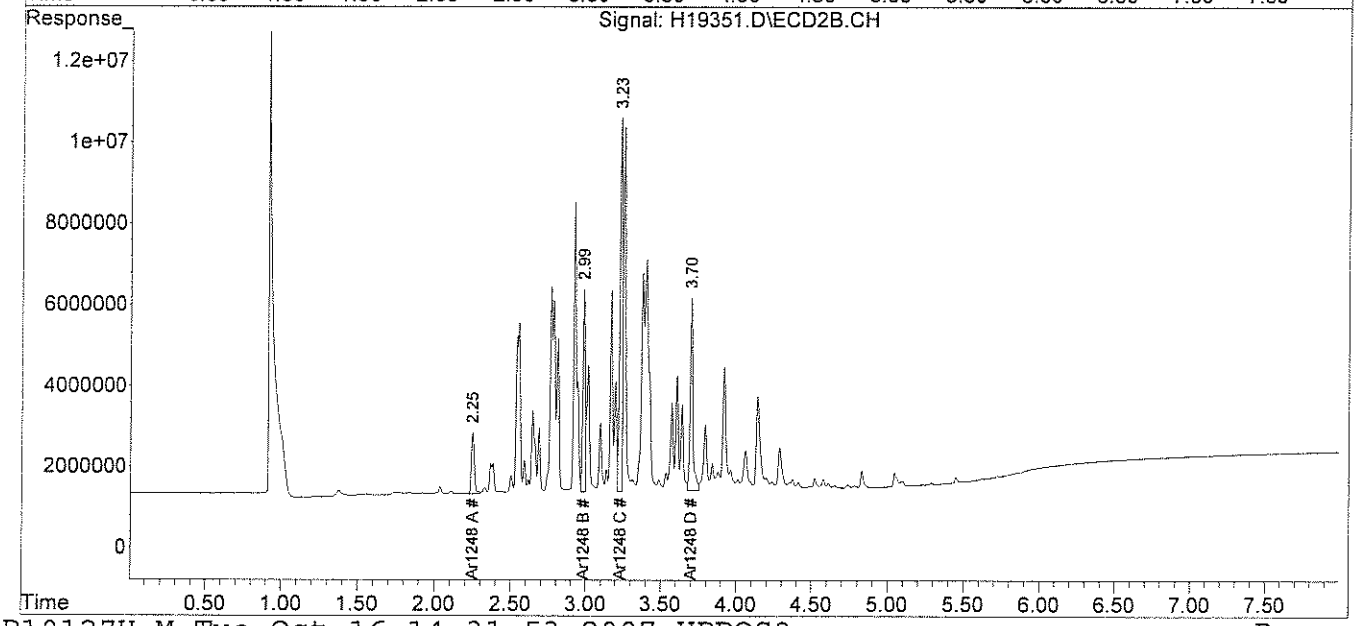
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101507-H\
Data File : H19351.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2007 11:14 pm
Operator :
Sample : 59851-9,A/C,DL,1:1000
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 16 14:31:53 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP10127H.M
Quant Title : Aroclor 1248
QLast Update : Tue Oct 16 13:57:26 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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October 18, 2007

SAMPLE DATA

Lab Sample ID: 59851-10
Matrix: Solid
Percent Solid: 96
Dilution Factor: 10300
Collection Date: 10/04/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/16/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-009

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	340000	U
PCB-1221	340000	U
PCB-1232	340000	U
PCB-1242	340000	U
PCB-1248	340000	**1210000**
PCB-1254	340000	U
PCB-1260	340000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature Melenalall

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PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-10,,10,000X

Data File: F67433.D

Dilution Factor: 10270.6

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	1194314	1207872	1.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

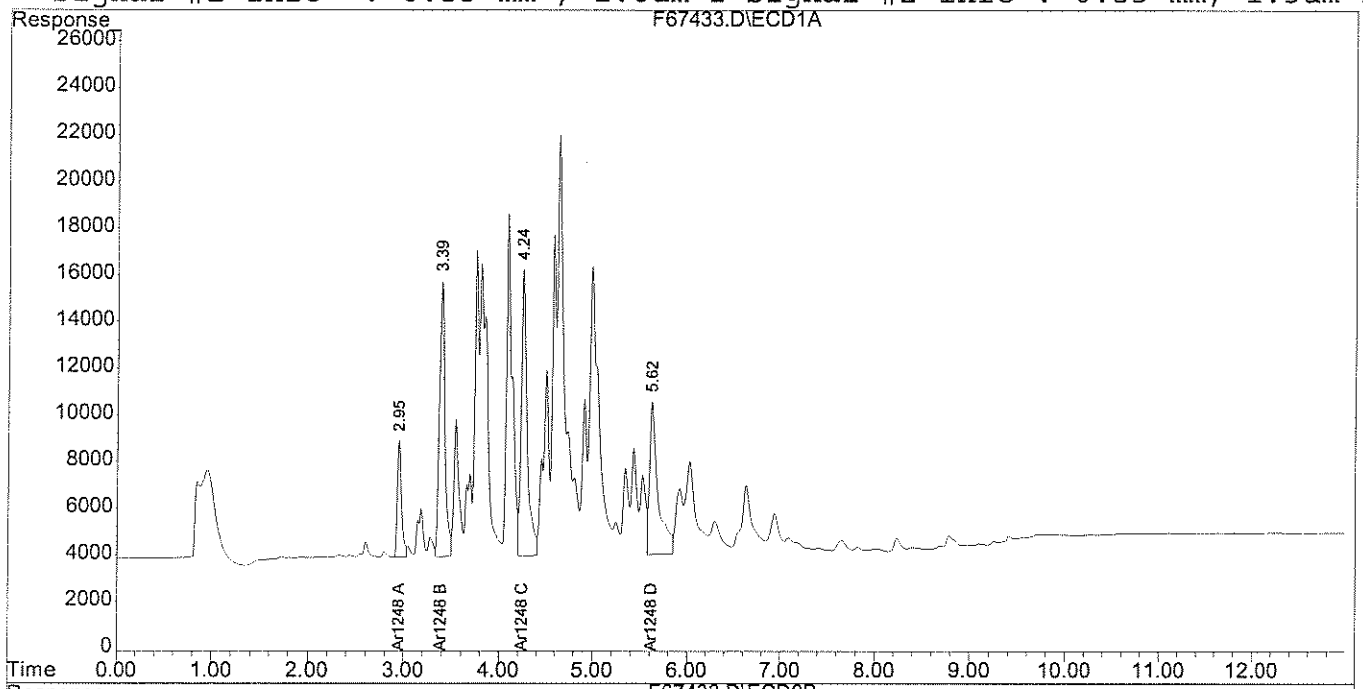
Comments: _____

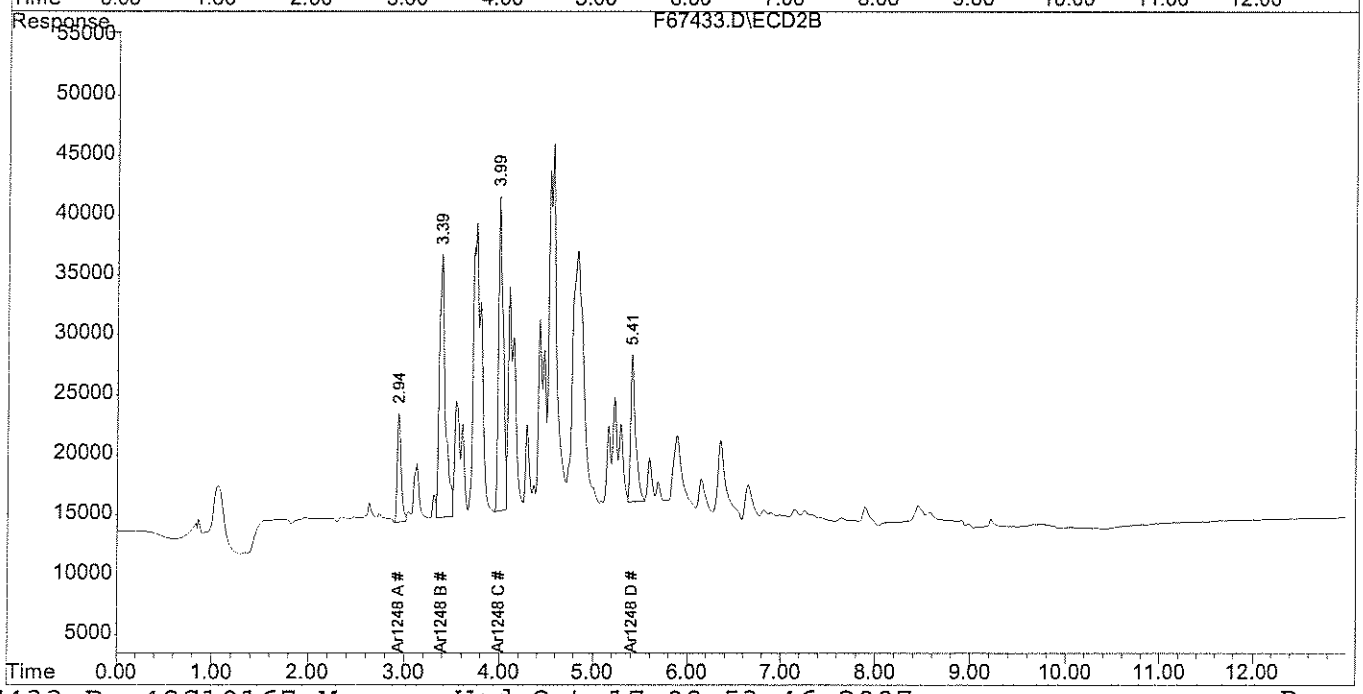
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\2\DATA\101607-F\F67433.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\2\DATA\101607-F\F67433.D\ECD2B.CH
Acq On : 16 Oct 2007 7:56 pm Operator:
Sample : 59851-10,,10,000X Inst : Instrumen
Misc : SOIL Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 17 8:53 2007 Quant Results File: 48S10167.RES

Quant Method : C:\HPCHEM\2\METHODS\48S10167.M (Chemstation Integrator)
Title : Aroclor 1248
Last Update : Wed Oct 17 08:43:05 2007
Response via : Single Level Calibration
DataAcq Meth : PSTQUICK.M

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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October 18, 2007

SAMPLE DATA

Lab Sample ID: 59851-11
Matrix: Solid
Percent Solid: 96
Dilution Factor: 5060
Collection Date: 10/04/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/16/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-010

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	167000	U
PCB-1221	167000	U
PCB-1232	167000	U
PCB-1242	167000	U
PCB-1248	167000	**869000**
PCB-1254	167000	U
PCB-1260	167000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

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PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-11,,5000X

Data File: F67434.D

Dilution Factor: 5058.6

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	808435	868787	7.2	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

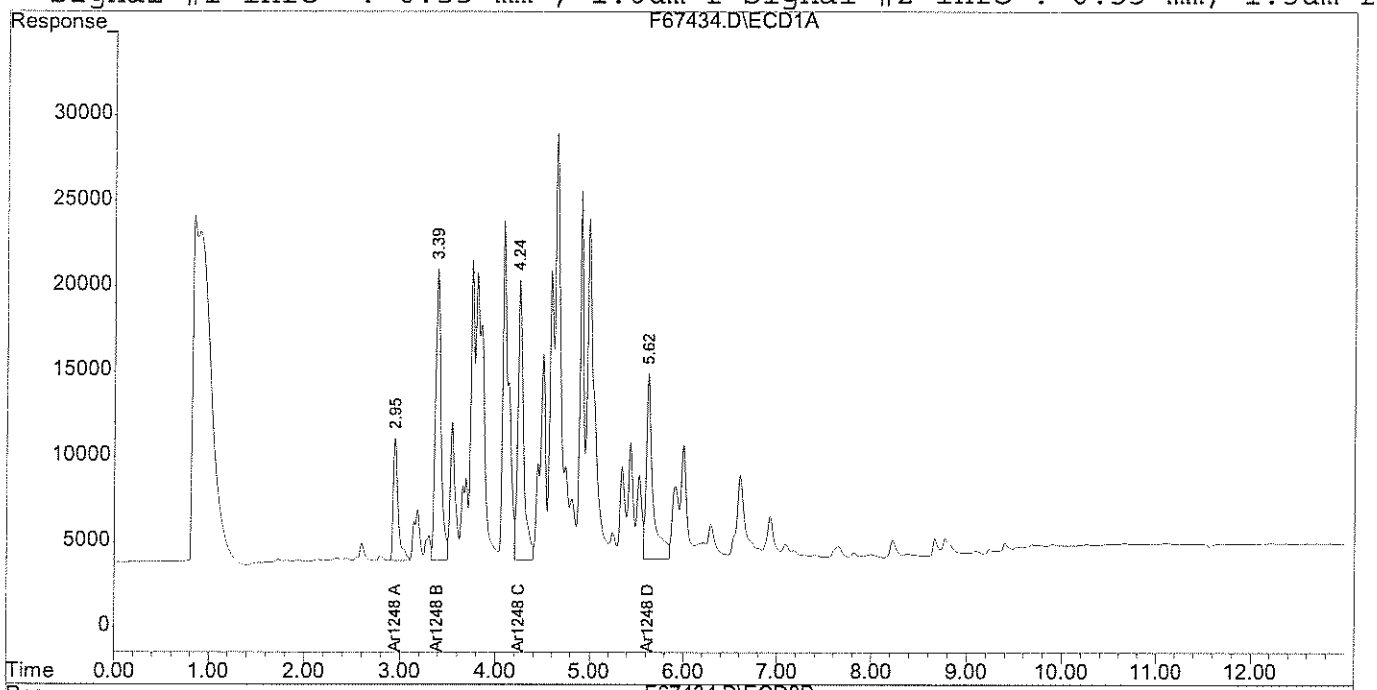
Comments: _____

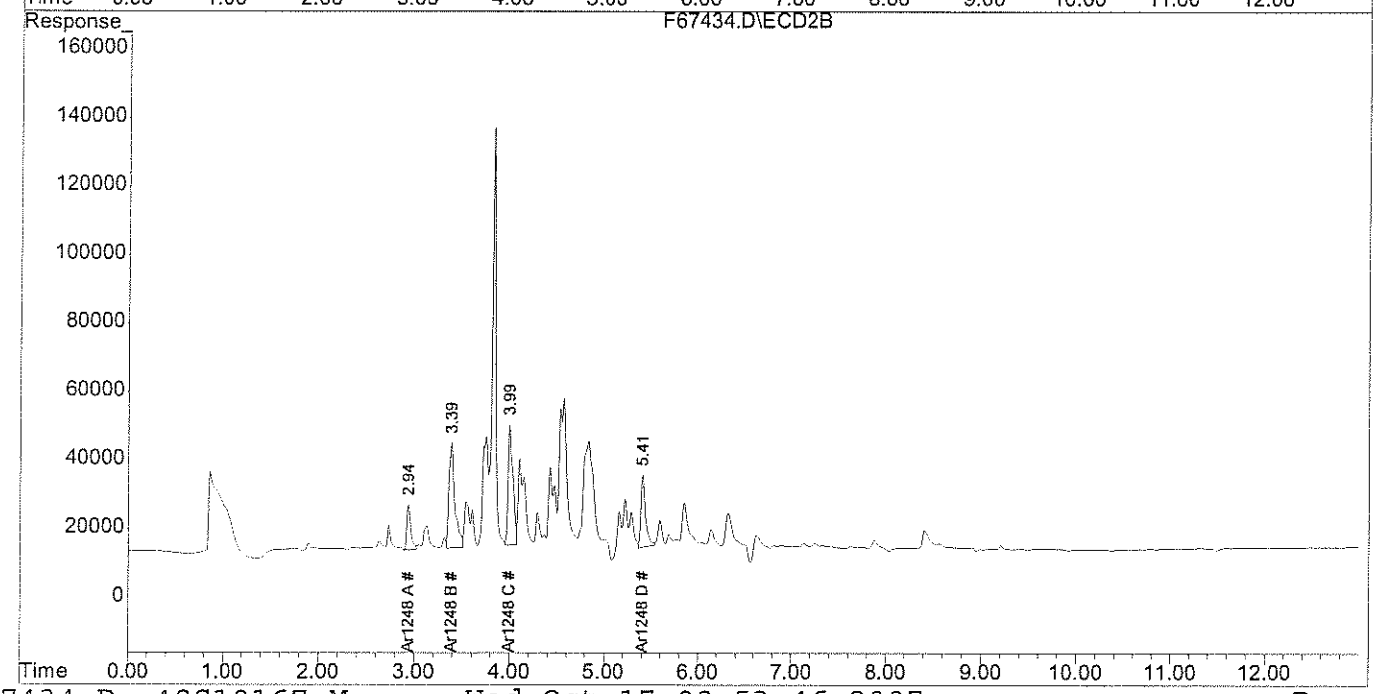
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\2\DATA\101607-F\F67434.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\2\DATA\101607-F\F67434.D\ECD2B.CH
Acq On : 16 Oct 2007 8:11 pm Operator:
Sample : 59851-11,,5000X Inst : Instrumen
Misc : SOIL Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 17 8:53 2007 Quant Results File: 48S10167.RES

Quant Method : C:\HPCHEM\2\METHODS\48S10167.M (Chemstation Integrator)
Title : Aroclor 1248
Last Update : Wed Oct 17 08:43:05 2007
Response via : Single Level Calibration
DataAcq Meth : PSTQUICK.M

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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SAMPLE DATA

Lab Sample ID: 59851-12
Matrix: Solid
Percent Solid: 97
Dilution Factor: 9670
Collection Date: 10/04/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/16/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-011

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	319000	U
PCB-1221	319000	U
PCB-1232	319000	U
PCB-1242	319000	U
PCB-1248	319000	**1150000**
PCB-1254	319000	U
PCB-1260	319000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

analytics environmental laboratory LLC

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-12,,10,000X

Data File: F67435.D

Dilution Factor: 9671.9

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	1104429	1149237	4.0	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

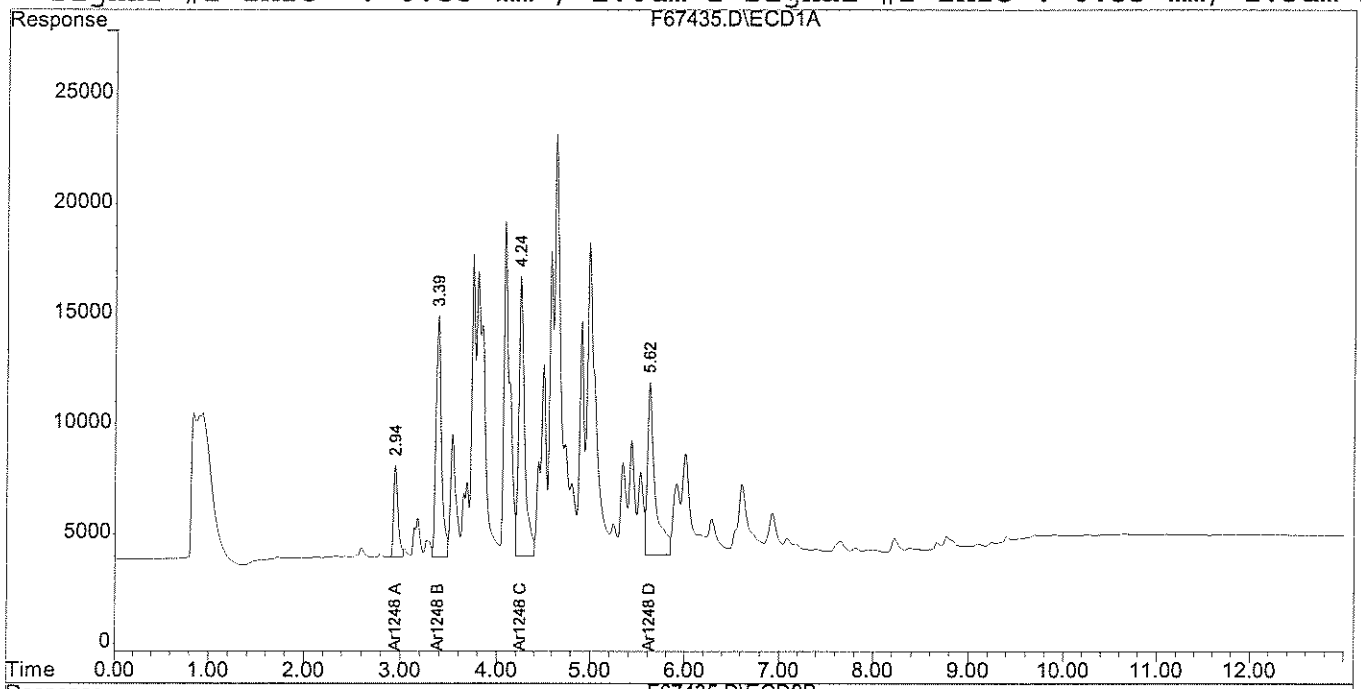
Comments: _____

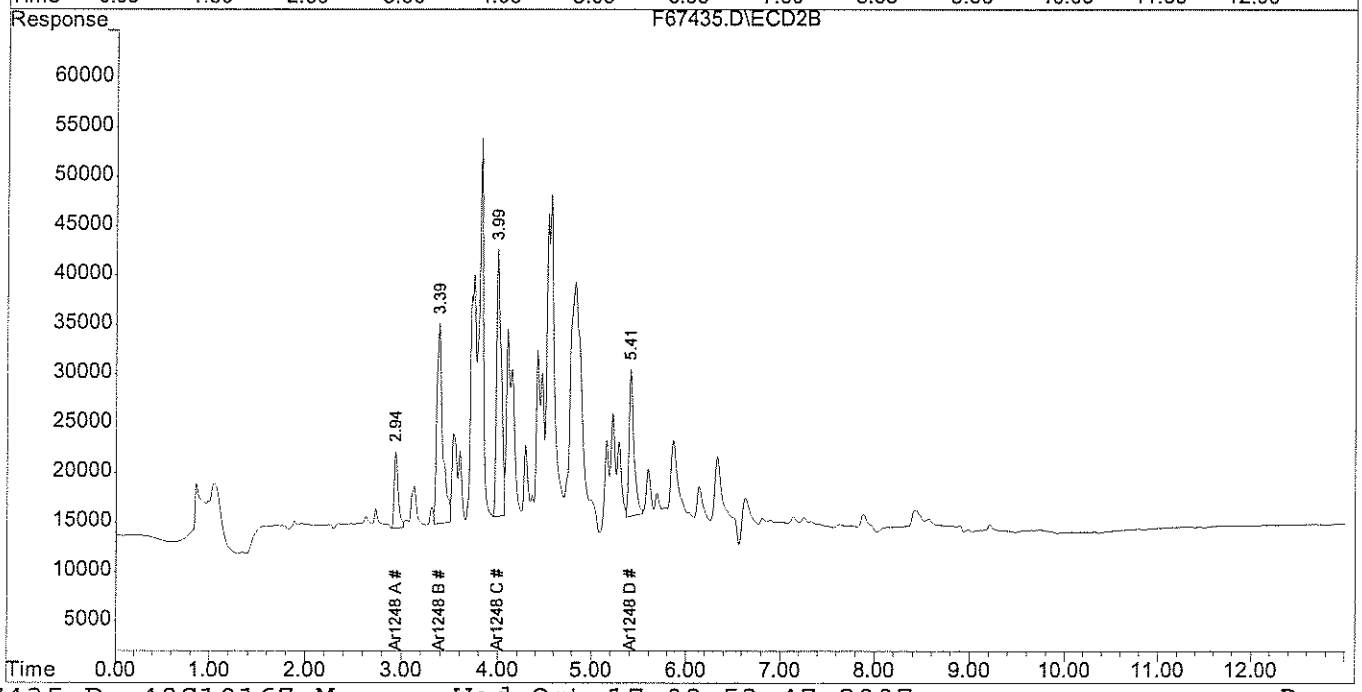
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\2\DATA\101607-F\F67435.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\2\DATA\101607-F\F67435.D\ECD2B.CH
Acq On : 16 Oct 2007 8:40 pm Operator:
Sample : 59851-12,,10,000X Inst : Instrumen
Misc : SOIL Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 17 8:53 2007 Quant Results File: 48S10167.RES

Quant Method : C:\HPCHEM\2\METHODS\48S10167.M (Chemstation Integrator)
Title : Aroclor 1248
Last Update : Wed Oct 17 08:43:05 2007
Response via : Single Level Calibration
DataAcq Meth : PSTQUICK.M

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





analytics environmental laboratory LLC

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800-929-9906

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

October 18, 2007

SAMPLE DATA

Lab Sample ID: 59851-13
Matrix: Solid
Percent Solid: 96
Dilution Factor: 5170
Collection Date: 10/04/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/16/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-012

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	171000	U
PCB-1221	171000	U
PCB-1232	171000	U
PCB-1242	171000	U
PCB-1248	171000	**718000**
PCB-1254	171000	U
PCB-1260	171000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

analytics environmental laboratory LLC

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-13,,5000X

Data File: F67436.D

Dilution Factor: 5171.3

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	646382	717795	10.5	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

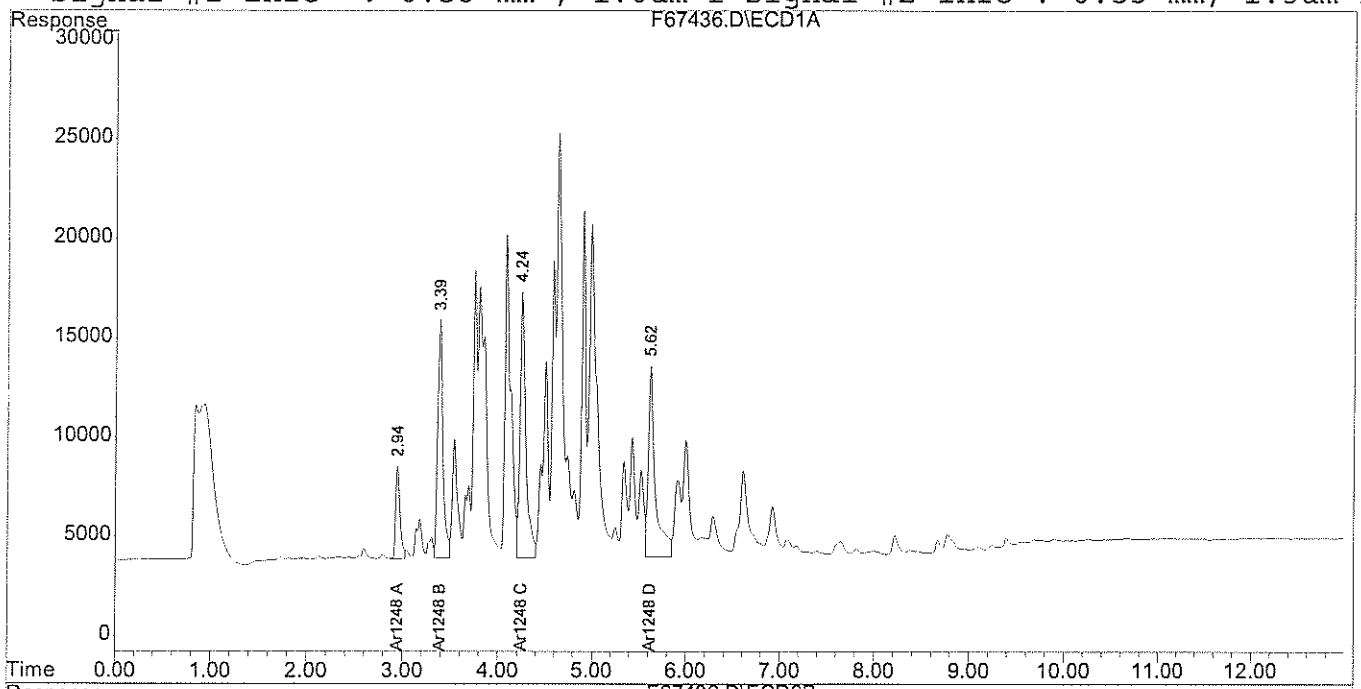
Comments: _____

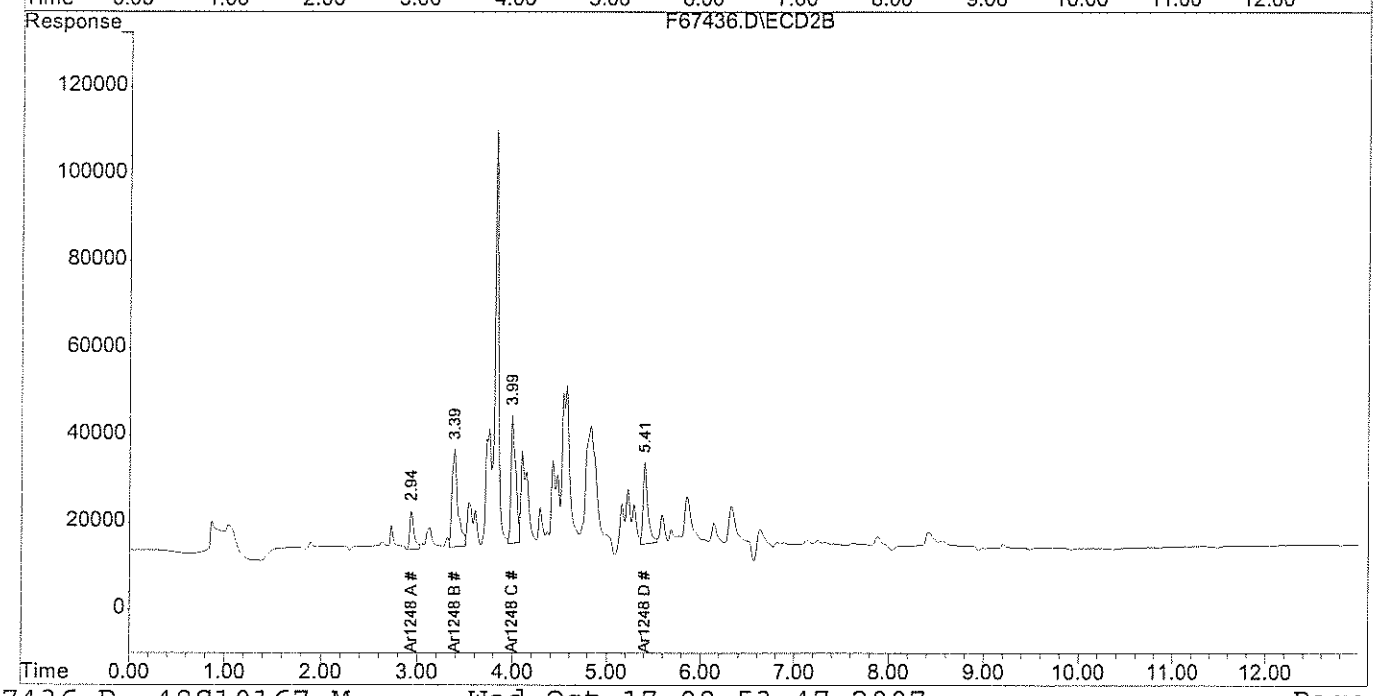
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\2\DATA\101607-F\F67436.D\ECD1A.CH Vial: 28
Signal #2 : C:\HPCHEM\2\DATA\101607-F\F67436.D\ECD2B.CH
Acq On : 16 Oct 2007 8:55 pm Operator:
Sample : 59851-13,,5000X Inst : Instrumen
Misc : SOIL Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 17 8:53 2007 Quant Results File: 48S10167.RES

Quant Method : C:\HPCHEM\2\METHODS\48S10167.M (Chemstation Integrator)
Title : Aroclor 1248
Last Update : Wed Oct 17 08:43:05 2007
Response via : Single Level Calibration
DataAcq Meth : PSTQUICK.M

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





analytics environmental laboratory LLC

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603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

October 18, 2007

SAMPLE DATA

Lab Sample ID: 59851-14
Matrix: Solid
Percent Solid: 97
Dilution Factor: 1020
Collection Date: 10/04/07
Lab Receipt Date: 10/04/07
Extraction Date: 10/08/07
Analysis Date: 10/16/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-013

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33700	U
PCB-1221	33700	U
PCB-1232	33700	U
PCB-1242	33700	U
PCB-1248	33700	**262000**
PCB-1254	33700	U
PCB-1260	33700	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Sample: 59851-14,A/C,DL,1:1000

Data File: H19356.D

Dilution Factor: 1018.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	262232	248725	5.3	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

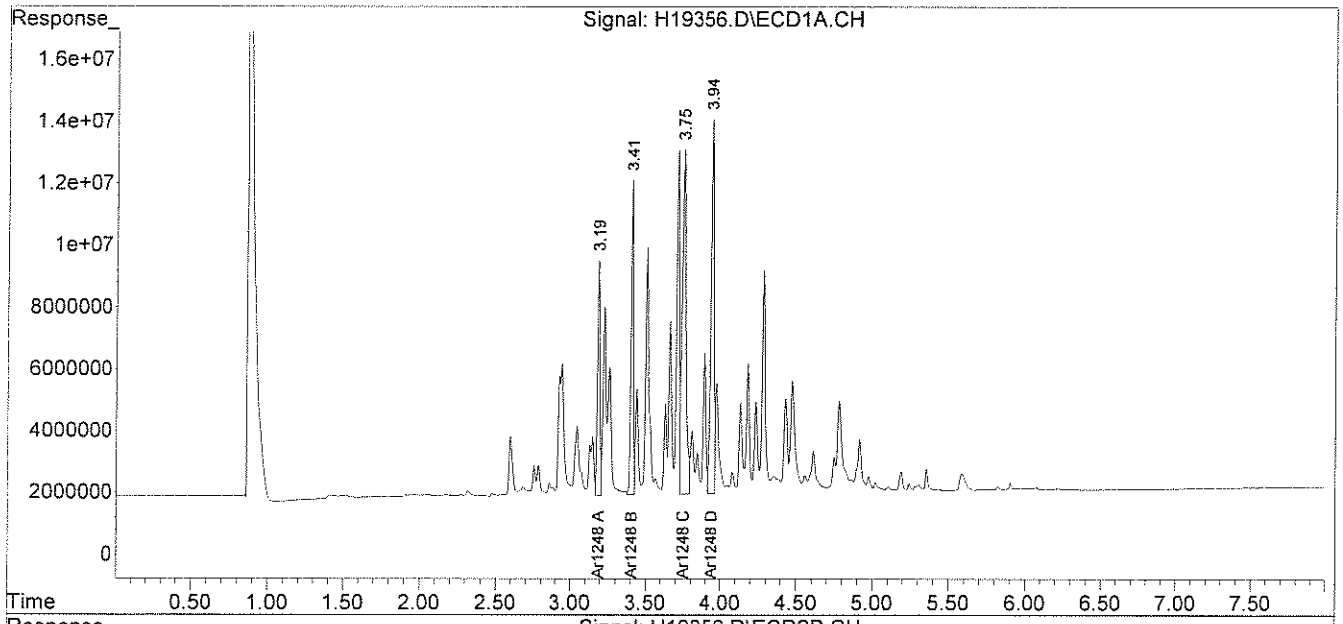
Comments: _____

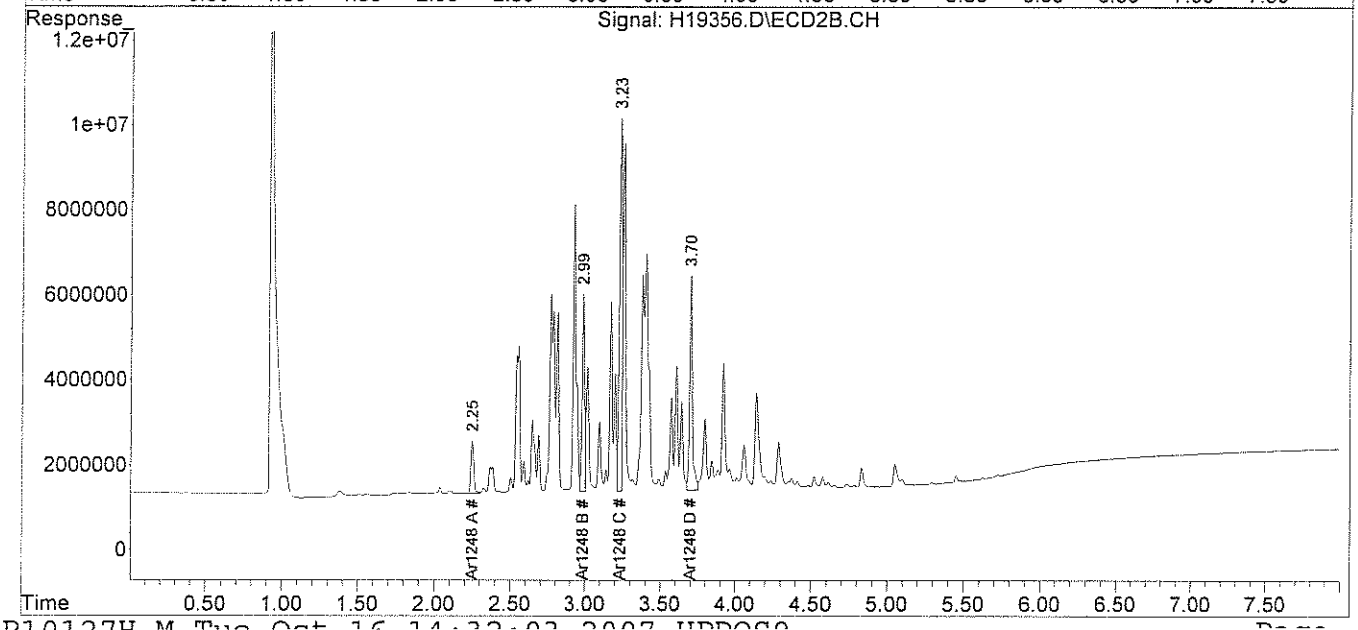
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101507-H\
Data File : H19356.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Oct 2007 12:06 am
Operator :
Sample : 59851-14,A/C,DL,1:1000
Misc : SOIL
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 16 14:32:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP10127H.M
Quant Title : Aroclor 1248
QLast Update : Tue Oct 16 13:57:26 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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PCB
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PCBQC.doc

analytics environmental laboratory LLC

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: F
GC Column #1: RTX-CLPesticides I
Column ID: 0.32 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.32 mm

SDG: 59851

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B10107PAS, A/C, RR	95		119		94		126	
L10107PASB, A/C, RR	93		135	*	99		145	*
LD10107PASB, A/C, RR	89		126		95		133	*
59851-2,A/C,DL,1:1000	D		D		D		D	
59851-5,A/C,DL,1:1000	D		D		D		D	
59851-9,A/C,DL,1:1000	D		D		D		D	
59851-14,A/C,DL,1:1000	D		D		D		D	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

analytics environmental laboratory LLC

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: F
GC Column #1: RTX-CLPesticides I
Column ID: 0.32 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.32 mm

SDG: 59851

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B10087PCBSOX,,RR	93		118		95		116	
59851-1,,5000X	D		D		D		D	
59851-3,,5000X	D		D		D		D	
59851-4,,5000X	D		D		D		D	
59851-6,,5000X	D		D		D		D	
59851-7,,5000X	D		D		D		D	
59851-8,,2000X	D		D		D		D	
59851-10,,10,000X	D		D		D		D	
59851-11,,5000X	D		D		D		D	
59851-12,,10,000X	D		D		D		D	
59851-13,,5000X	D		D		D		D	

		Lower Limit	Upper Limit
SMC #1 =	TCX	40	130
SMC #2 =	DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 59851

Non-spiked sample: B10087PSOX, A/C

Spike: L10087PSOX, A/C

Spike duplicate: LD10087PSOX, A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	133	133	65	140	30	0	112	84		120	90		7.0	
PCB 1260	133	133	60	130	30	0	113	85		119	89		5.1	
PCB 1016 #2	133	133	65	140	30	0	152	114		161	121		5.7	
PCB 1260 #2	133	133	60	130	30	0	114	85		122	92		6.8	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

CHAIN OF CUSTODIES

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 1, 10/1/02

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4.8 ~~4.5~~
3) Received in good condition Y or N
4) pH checked by: NA
5) Labels checked by: SLK 10/4/07

Project#: 210792 Proj. Name: Lincoln Labs

Company: Woodard &Curran

Contact: Amy Wallace awallace@woodardcurran.com

Address: 35 New England Business Center Suite 180

Andover, MA 01810

Phone: (978)557-8150 PO# Quote #

Sampler (Signature): amy wa

Matrix Key:
conc = Concrete
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MIT-SW-001	9/27/07	830	EPA 3540C / PCB 8082		X						conc.	1	G		~~59853~~ -1
MIT-SW-051	9/27/07	840										1	G		59851 -2
MIT-SW-002	10/4/07	920										1	G		-3
MIT-SW-003		910										1	G		-4
MIT-SW-004		845										1	G		-5
MIT-SW-005		905										1	G		-6
MIT-SW-006		905										1	G		-7
MIT-SW-007		856										1	G		-8
MIT-SW-008		830										1	G		-9
MIT-SW-009		848										1	G		-10
MIT-SW-010		842										1	G		-11
MIT-SW-011		832			X							1	G		-12

Email RESULTS? YES NO
Email See above
Fax RESULTS? YES NO
Fax#

Turnaround Request
Standard ☒ Due Date
Priority ☐ Due Date

Comments / Instructions:

TSCA Project: use EPA 3540 SOXHLET
PCB 8082

Received By: Time: 1415 Date: 10/4/07 Relinquished By Sampler: amy wa

Received By: Time: Date: Relinquished By:

Received By: Time: Date: Relinquished By:

Page 1 of 2

Analytics\AEL Documents\AEL COC

03/60

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 1, 10/1/02

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4.5
3) Received in good condition Y or N
4) pH checked by: NA
5) Labels checked by: SLK 10/4/07

Project#: 210792 Proj. Name: Lincoln Labs
Company: Woodard &Curran
Contact: Amy Wallace awallace@woodardcurran.com
Address: 35 New England Business Center Suite 180
Andover, MA 01810
Phone: (978)557-8150 PO# Quote #
Sampler (Signature): amy wa

Matrix Key:
conc=concrete
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MIT-SW-012	10/4/07	9:00	EPA 3540C / PCB 8082		X						Conc.	1	G	NF	~~59853~~ -13
MIT-SW-013	10/4/07	8:00			X						Conc.	1	G	10-4-07	59851 -14

Received By: Time: 1415 Date: 10/4/07
Received By: Time: Date:
Received By: Time: Date:

Relinquished By Sampler: amy wa
Relinquished By:
Relinquished By:

Email RESULTS? YES NO
Email see above
Fax RESULTS? YES NO
Fax#

Turnaround Request
Standard ☒ Due Date
Priority ☐ Due Date

Comments / Instructions:

TSCA Project: use EPA 3540 SOXHLET
PCB 8082

Page 2 of 2

Analytics\AEL Documents\AEL COC

09/09

analytics environmental laboratory LLC

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800-929-9906
www.analyticslab.com

November 16, 2007

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

RE: Analytical Results Case Narrative
Analytics # 60012
MIT-Lincoln Labs Proj# 210792

Dear Ms. Wallace;

Enclosed please find the analytical results for samples submitted for the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level II data package has been assembled in the following order:

Case Narrative/Non-Conformance Summary
Sample Log Sheet - Cover Page
PCB Form 1 Data Sheet for Samples and Blanks
Chromatograms
PCB Form 10 Confirmation Results
PCB Form 3 MS/MSD (LCS) Recoveries
Chain of Custody (COC) Forms

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

PCBs by EPA Method 8082:
No QC deviations.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 60012

Revision: Rev. 0

Re: Lincoln Labs **210792**

Enclosed are the results of the analyses on your sample(s). Samples were received on 22 October 2007 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
60012-1	10/18/07	MIT-SW-014	EPA 8082 (PCBs only)	
60012-2	10/18/07	MIT-SW-015	EPA 8082 (PCBs only)	
60012-3	10/18/07	MIT-SW-016	EPA 8082 (PCBs only)	
60012-4	10/18/07	MIT-EW-001	EPA 8082 (PCBs only)	
60012-5	10/18/07	MIT-EW-002	EPA 8082 (PCBs only)	
60012-6	10/18/07	MIT-EW-003	EPA 8082 (PCBs only)	
60012-7	10/18/07	MIT-EW-004	EPA 8082 (PCBs only)	
60012-8	10/18/07	MIT-EW-005	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Pennsylvania, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 11/14/2007

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analytics environmental laboratory LLC

PCB
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

November 16, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: Lab QC

Lab Sample ID: B10297PSOX A/C
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/29/07
Analysis Date: 10/31/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	100	%
Decachlorobiphenyl	112	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

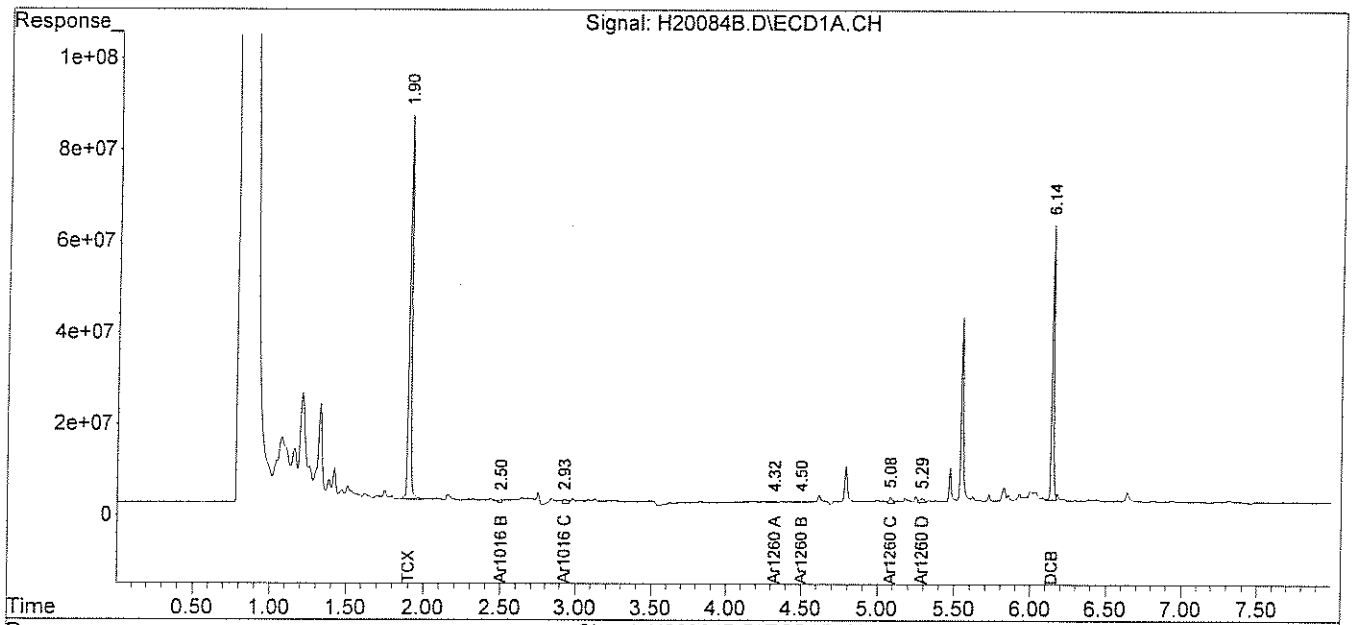
Authorized signature

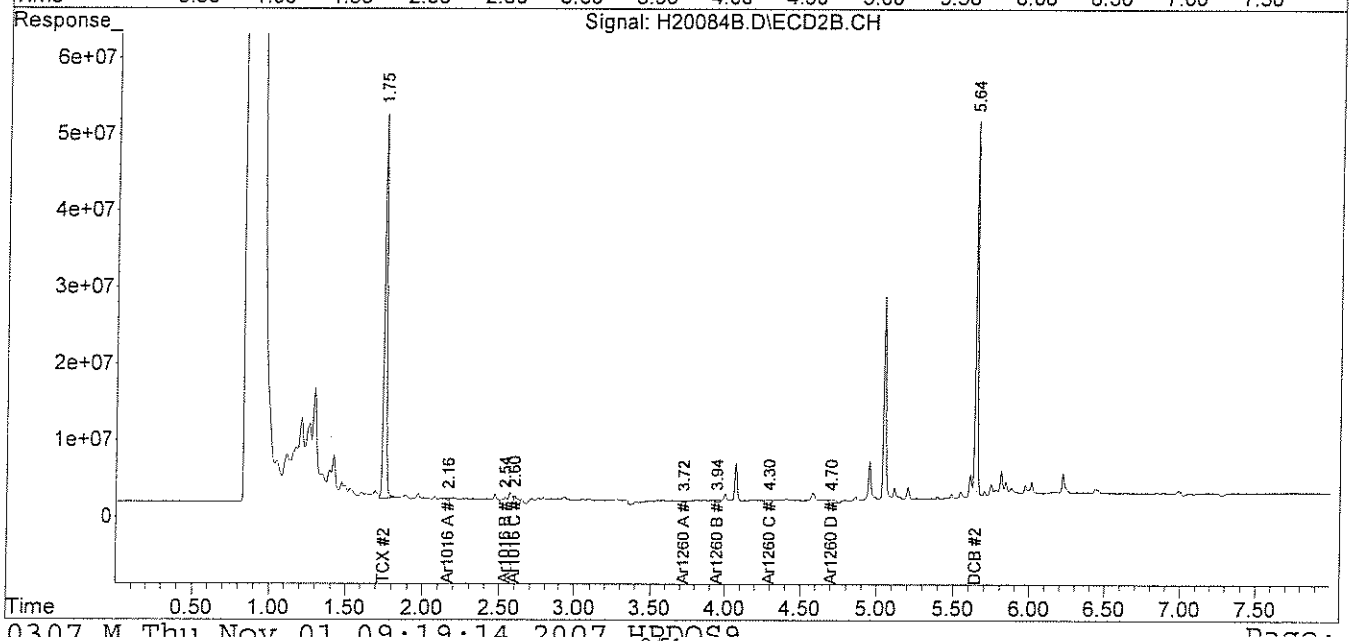
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\103107-H\
Data File : H20084B.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Oct 2007 11:52 pm
Operator :
Sample : B10297PSOX A/C
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 01 09:19:14 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ10307.M
Quant Title : Aroclor 1016/1260
QLast Update : Thu Nov 01 09:18:24 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 16, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: Lab QC

Lab Sample ID: B10307PSOX A/C
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/30/07
Analysis Date: 11/02/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	97	%
Decachlorobiphenyl	112	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

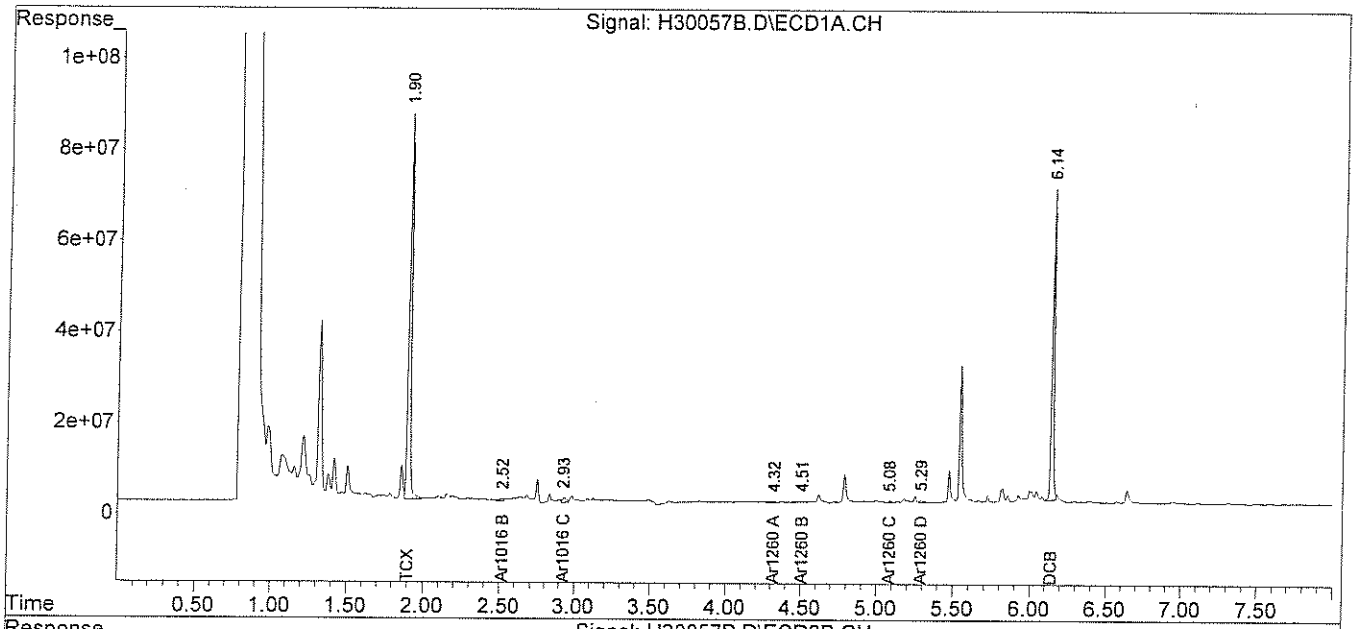
Authorized signature

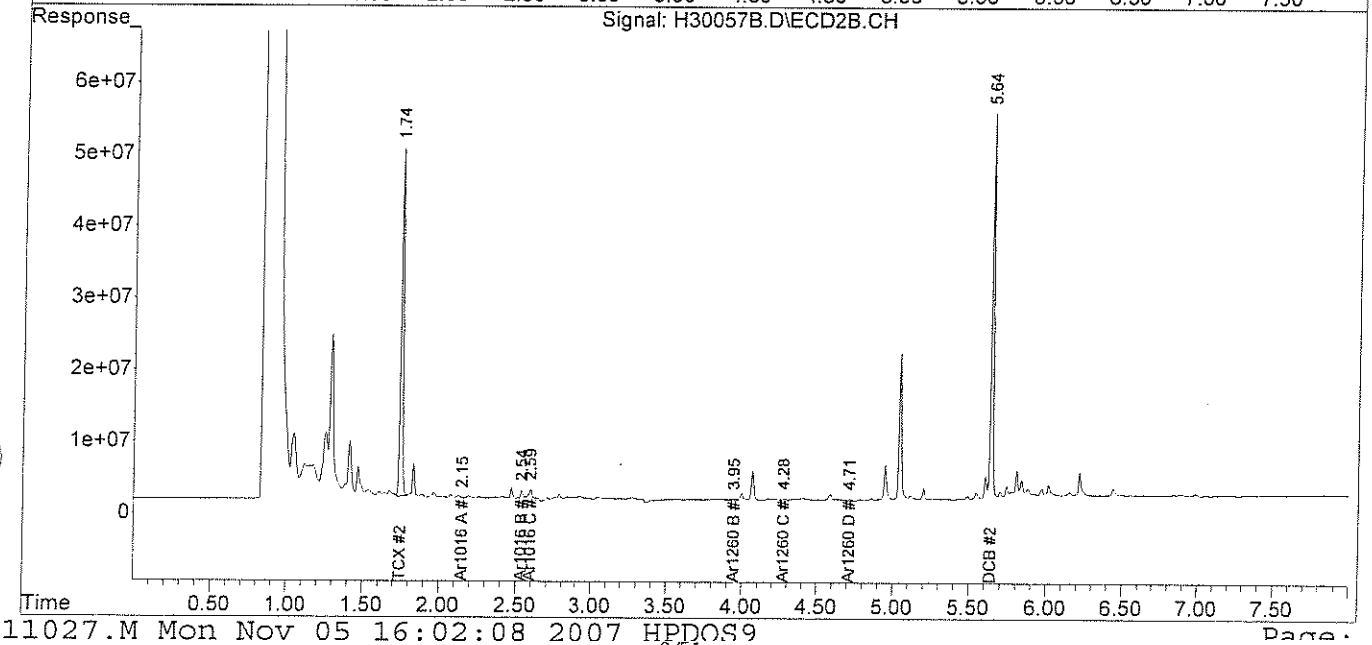
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\110207-H\
Data File : H30057B.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 Nov 2007 6:28 pm
perator :
Sample : B10307PSOX, A/C
Misc : SOIL
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 05 16:02:07 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ11027.M
Quant Title : Aroclor 1016/1260
QLast Update : Fri Nov 02 14:25:35 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 13, 2007

SAMPLE DATA

Lab Sample ID: B11057PAS
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/05/07
Analysis Date: 11/08/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	106	%
Decachlorobiphenyl	98	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

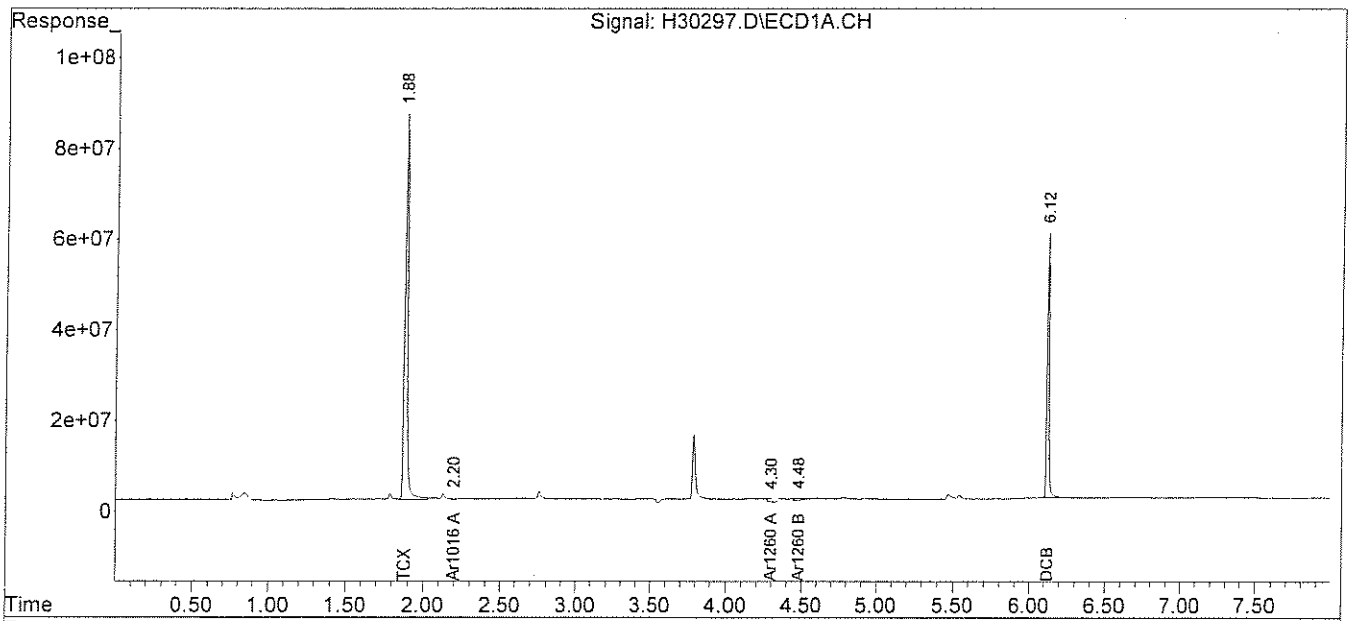
Authorized signature

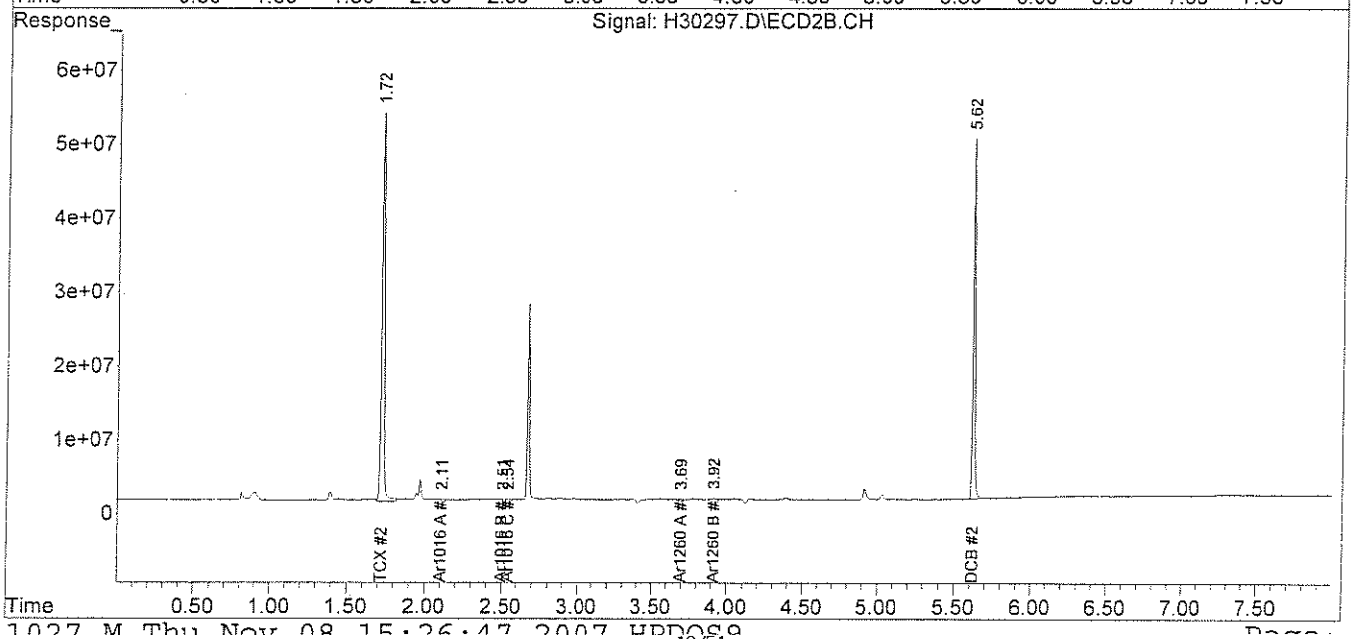
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\110807-H\
Data File : H30297.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Nov 2007 12:47 pm
Operator :
Sample : B11057PAS, A/C
Misc : SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 08 15:26:46 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ11027.M
Quant Title : Aroclor 1016/1260
QLast Update : Thu Nov 08 11:28:23 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 16, 2007

SAMPLE DATA

Lab Sample ID: B11097PAS A/C
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/09/07
Analysis Date: 11/12/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	106	%
Decachlorobiphenyl	110	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

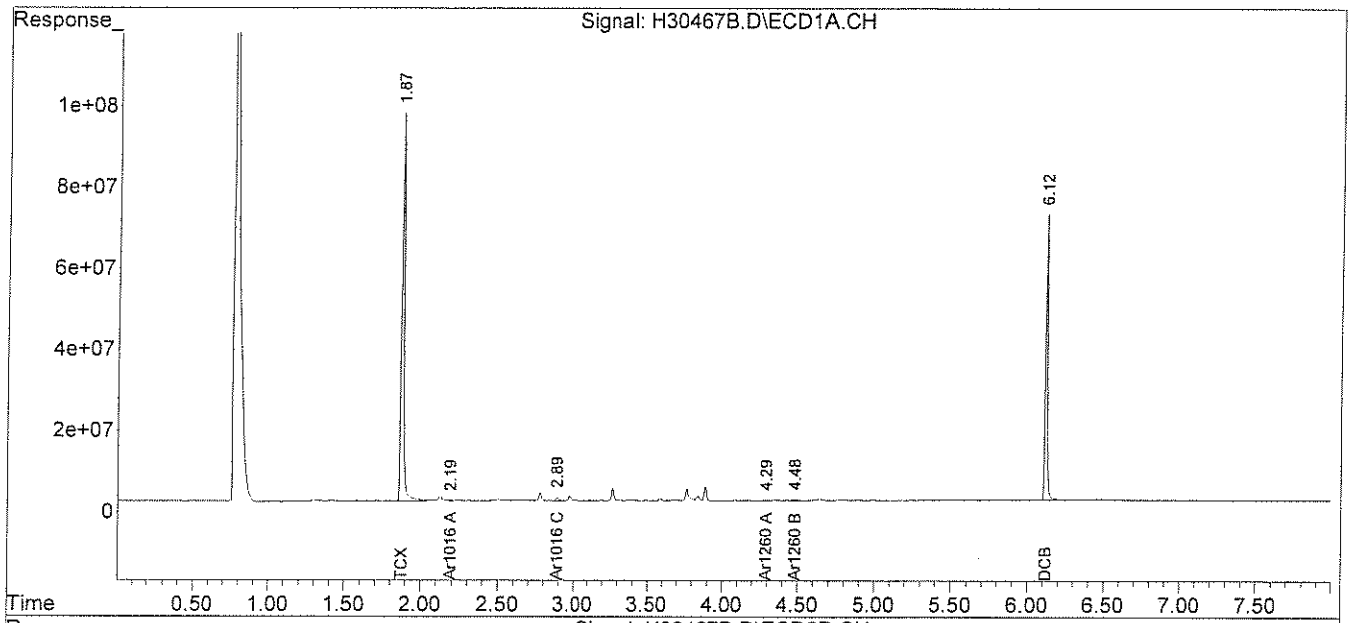
Authorized signature

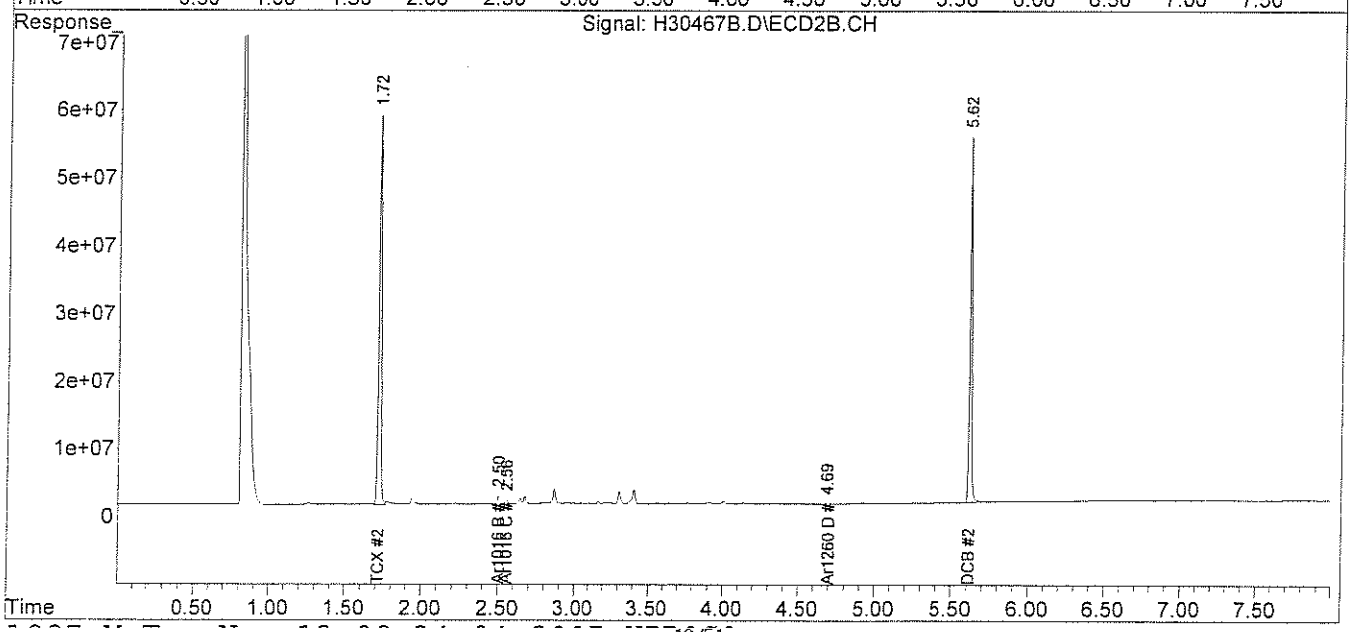
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111207-H\
Data File : H30467B.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Nov 2007 10:10 pm
Operator :
Sample : B11097PAS, A/C
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 13 09:34:04 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ11097.M
Quant Title : Aroclor 1016/1260
QLast Update : Sun Nov 11 17:50:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 16, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: Lab QC

Lab Sample ID: B11127PAS RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/12/07
Analysis Date: 11/14/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	97	%
Decachlorobiphenyl	111	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

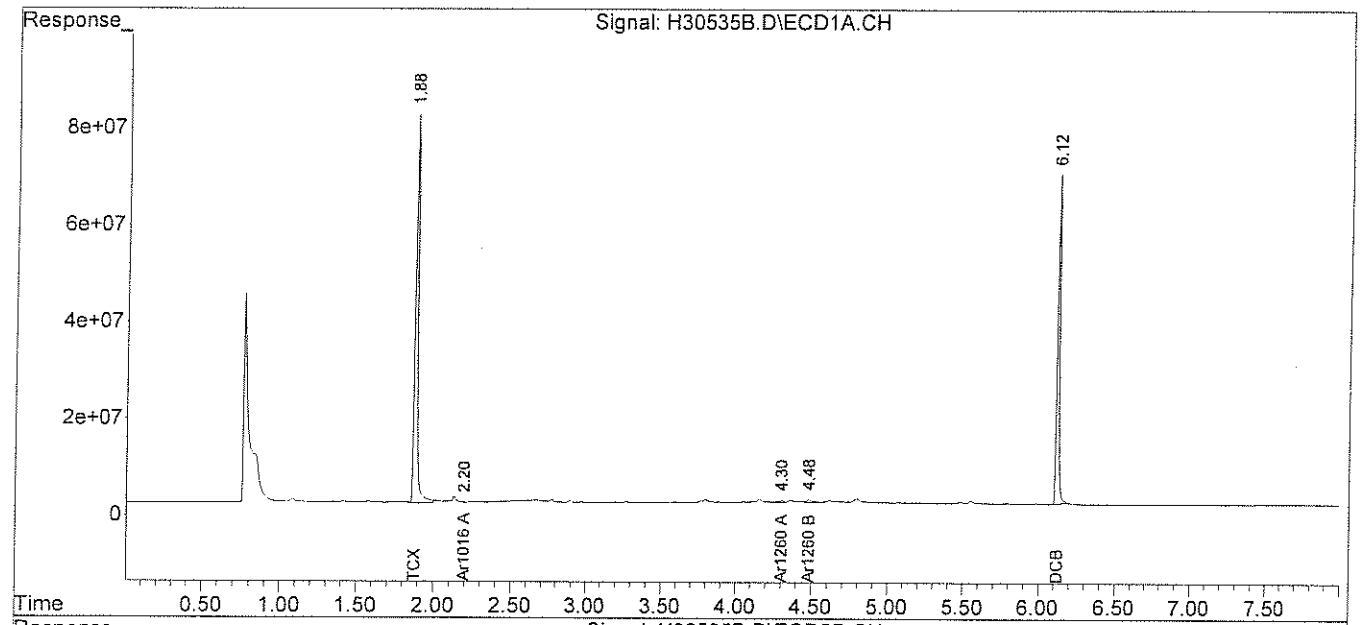
Authorized signature

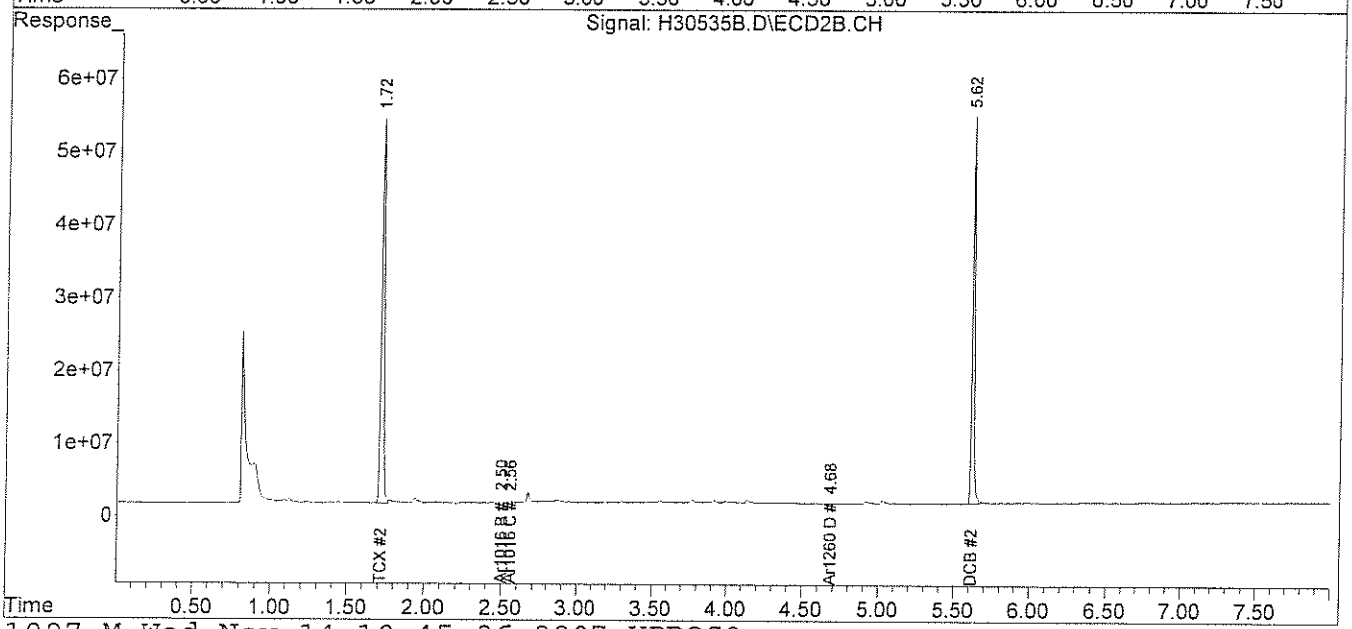
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111407-H\
Data File : H30535B.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 8:58 am
Operator :
Sample : B11127PAS, RR, A/C
Misc : SOIL
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 10:39:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ11097.M
Quant Title : Aroclor 1016/1260
QLast Update : Sun Nov 11 17:50:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 13, 2007

SAMPLE DATA

Lab Sample ID: 60012-1 DL
Matrix: Solid
Percent Solid: 96
Dilution Factor: 2060
Collection Date: 10/18/07
Lab Receipt Date: 10/22/07
Extraction Date: 10/29/07
Analysis Date: 11/08/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-014

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	68000	U
PCB-1221	68000	U
PCB-1232	68000	U
PCB-1242	68000	U
PCB-1248	68000	**674000**
PCB-1254	68000	U
PCB-1260	68000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60012

Sample: 60012-1, A/C, DL, 1:2000

Data File: H30309.D

Dilution Factor: 2057.7

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	673983	647934	3.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

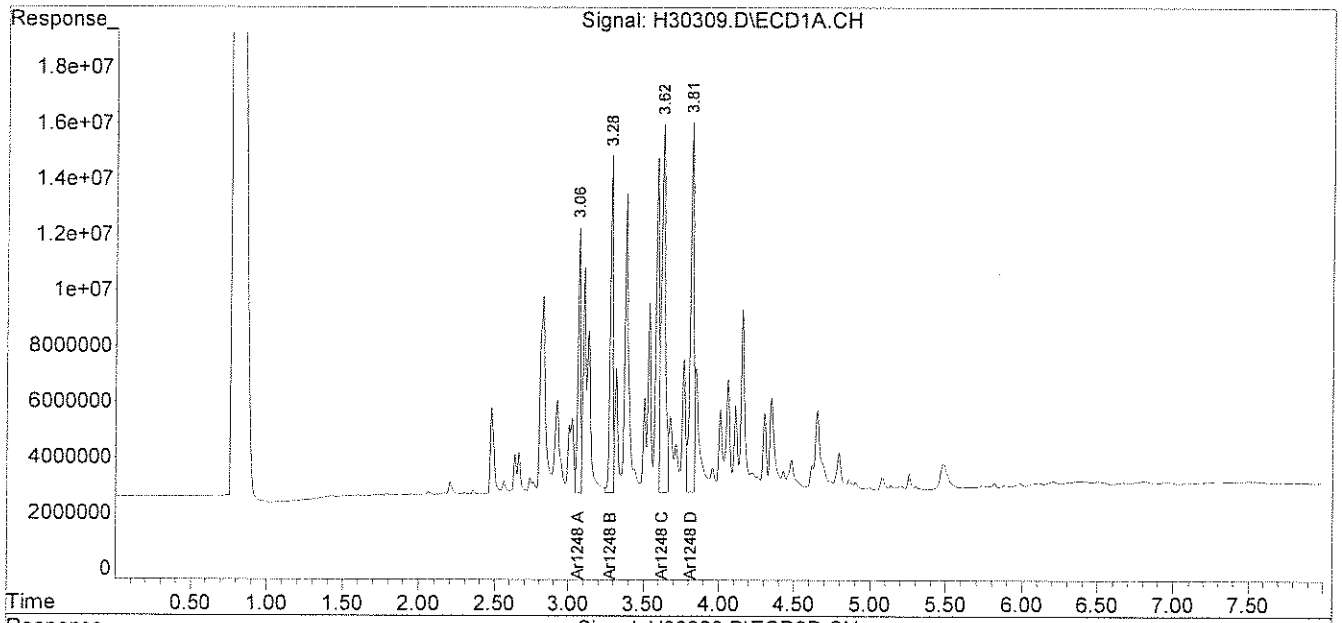
Comments: _____

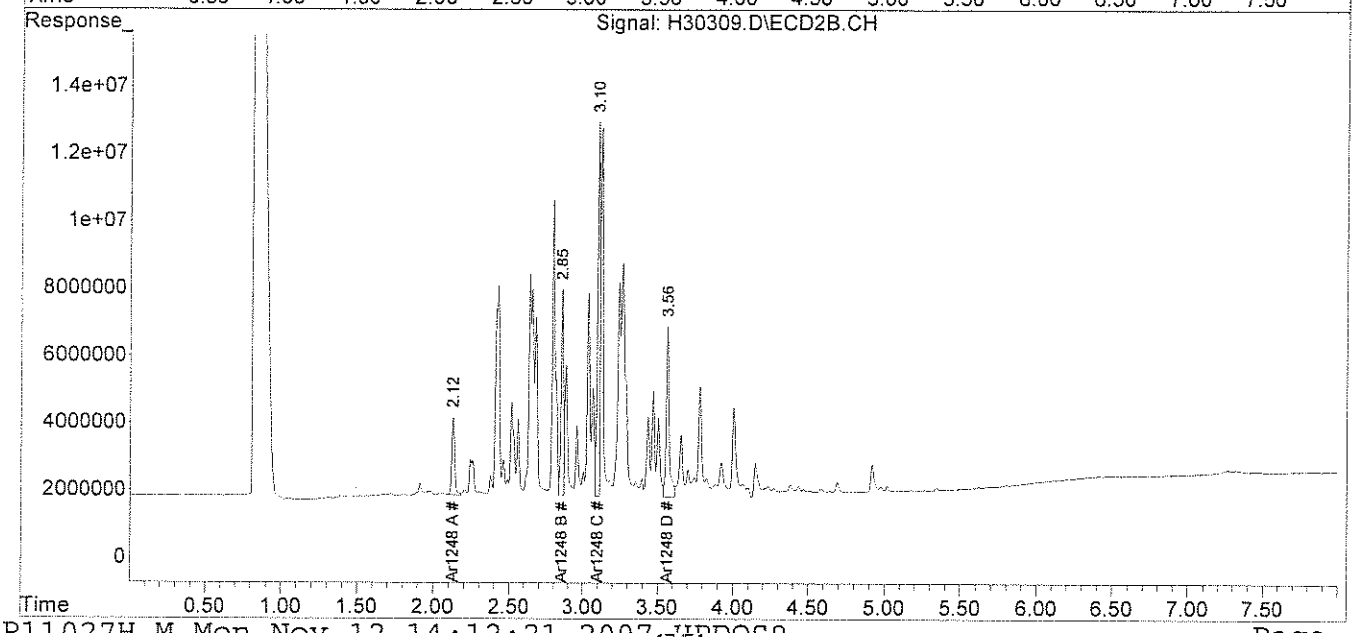
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\110807-H\
Data File : H30309.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Nov 2007 5:25 pm
Operator :
Sample : 60012-1, A/C, DL, 1:2000
Misc : SOIL
ALS Vial : 17 Sample Multiplier: 1

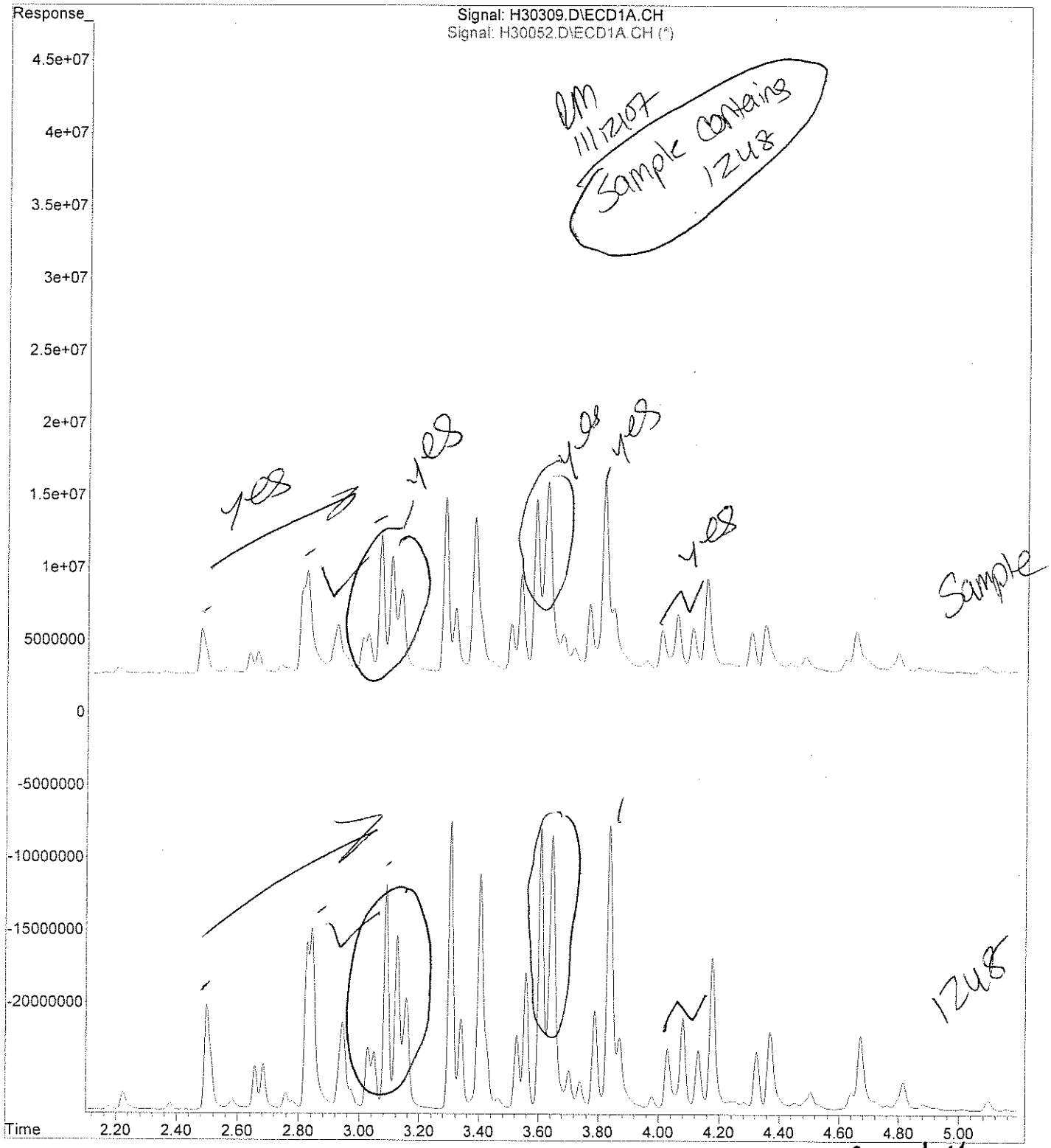
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 12 14:12:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11027H.M
Quant Title : Aroclor 1248
QLast Update : Thu Nov 08 16:13:37 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\110807-H\H30309.D
Operator :
Acquired : 08 Nov 2007 5:25 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60012-1, A/C, DL, 1:2000
Misc Info : SOIL
Vial Number: 17



SLK 11/14/07

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November 13, 2007

SAMPLE DATA

Lab Sample ID: 60012-2 DL
Matrix: Solid
Percent Solid: 97
Dilution Factor: 5150
Collection Date: 10/18/07
Lab Receipt Date: 10/22/07
Extraction Date: 10/29/07
Analysis Date: 11/08/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-015

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	170000	U
PCB-1221	170000	U
PCB-1232	170000	U
PCB-1242	170000	U
PCB-1248	170000	**1330000**
PCB-1254	170000	U
PCB-1260	170000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60012

Sample: 60012-2, A/C, DL, 1:5000

Data File: H30310.D

Dilution Factor: 5147.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	1328636	1299870	2.2	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

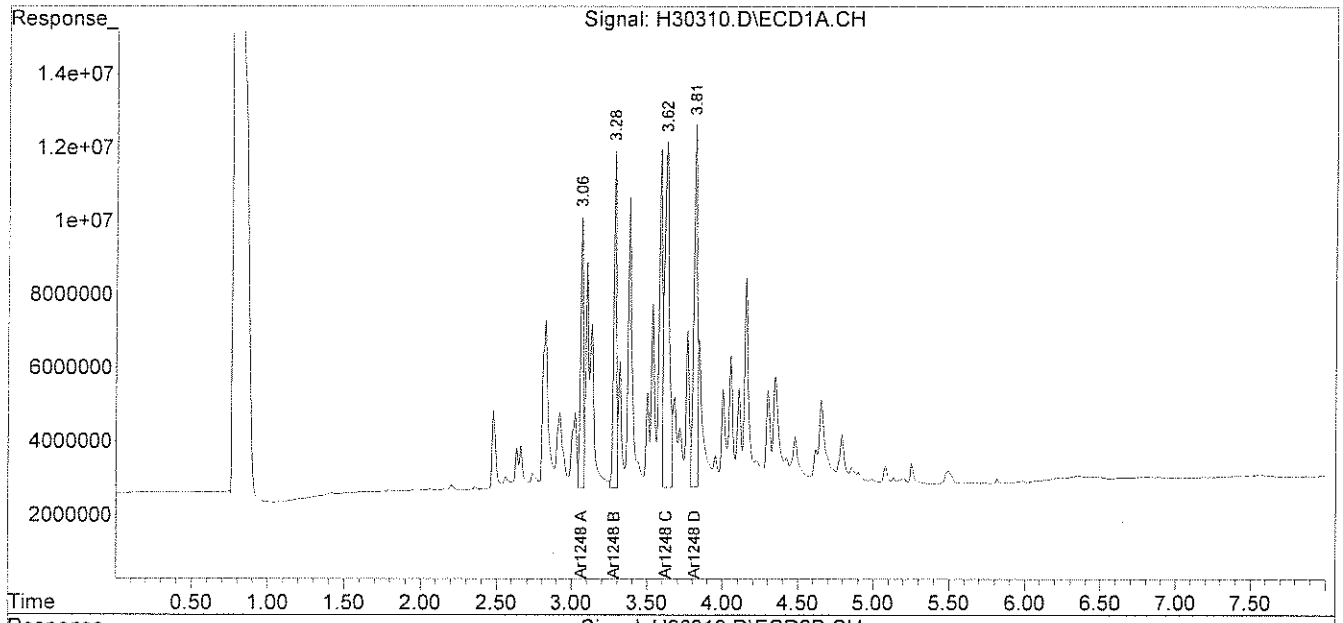
Comments: _____

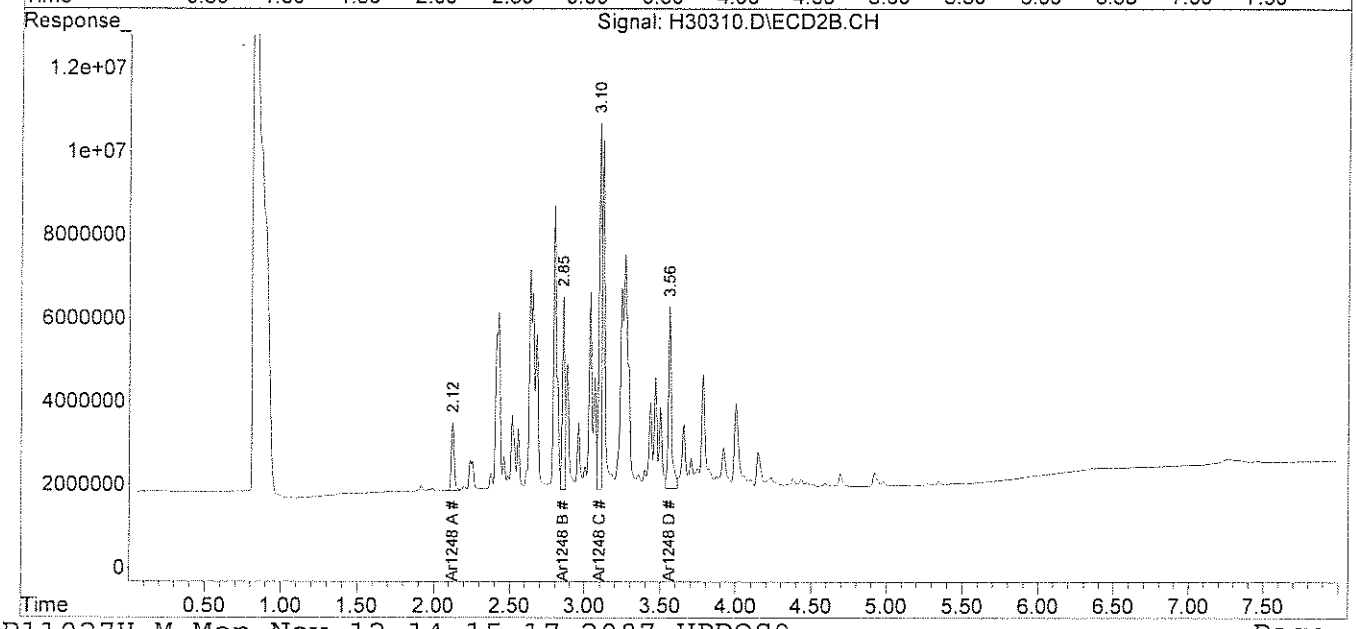
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\110807-H\
Data File : H30310.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Nov 2007 5:35 pm
Operator :
Sample : 60012-2, A/C, DL, 1:5000
Misc : SOIL
ALS Vial : 18 Sample Multiplier: 1

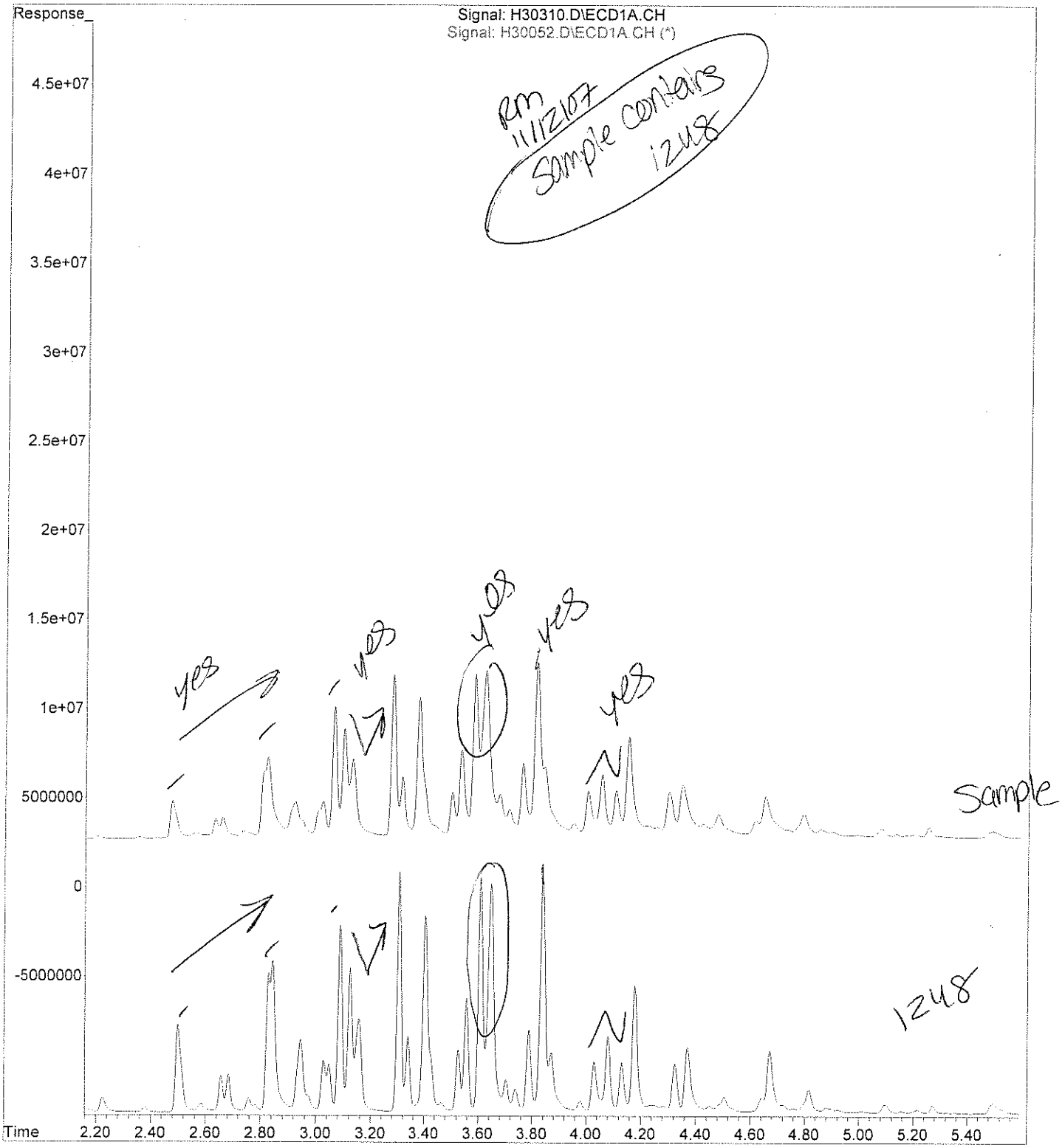
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 12 14:15:16 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11027H.M
Quant Title : Aroclor 1248
QLast Update : Thu Nov 08 16:13:37 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\110807-H\H30310.D
Operator :
Acquired : 08 Nov 2007 5:35 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60012-2, A/C, DL, 1:5000
Misc Info : SOIL
Vial Number: 18



*Slight shifting due to column cut

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November 13, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: MIT-SW-016

Lab Sample ID: 60012-3 DL
Matrix: Solid
Percent Solid: 97
Dilution Factor: 4480
Collection Date: 10/18/07
Lab Receipt Date: 10/22/07
Extraction Date: 10/29/07
Analysis Date: 11/08/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	148000	U
PCB-1221	148000	U
PCB-1232	148000	U
PCB-1242	148000	U
PCB-1248	148000	U
PCB-1254	148000	**1890000**
PCB-1260	148000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60012

Sample: 60012-3, A/C, DL, 1:1000

Data File: H30302.D

Dilution Factor: 4479.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	1802691	1893991	4.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

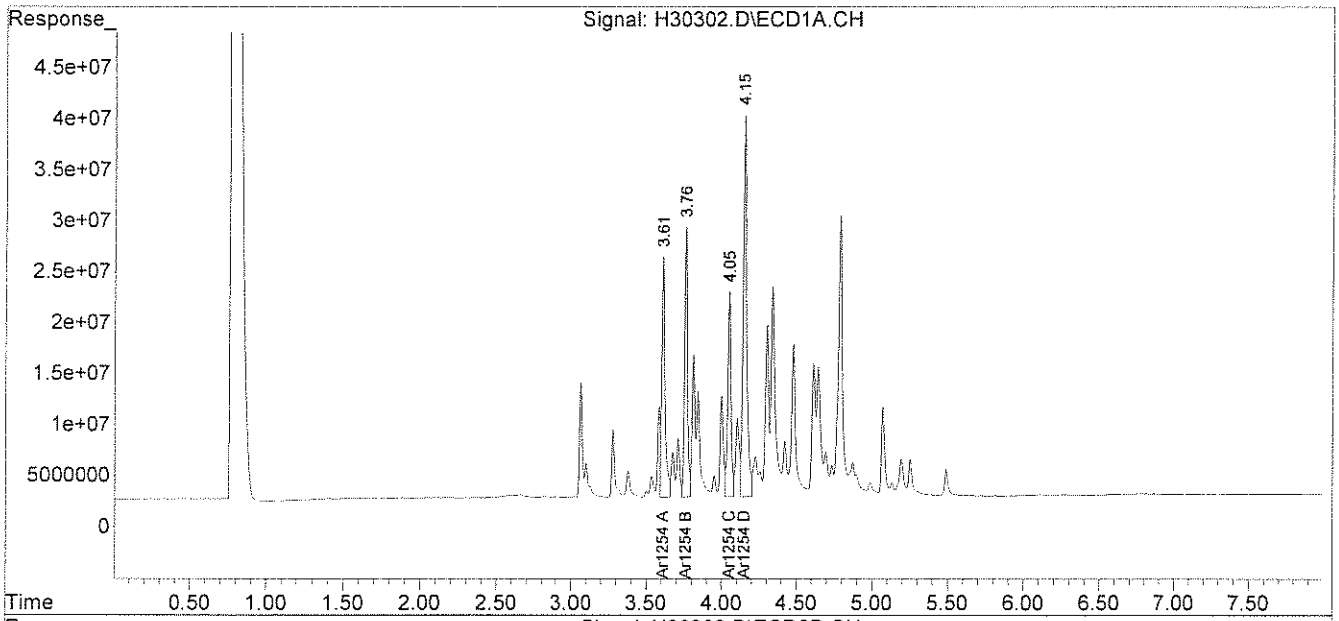
Comments: _____

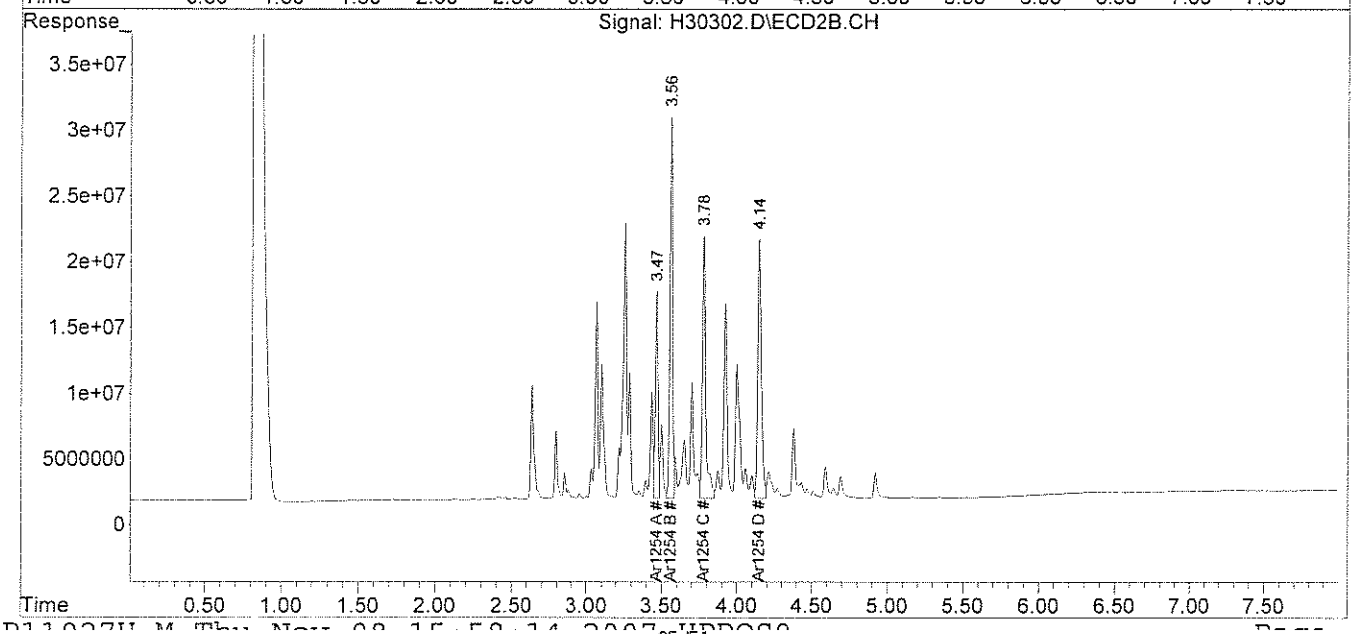
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\110807-H\
Data File : H30302.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Nov 2007 1:39 pm
Operator :
Sample : 60012-3, A/C, DL, 1:1000
Misc : SOIL
ALS Vial : 11 Sample Multiplier: 1

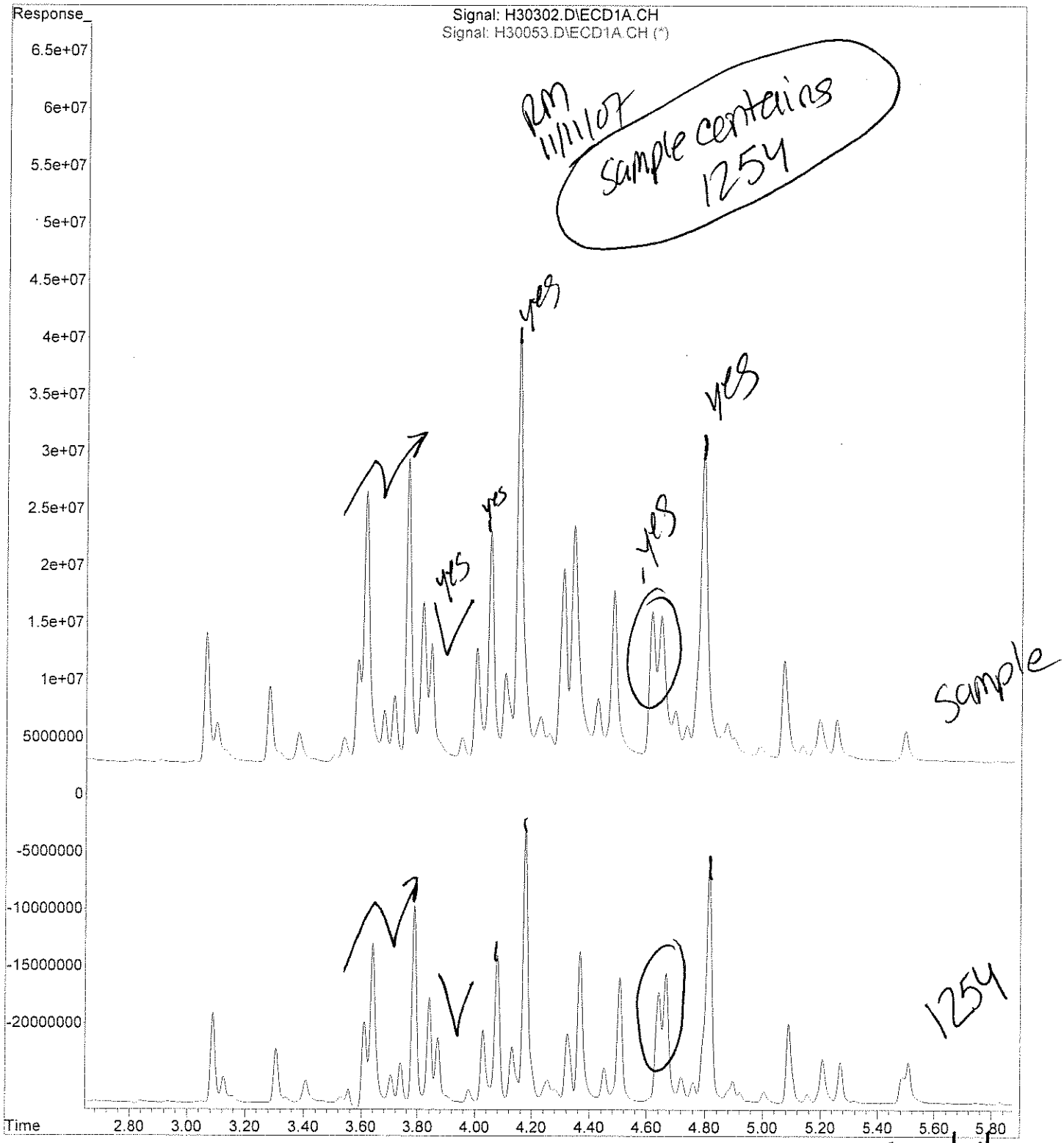
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 08 15:55:44 2007
Quant Method : C:\MSDCHEM\1\METHODS\54SP11027H.M
Quant Title : Aroclor 1254
QLast Update : Thu Nov 08 15:55:41 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File : C:\MSDChem\1\DATA\110807-H\H30302.D
Operator :
Acquired : 08 Nov 2007 1:39 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60012-3, A/C, DL, 1:1000
Misc Info : SOIL
Vial Number: 11



SUC 11/14/07

FRUSH SHIFTING CAUSE IN COLUMN CUT

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November 13, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: MIT-EW-001

Lab Sample ID: 60012-4 DL
Matrix: Solid
Percent Solid: 96
Dilution Factor: 264
Collection Date: 10/18/07
Lab Receipt Date: 10/22/07
Extraction Date: 10/29/07
Analysis Date: 11/08/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	8710	U
PCB-1221	8710	U
PCB-1232	8710	U
PCB-1242	8710	U
PCB-1248	8710	U
PCB-1254	8710	**22900**
PCB-1260	8710	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60012

Sample: 60012-4, A/C, DL, 1:50

Data File: H30303.D

Dilution Factor: 263.9

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	22939	20974	8.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

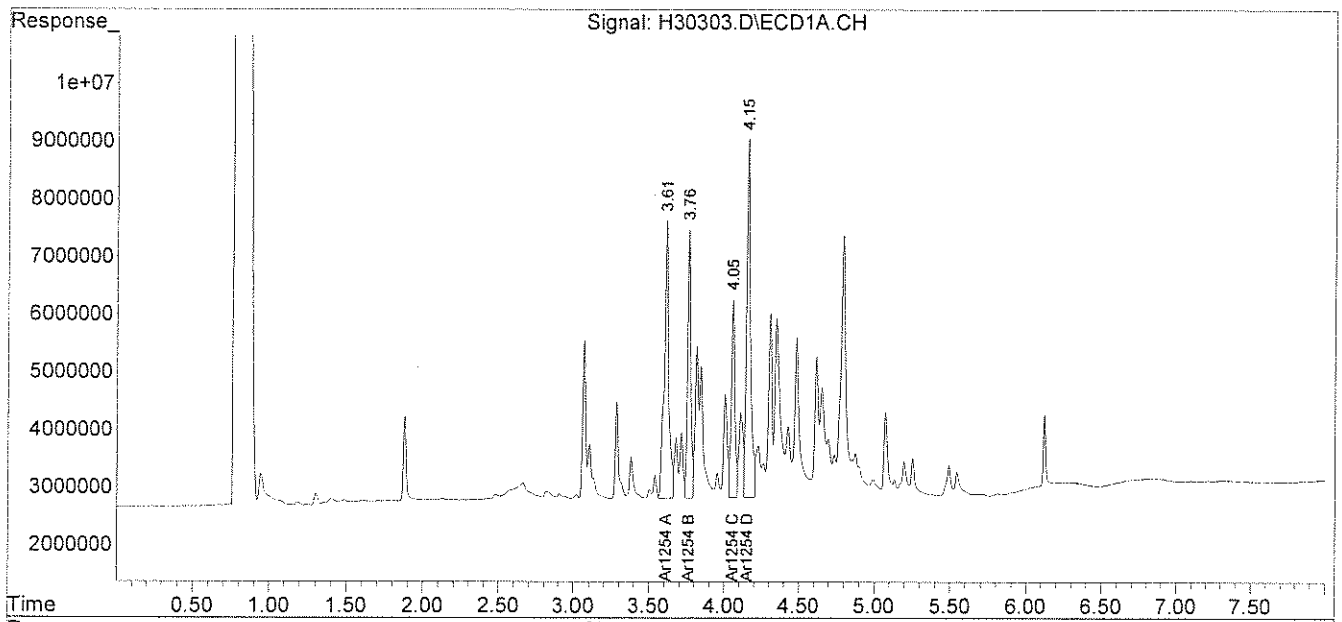
Comments: _____

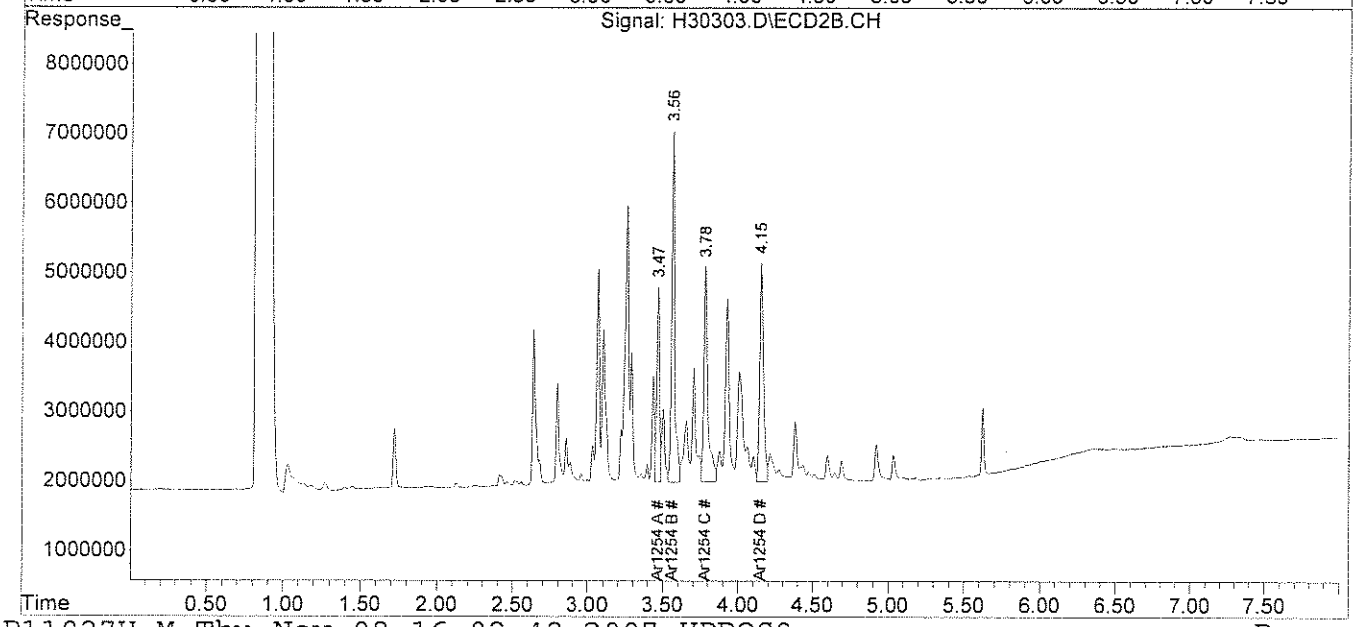
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\110807-H\
Data File : H30303.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Nov 2007 1:50 pm
Operator :
Sample : 60012-4, A/C, DL, 1:50
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

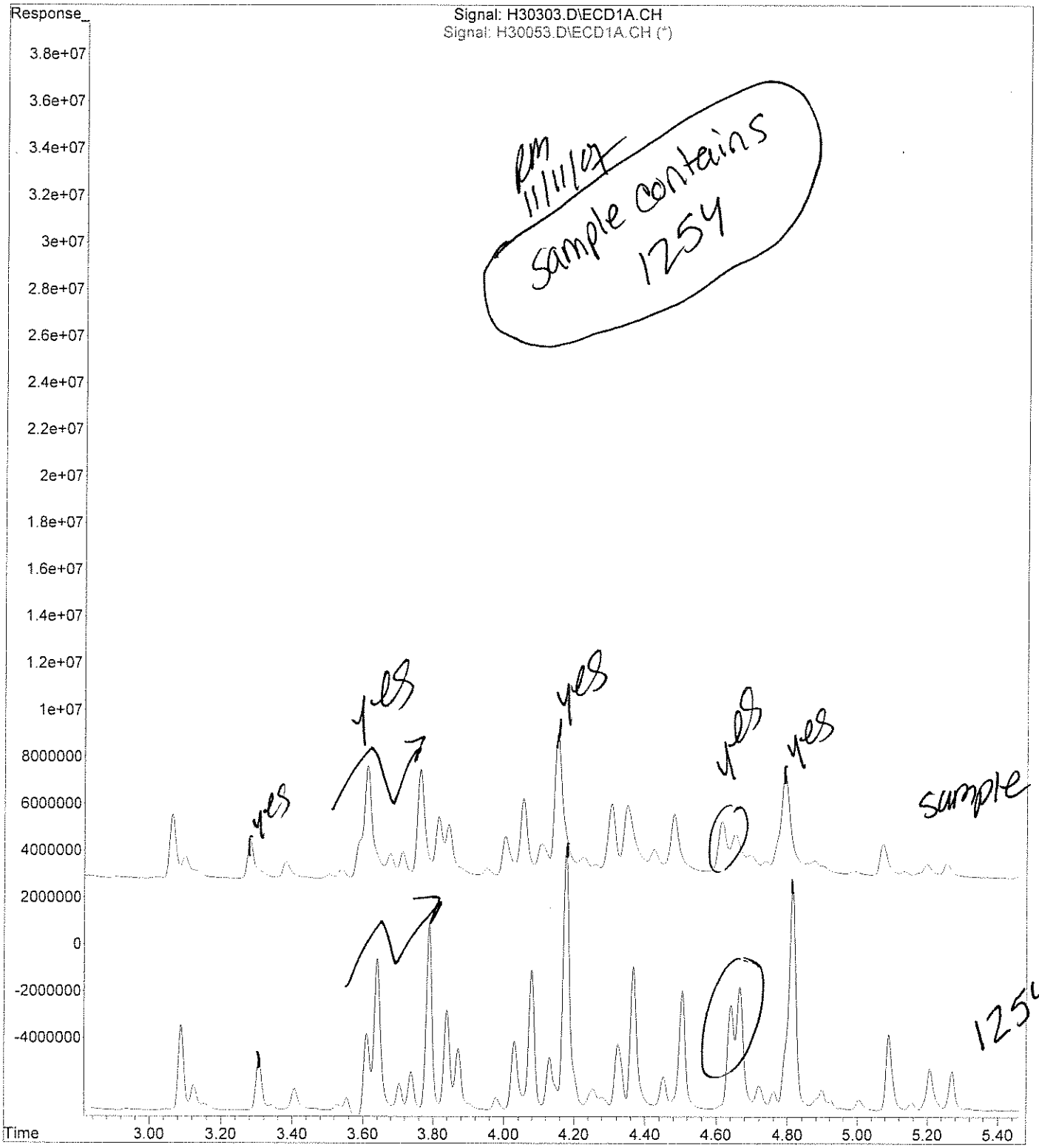
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 08 16:02:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\54SP11027H.M
Quant Title : Aroclor 1254
QLast Update : Thu Nov 08 15:55:41 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\110807-H\H30303.D
Operator :
Acquired : 08 Nov 2007 1:50 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60012-4, A/C, DL, 1:50
Misc Info : SOIL
Vial Number: 12



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November 14, 2007

SAMPLE DATA

Lab Sample ID: 60012-5
Matrix: Solid
Percent Solid: 94
Dilution Factor: 104
Collection Date: 10/18/07
Lab Receipt Date: 10/22/07
Extraction Date: 10/30/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-EW-002

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	3430	U
PCB-1221	3430	U
PCB-1232	3430	U
PCB-1242	3430	U
PCB-1248	3430	**6710**
PCB-1254	3430	U
PCB-1260	3430	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60012

Sample: 60012-5,A /C 1:100

Data File: H30538.D

Dilution Factor: 103.6

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	6312	6708	6.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

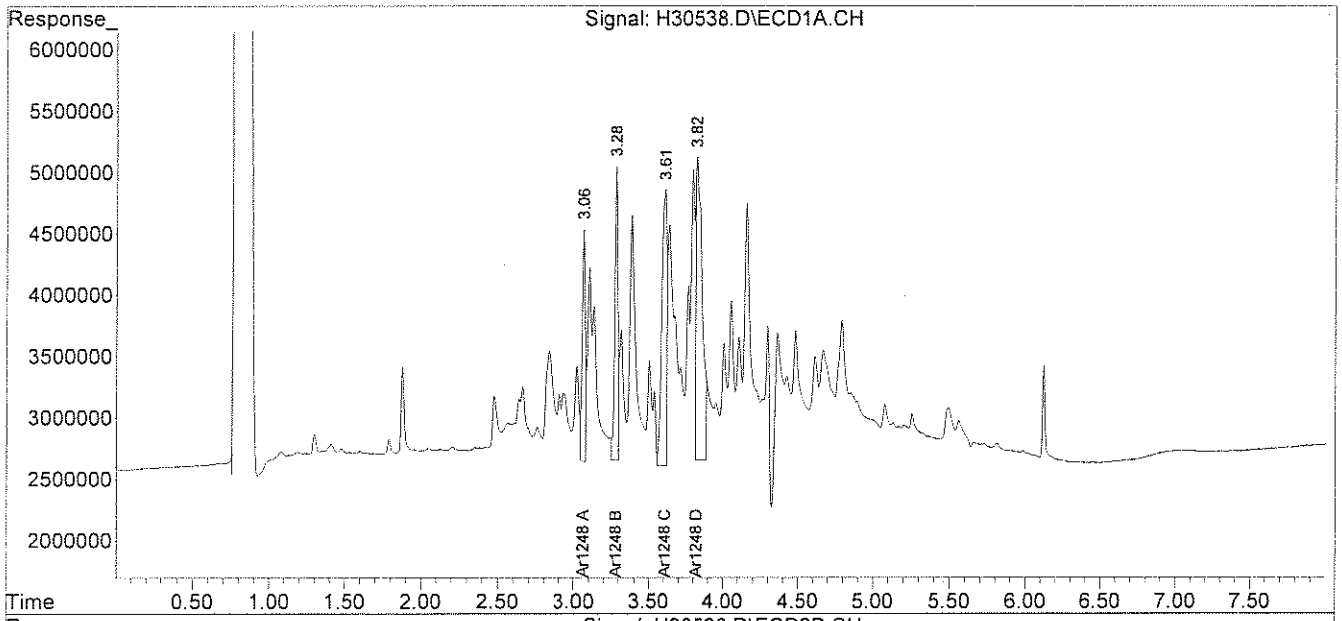
PCB FORM 10

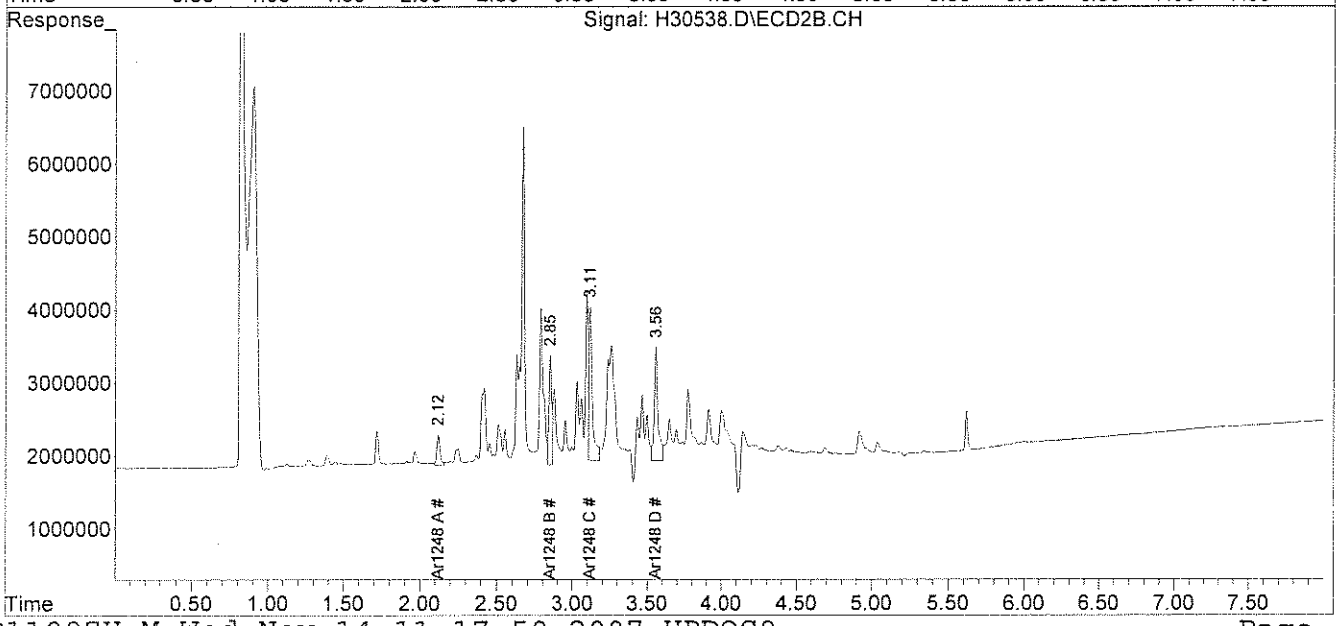
Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\111407-H\
Data File : H30538.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 9:30 am
Operator :
Sample : 60012-5,A /C 1:100
Misc : SOIL
ALS Vial : 8 Sample Multiplier: 1

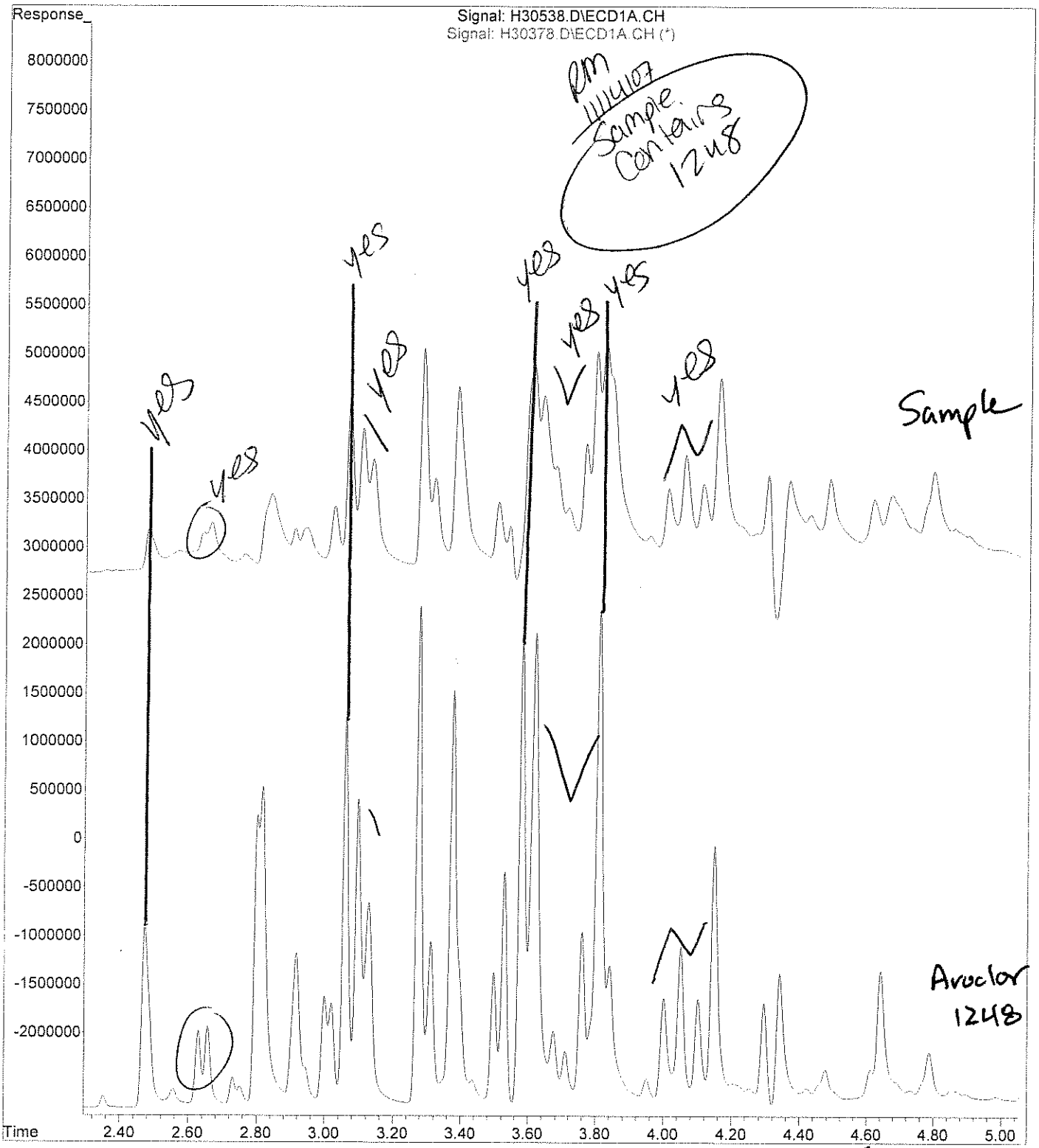
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 11:17:38 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11097H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 14 10:48:43 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File : C:\MSDChem\1\DATA\111407-H\H30538.D
Operator :
Acquired : 14 Nov 2007 9:30 am using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60012-5,A /C 1:100
Misc Info : SOIL
Vial Number: 8



SMC
11/14/07

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November 14, 2007

SAMPLE DATA

Lab Sample ID: 60012-6
Matrix: Solid
Percent Solid: 97
Dilution Factor: 2630
Collection Date: 10/18/07
Lab Receipt Date: 10/22/07
Extraction Date: 10/30/07
Analysis Date: 11/12/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-EW-003

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	86800	U
PCB-1221	86800	U
PCB-1232	86800	U
PCB-1242	86800	U
PCB-1248	86800	**1300000**
PCB-1254	86800	U
PCB-1260	86800	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60012

Sample: 60012-6 A/C, 1:2000

Data File: H30472.D

Dilution Factor: 2632.8

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	1296425	1167206	10.5	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

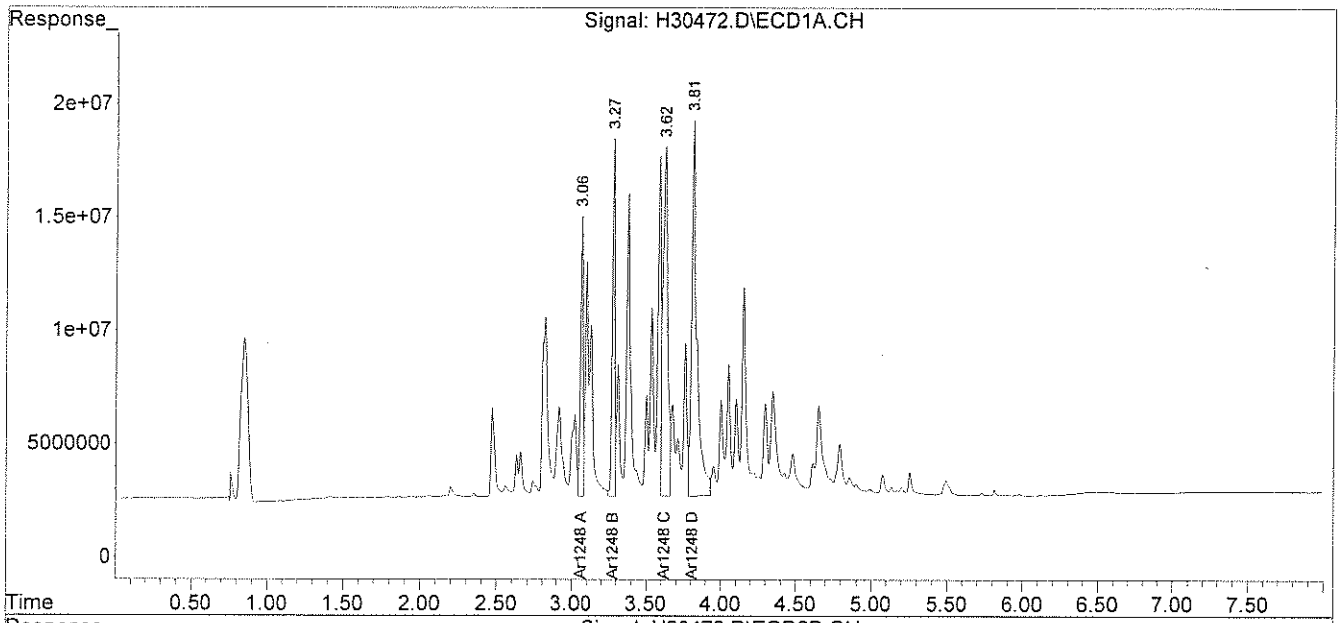
PCB FORM 10

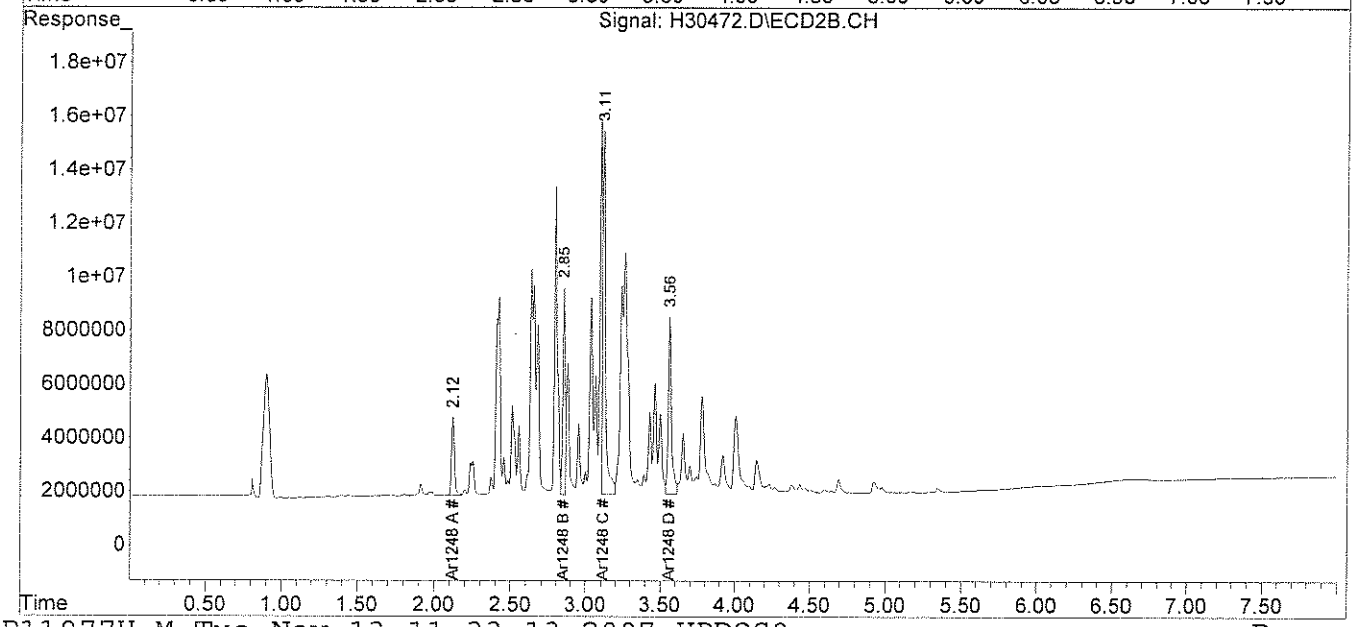
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111207-H\
Data File : H30472.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Nov 2007 11:03 pm
Operator :
Sample : 60012-6 A/C, 1:2000
Misc : SOIL
ALS Vial : 34 Sample Multiplier: 1

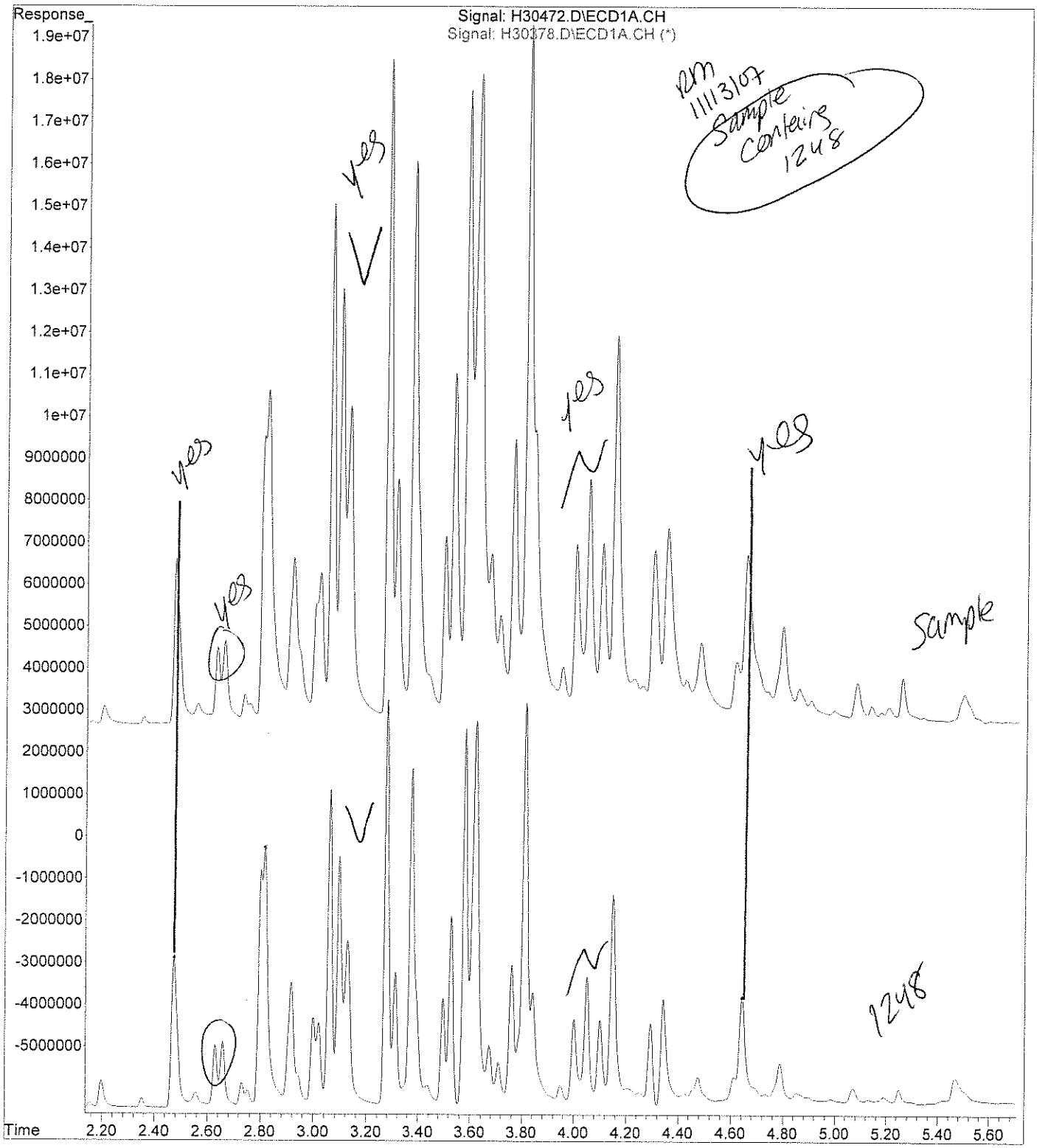
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 13 11:33:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11077H.M
Quant Title : Aroclor 1248
QLast Update : Thu Nov 08 16:13:37 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDCHEM\1\DATA\111207-H\H30472.D
Operator :
Acquired : 12 Nov 2007 11:03 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60012-6 A/C, 1:2000
Misc Info : SOIL
Vial Number: 34



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November 14, 2007

SAMPLE DATA

Lab Sample ID: 60012-7 DL
Matrix: Solid
Percent Solid: 96
Dilution Factor: 2038
Collection Date: 10/18/07
Lab Receipt Date: 10/22/07
Extraction Date: 10/30/07
Analysis Date: 11/08/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-EW-004

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	67300	U
PCB-1221	67300	U
PCB-1232	67300	U
PCB-1242	67300	U
PCB-1248	67300	**529000**
PCB-1254	67300	U
PCB-1260	67300	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60012

Sample: 60012-7, A/C, DL, 1:1000

Data File: H30313.D

Dilution Factor: 2037.5

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	529474	455085	15.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

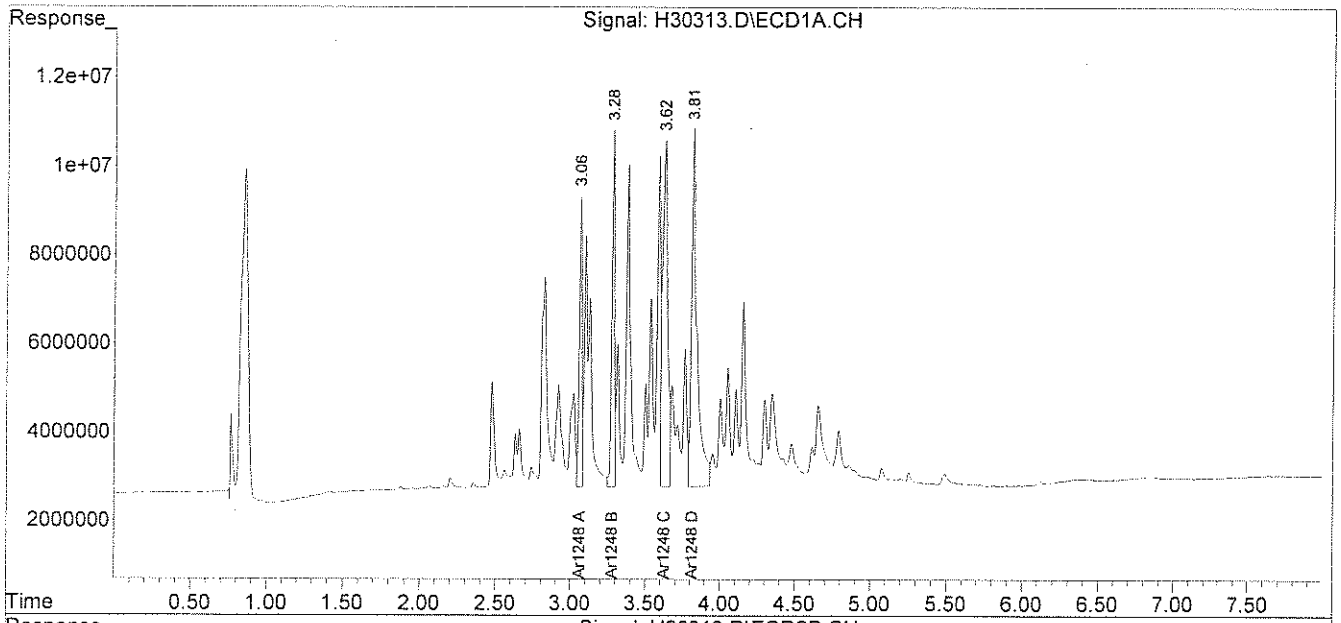
Comments: _____

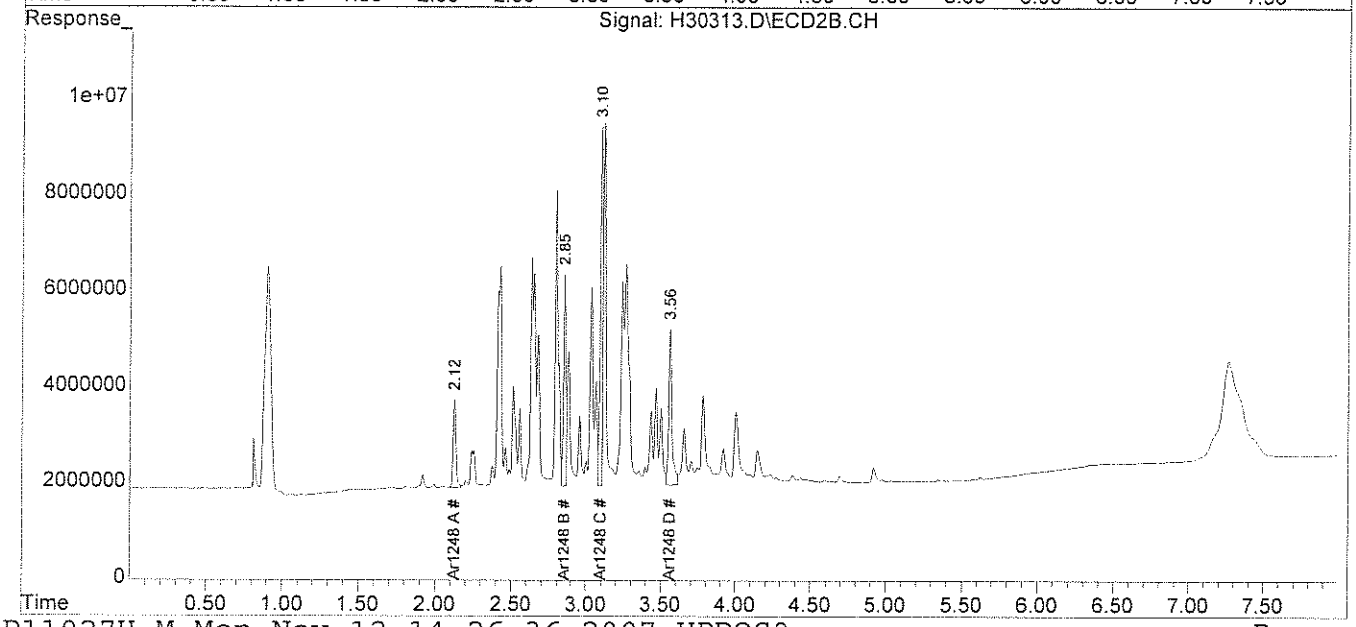
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\110807-H\
Data File : H30313.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Nov 2007 6:07 pm
Operator :
Sample : 60012-7, A/C, DL, 1:1000
Misc : SOIL
ALS Vial : 21 Sample Multiplier: 1

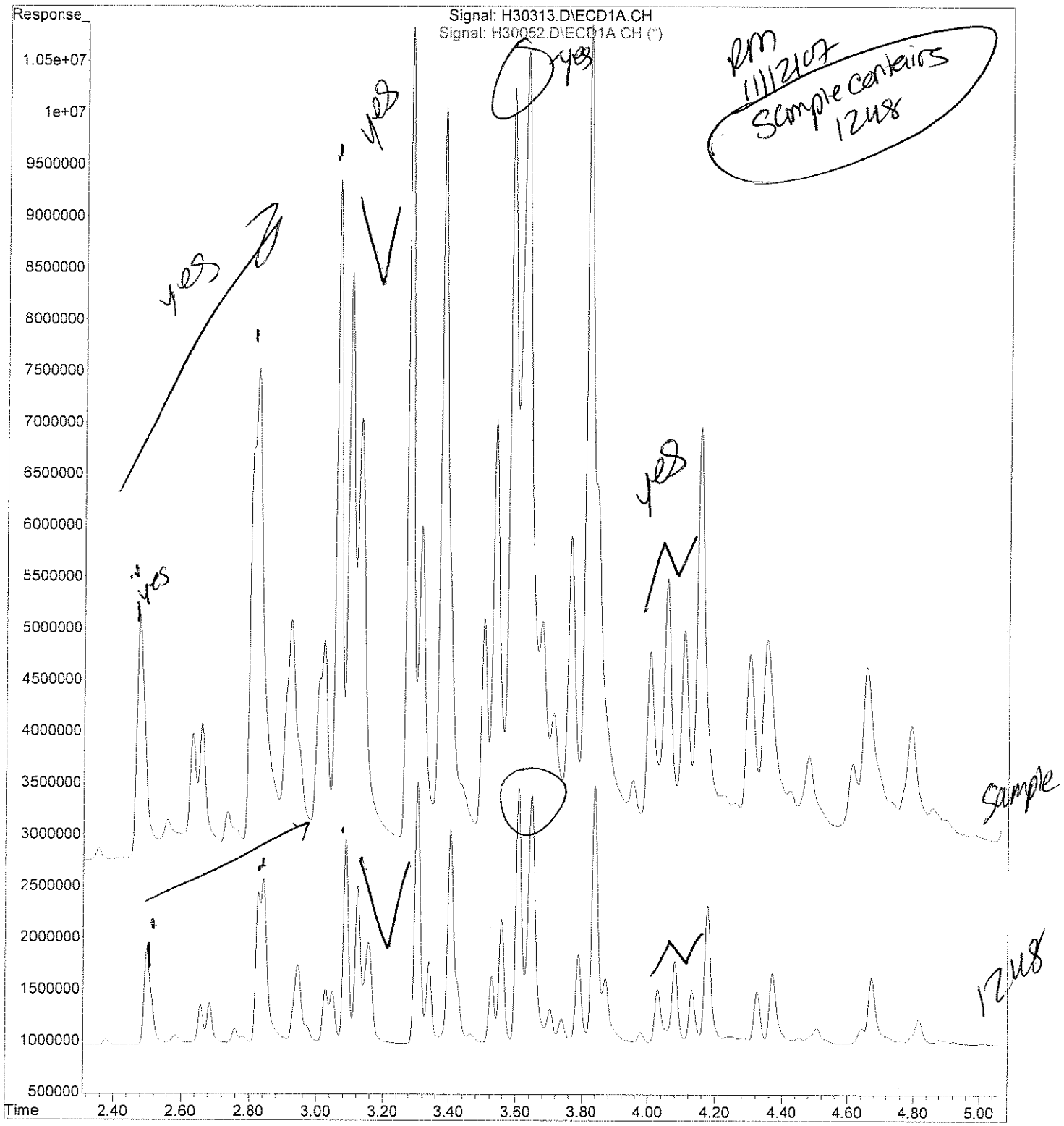
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 12 14:26:36 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11027H.M
Quant Title : Aroclor 1248
QLast Update : Thu Nov 08 16:13:37 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\110807-H\H30313.D
Operator :
Acquired : 08 Nov 2007 6:07 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60012-7, A/C, DL, 1:1000
Misc Info : SOIL
Vial Number: 21



Retention shifting due to column cut

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November 14, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: MIT-EW-005

Lab Sample ID: 60012-8 DL
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1005
Collection Date: 10/18/07
Lab Receipt Date: 10/22/07
Extraction Date: 10/30/07
Analysis Date: 11/08/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33200	U
PCB-1221	33200	U
PCB-1232	33200	U
PCB-1242	33200	U
PCB-1248	33200	**496000**
PCB-1254	33200	U
PCB-1260	33200	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene * %
Decachlorobiphenyl * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60012

Sample: 60012-8, A/C, DL, 1:1000

Data File: H30314.D

Dilution Factor: 1004.8

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	496148	472515	4.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

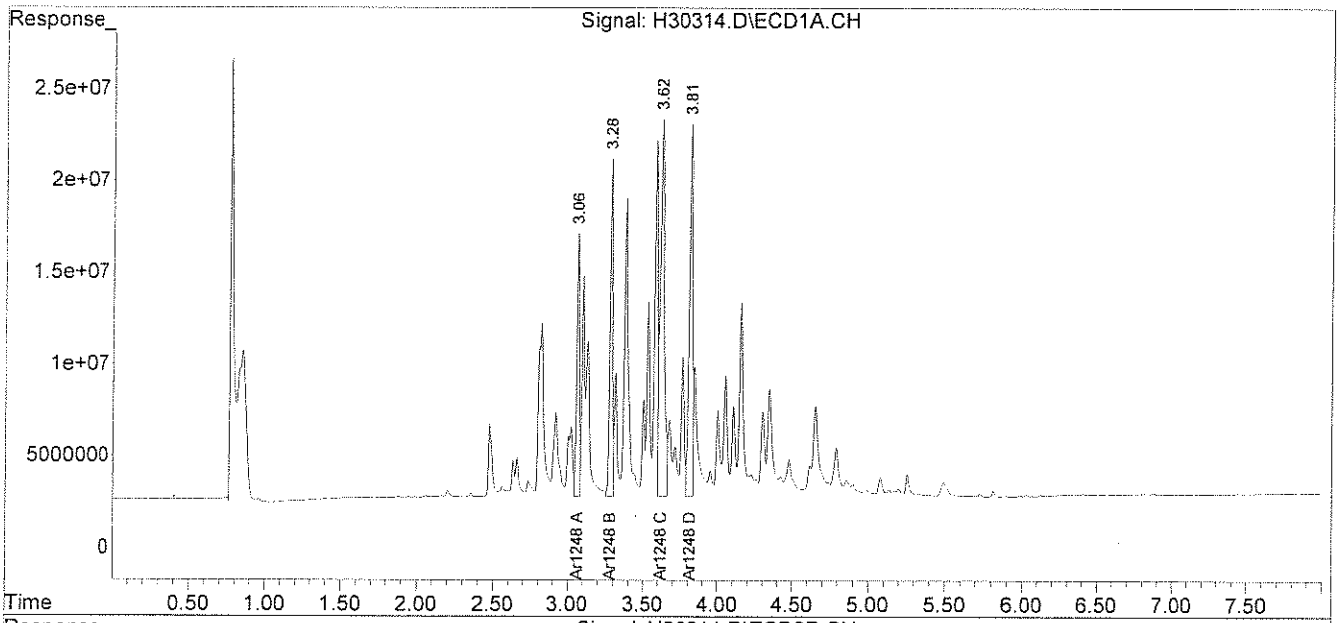
Comments: _____

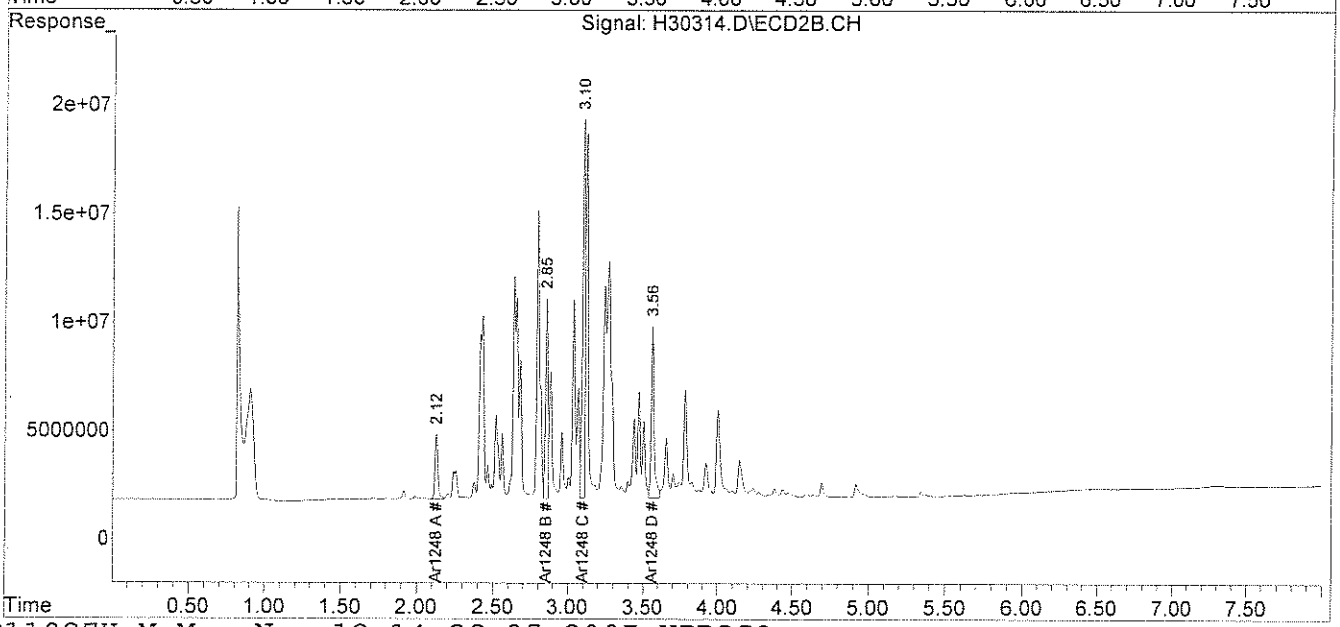
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\110807-H\
Data File : H30314.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Nov 2007 6:17 pm
Operator :
Sample : 60012-8, A/C, DL, 1:1000
Misc : SOIL
ALS Vial : 22 Sample Multiplier: 1

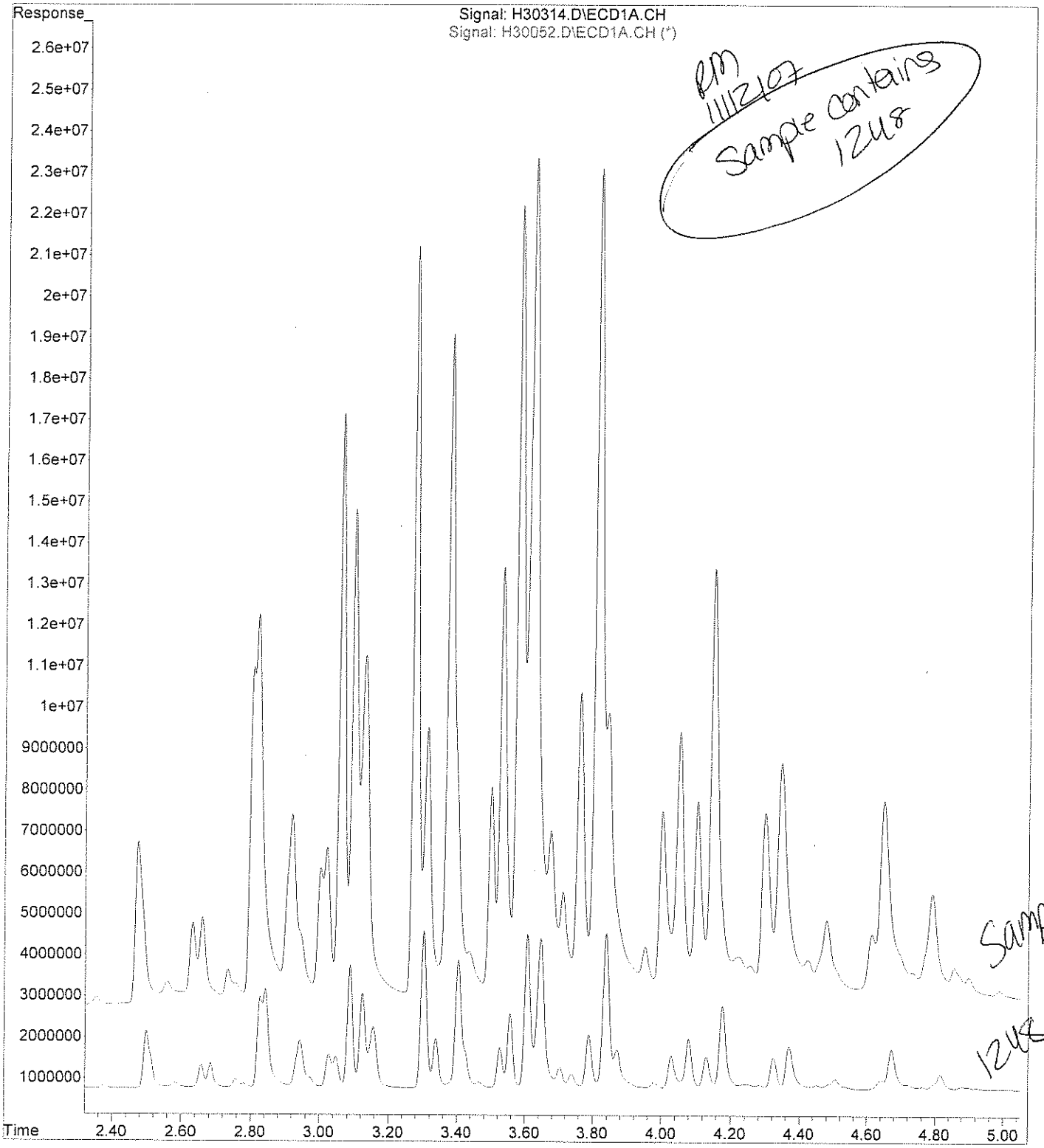
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 12 14:28:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11027H.M
Quant Title : Aroclor 1248
QLast Update : Thu Nov 08 16:13:37 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\110807-H\H30314.D
Operator :
Acquired : 08 Nov 2007 6:17 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60012-8, A/C, DL, 1:1000
Misc Info : SOIL
Vial Number: 22



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PCB
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PCBQC.doc

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PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60012

Non-spiked sample: B10297PSOX A/C

Spike: L10297PSOX A/C

Spike duplicate: LD10297PSOX A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	189	95		192	96		1.2	
PCB 1260	200	200	60	130	30	0	189	94		195	97		3.0	
PCB 1016 #2	200	200	65	140	30	0	262	131		229	114		13.5	
PCB 1260 #2	200	200	60	130	30	0	186	93		191	96		2.8	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60012

Non-spiked sample: B10307PSOX, A/C

Spike: L10307PSOX, A/C

Spike duplicate: LD10307PSOX, A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	181	90		186	93		3.0	
PCB 1260	200	200	60	130	30	0	193	96		195	97		1.0	
PCB 1016 #2	200	200	65	140	30	0	229	114		253	126		10.1	
PCB 1260 #2	200	200	60	130	30	0	194	97		197	99		1.6	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

CHAIN OF CUSTODIES

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 1, 10/1/02

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 5.0
3) Received in good condition Y or N
4) pH checked by: DA
5) Labels checked by: NF 10-22-07

Project#: 210792 Proj. Name: Lincoln Labs
Company: Woodard &Curran
Contact: Amy Wallace awallace@woodardcurran.com
Address: 35 New England Business Center Suite 180
Andover, MA 01810
Phone: (978)557-8150 PO# Quote #
Sampler (Signature): Kri B. Stuns

Matrix Key:
conc=concrete
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MIT-SW-014	10/18/07	1400	PCBs 8082		✓						conc	1	G		60012-1
MIT-SW-015		1407			✓							1	G		2
MIT-SW-016		1419			✓							1	G		3
MIT-EW-001		1421			✓							1	G		4
MIT-EW-002		1428			✓							1	G		5
MIT-EW-003		1435			✓							1	G		6
MIT-EW-004		1492			✓							1	G		7
MIT-EW-005		1449			✓							1	G		8

Relinquished By Sampler:	Time:	Received By:	Time:	Received By:	Time:
Kri B. Stuns	12:04	Daniel Adams 10/19/07 12:04	2:20	Kri B. Stuns 10/19/07 1420	14:29
Date: 10/18/07		Date: 10/19/07		Date: 10/22/07	

Email RESULTS? YES NO
Email see above
Fax RESULTS? YES NO
Fax#

Turnaround Request
Standard ☒ Due Date
Priority ☐ Due Date

Comments / Instructions:

TSCA Project: use EPA 3540 SOXHLET

MIT-EW-003 Broken jar Transfer at AEL MJG 10-22-07

Page___ of___

Analytics\AEL Documents\AEL COC

analytics environmental laboratory LLC

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November 16, 2007

Mr. Jeff Hamel
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

RE: **Analytical Results Case Narrative**
Analytics # 60052
MIT-Lincoln Labs Proj# 210792

Dear Mr. Hamel;

Enclosed please find the analytical results for samples submitted for the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level II data package has been assembled in the following order:

Case Narrative/Non-Conformance Summary
Sample Log Sheet - Cover Page
PCB Form 1 Data Sheet for Samples and Blanks
Chromatograms
PCB Form 10 Confirmation Results
PCB Form 3 MS/MSD (LCS) Recoveries
Chain of Custody (COC) Forms

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

PCBs by EPA Method 8082:
No QC deviations.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

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Mr. Jeff Hamel
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 60052

Revision: Rev. 0

Re: MIT-Lincoln Labs **210792**

Enclosed are the results of the analyses on your sample(s). Samples were received on 26 October 2007 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
60052-1	10/26/07	MIT-WW-006	EPA 8082 (PCBs only)	
60052-2	10/26/07	MIT-WW-051	EPA 8082 (PCBs only)	
60052-3	10/26/07	MIT-WW-090	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Pennsylvania, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 11/16/07

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analytics environmental laboratory LLC

Surrogate Compound Limits

Matrix:	Aqueous	Solid	
Units:	% Recovery	% Recovery	Method
Volatile Organic Compounds - Drinking Water			
1,4-Difluorobenzene	70-130		EPA 524.2
Bromofluorobenzene	70-130		
1,2-Dichlorobenzene-d4	70-130		
Volatile Organic Compounds			
1,2-Dichloroethane-d4	70-130	70-130	EPA 8260B
Toluene-d8	70-130	70-130	
Bromofluorobenzene	70-130	70-130	
Semi-Volatile Organic Compounds			
2-Fluorophenol	20-110	35-105	EPA 624/8270C
d5-Phenol	15-110	40-100	
d5-nitrobenzene	40-110	35-100	
2-Fluorobiphenyl	50-110	45-105	
2,4,6-Tribromophenol	40-110	40-125	
d14-p-terphenyl	50-130	30-125	
PAH's by SIM			
d5-nitrobenzene	21-110	35-110	EPA 8270C
2-Fluorobiphenyl	36-121	45-105	
d14-p-terphenyl	33-141	30-125	
Pesticides and PCBs			
2,4,5,6-Tetrachloro-m-xylene (TCX)	46-122	40-130	EPA 608/8082
Decachlorobiphenyl (DCB)	26-86	40-130	
Herbicides			
Dichloroacetic acid (DCAA0	30-150	30-150	
Gasoline Range Organics/TPH Gasoline			
Trifluorotoluene TFT (FID)	60-140	60-140	MEDEP 4217/EPA 8015
Bromofluorobenzene (BFB) (FID)	60-140	60-140	
Trifluorotoluene TFT (PID)	60-140	60-140	
Bromofluorobenzene (BFB) (PID)	60-140	60-140	
Diesel Range Organics/TPH Diesel			
m-terphenyl	60-140	60-140	MEDEP 4125/EPA 8015

analytics environmental laboratory LLC

PCB
DATA SUMMARIES

analytics environmental laboratory LLC

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Mr. Jeff Hamel
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Andover MA 01810

November 16, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: MIT-Lincoln Labs

Project Number: 210792

Field Sample ID: Lab QC

Lab Sample ID: B10297PW RR
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/29/07
Analysis Date: 11/01/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	68	%
Decachlorobiphenyl	43	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB Report

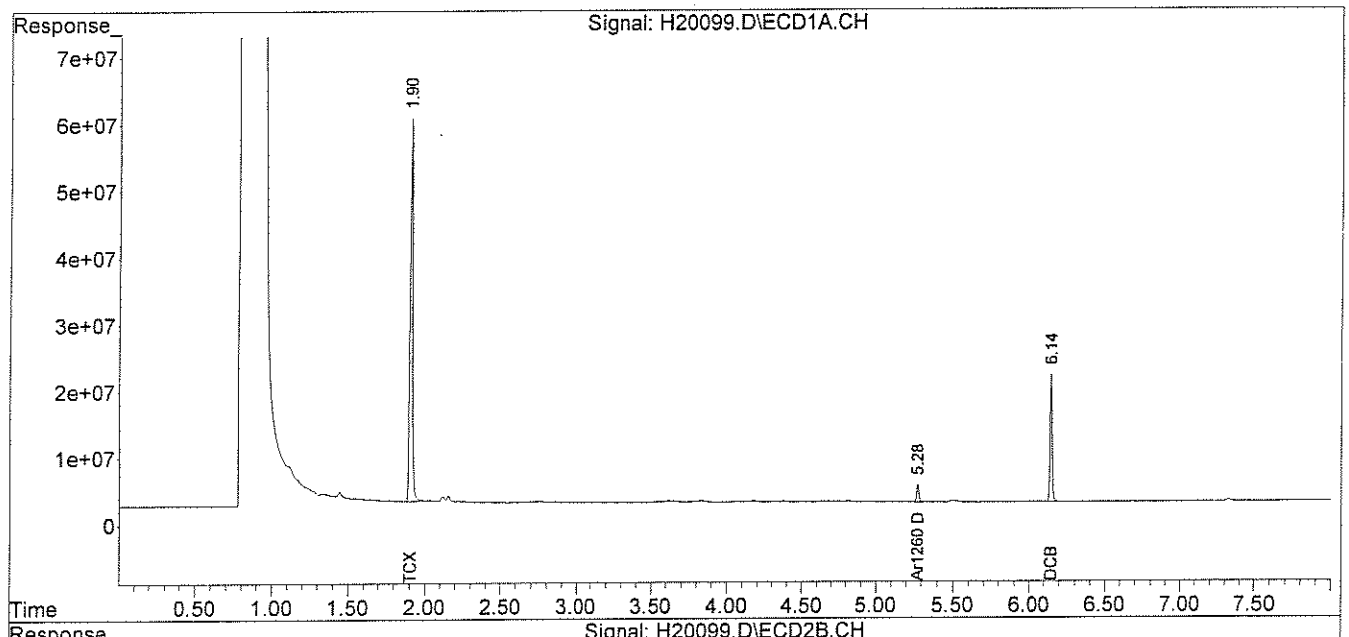
Authorized signature

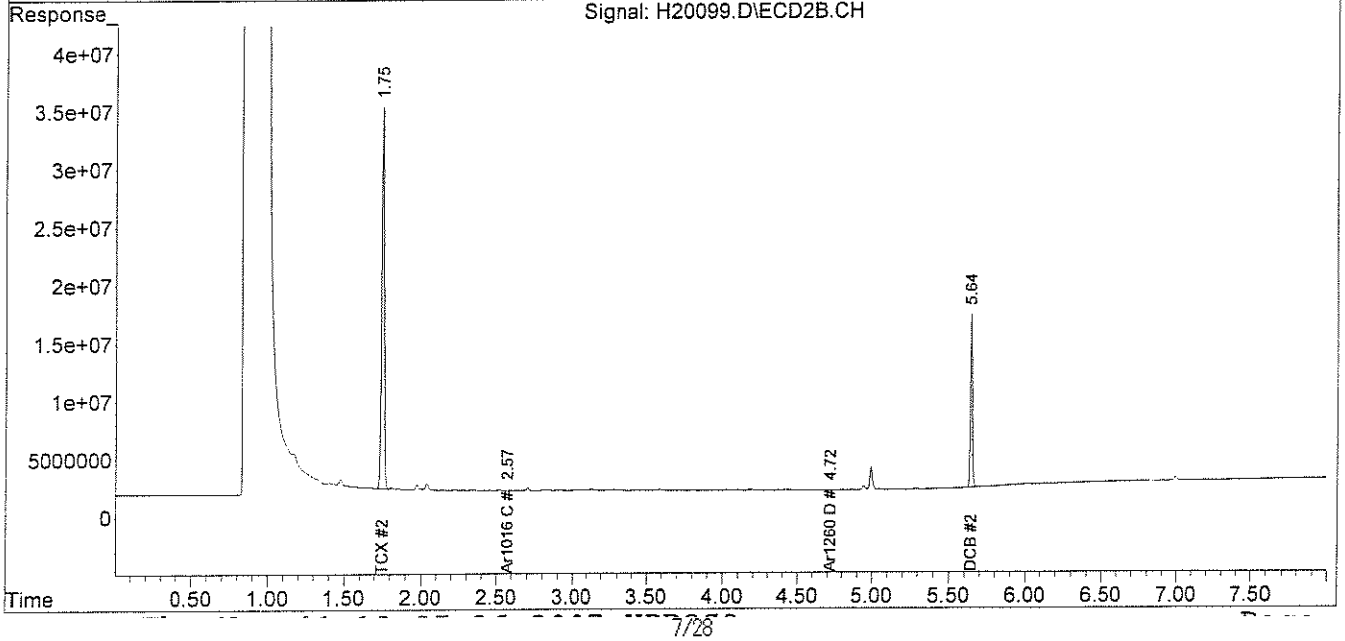
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\103107-H\
Data File : H20099.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Nov 2007 11:03 am
Operator :
Sample : B10297PW, RR
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 01 12:27:36 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ10307.M
Quant Title : Aroclor 1016/1260
QLast Update : Thu Nov 01 09:28:50 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

November 16, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: MIT-Lincoln Labs

Project Number: 210792

Field Sample ID: Lab QC

Lab Sample ID: B10307PSOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/30/07
Analysis Date: 11/02/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	97	%
Decachlorobiphenyl	112	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

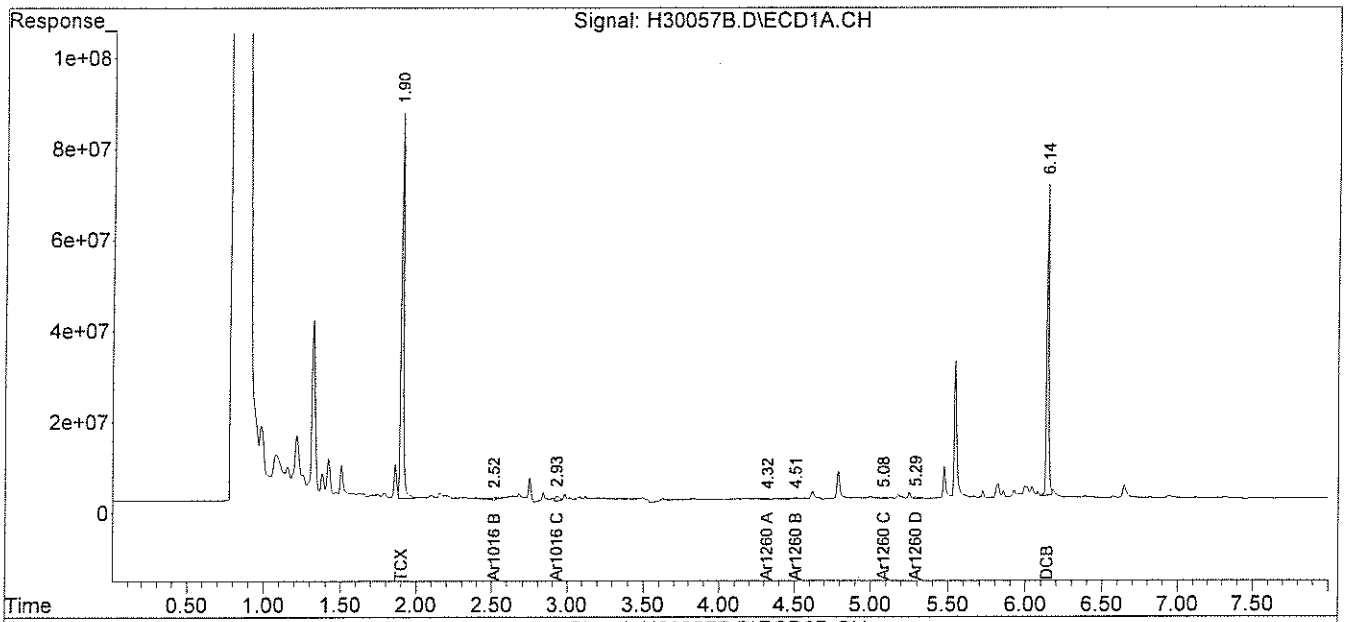
Authorized signature

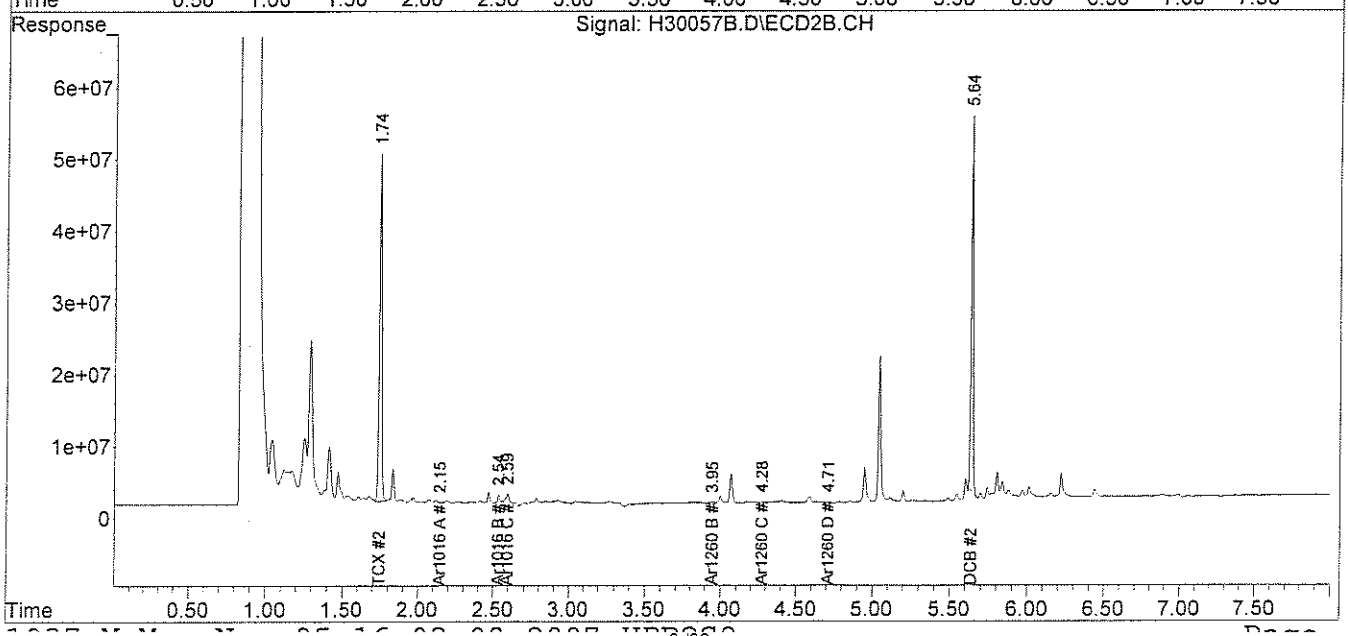
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\110207-H\
Data File : H30057B.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 Nov 2007 6:28 pm
Operator :
Sample : B10307PSOX, A/C
Misc : SOIL
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 05 16:02:07 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ11027.M
Quant Title : Aroclor 1016/1260
QLast Update : Fri Nov 02 14:25:35 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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Andover MA 01810

November 15, 2007

SAMPLE DATA

Lab Sample ID: B10317PW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/31/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: MIT-Lincoln Labs
Project Number: 210792
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	84	%
Decachlorobiphenyl	56	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB Report

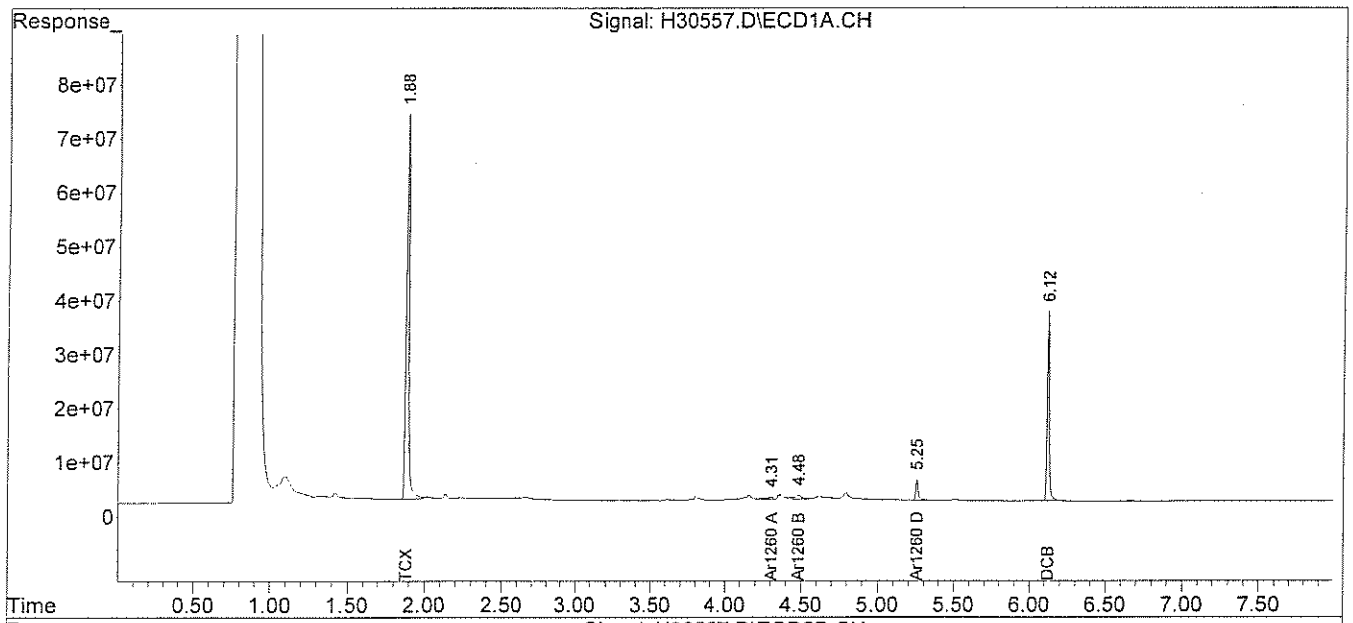
Authorized signature

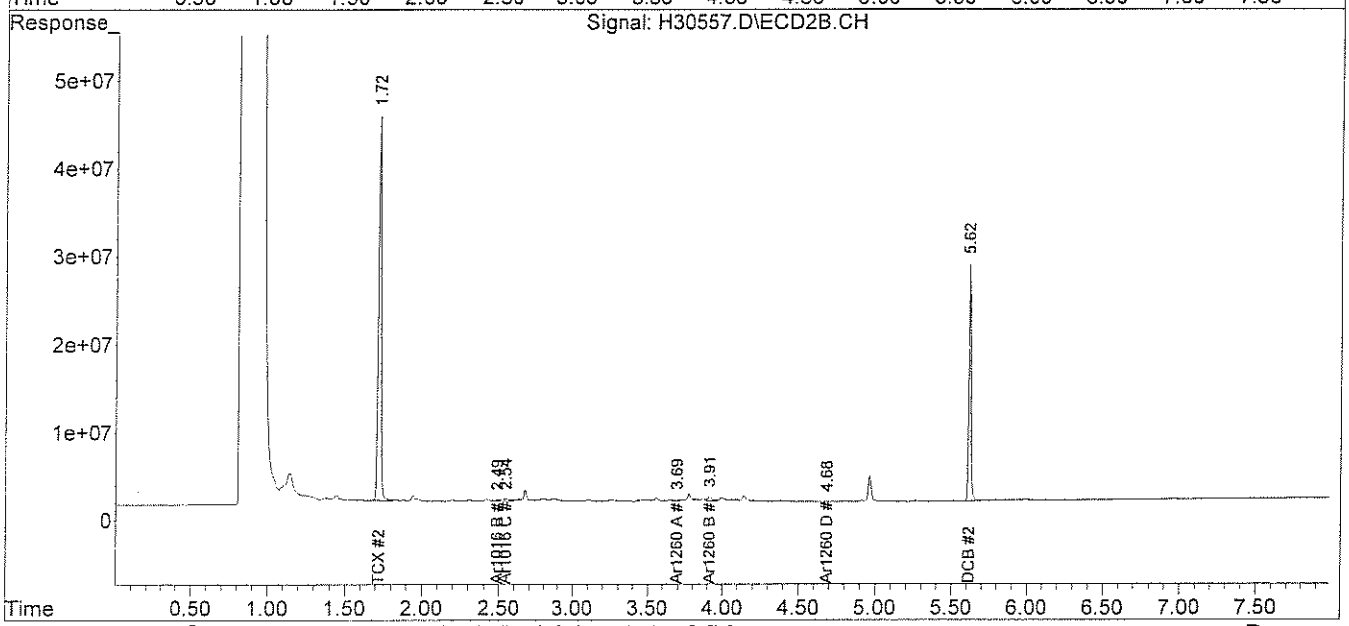
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111407-H\
Data File : H30557.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 12:53 pm
Operator :
Sample : B10317PW
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 13:49:55 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ11097.M
Quant Title : Aroclor 1016/1260
QLast Update : Sun Nov 11 17:50:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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Andover MA 01810

November 15, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: MIT-Lincoln Labs

Project Number: 210792

Field Sample ID: MIT-WW-006

Lab Sample ID: 60052-1 DL
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1995
Collection Date: 10/26/07
Lab Receipt Date: 10/26/07
Extraction Date: 10/30/07
Analysis Date: 11/14/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	65800	U
PCB-1221	65800	U
PCB-1232	65800	U
PCB-1242	65800	U
PCB-1248	65800	**613000**
PCB-1254	65800	U
PCB-1260	65800	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

analytics environmental laboratory LLC

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60052

Sample: 60052-1, DL, 1:2000

Data File: H30561.D

Dilution Factor: 1994.6

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	613457	556832	9.7	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

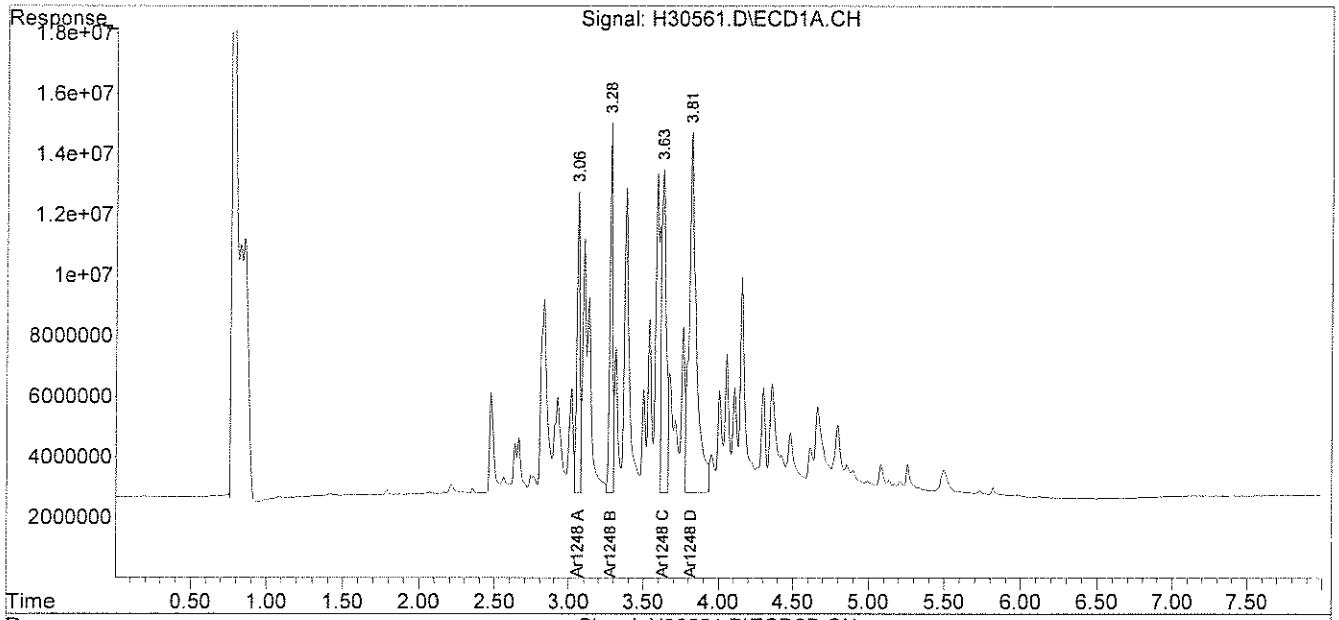
Comments: _____

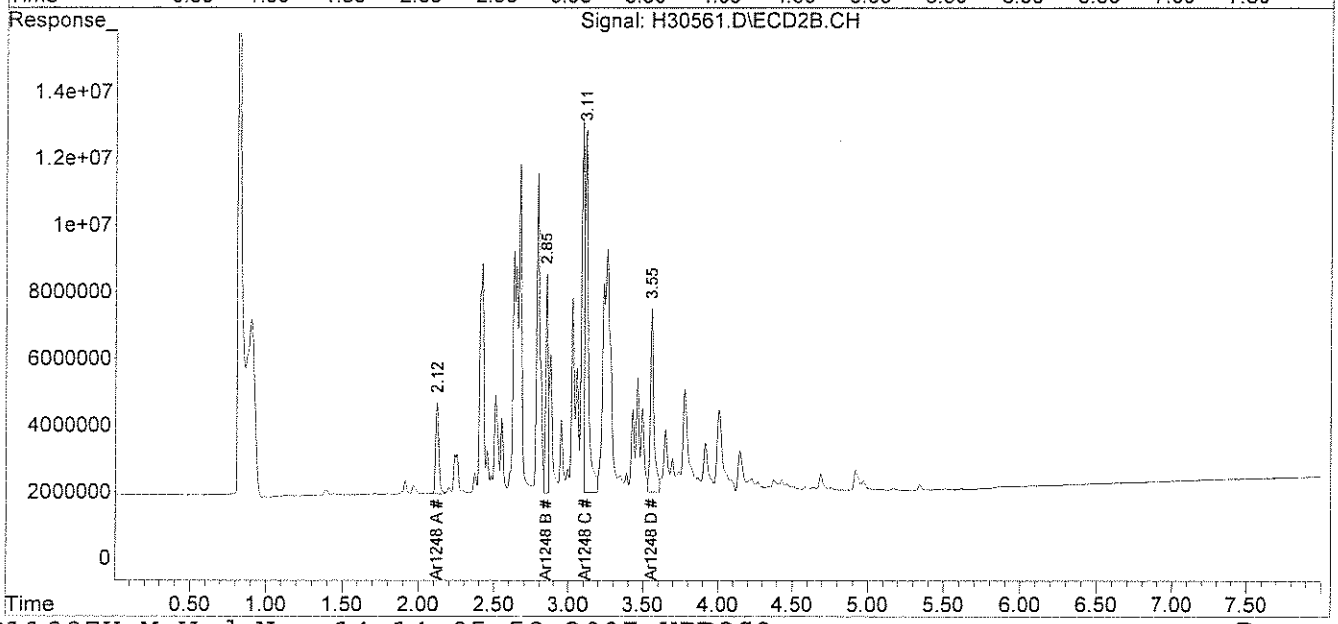
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111407-H\
Data File : H30561.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 1:35 pm
Operator :
Sample : 60052-1, DL, 1:2000
Misc :
ALS Vial : 31 Sample Multiplier: 1

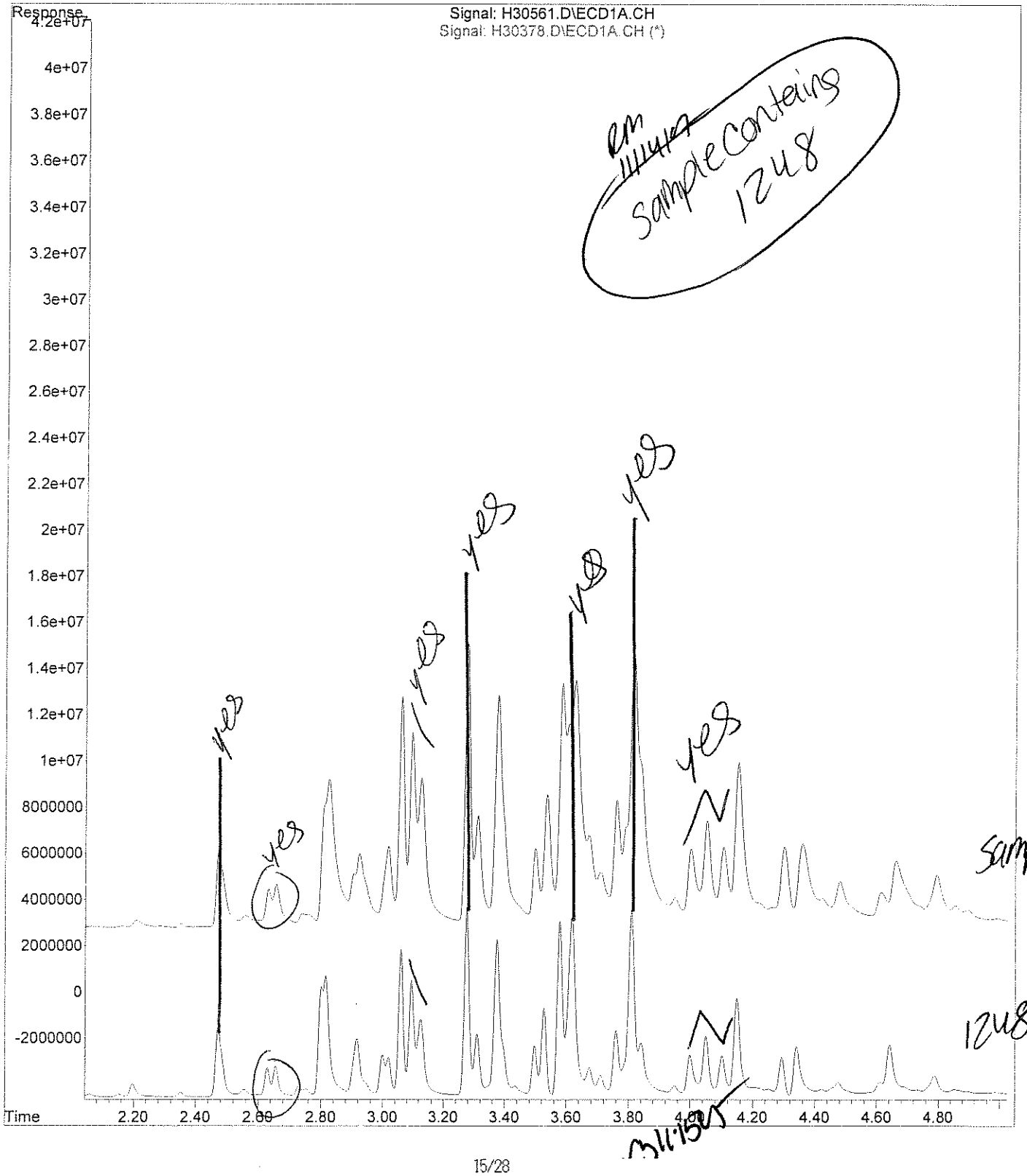
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 14:05:59 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11097H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 14 10:48:43 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDCHEM\1\DATA\111407-H\H30561.D
Operator :
Acquired : 14 Nov 2007 1:35 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60052-1, DL, 1:2000
Misc Info :
Vial Number: 31



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Andover MA 01810

November 15, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: MIT-Lincoln Labs

Project Number: 210792

Field Sample ID: MIT-WW-051

Lab Sample ID: 60052-2 DL
Matrix: Solid
Percent Solid: 95
Dilution Factor: 4965
Collection Date: 10/26/07
Lab Receipt Date: 10/26/07
Extraction Date: 10/30/07
Analysis Date: 11/14/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	164000	U
PCB-1221	164000	U
PCB-1232	164000	U
PCB-1242	164000	U
PCB-1248	164000	**1050000**
PCB-1254	164000	U
PCB-1260	164000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60052

Sample: 60052-2, DL, 1:5000

Data File: H30562.D

Dilution Factor: 4965.3

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	977360	1053015	7.5	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

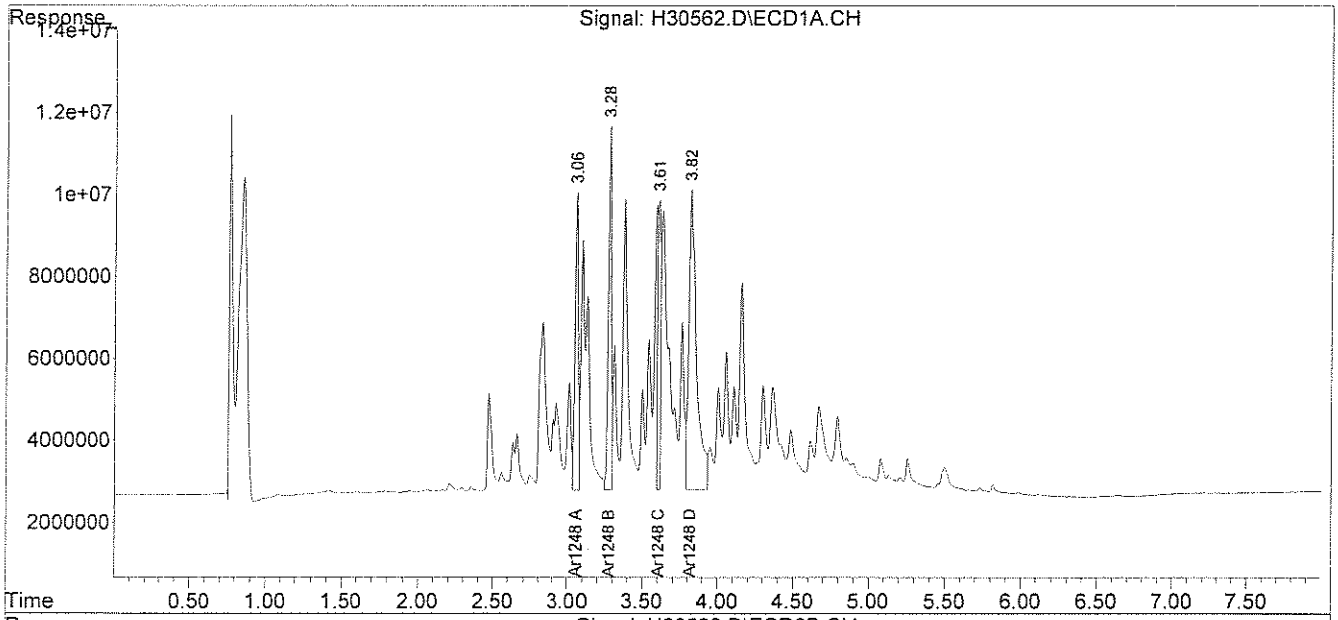
Comments: _____

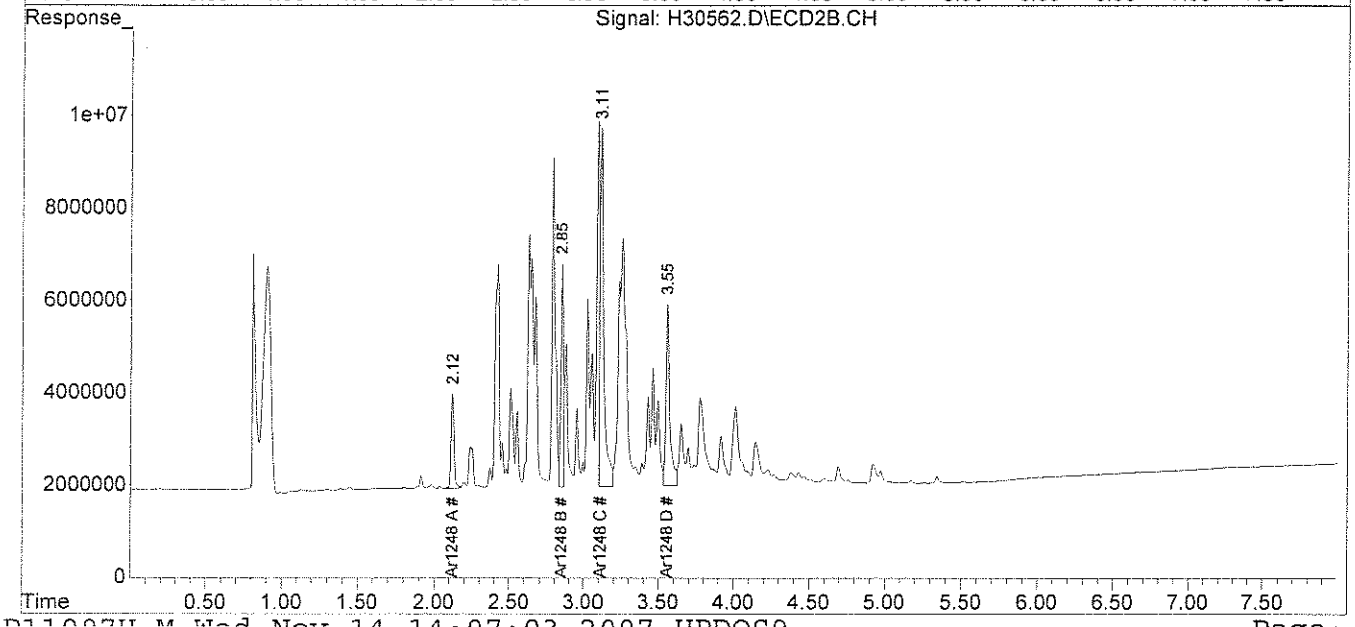
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111407-H\
Data File : H30562.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 1:46 pm
Operator :
Sample : 60052-2, DL, 1:5000
Misc :
ALS Vial : 32 Sample Multiplier: 1

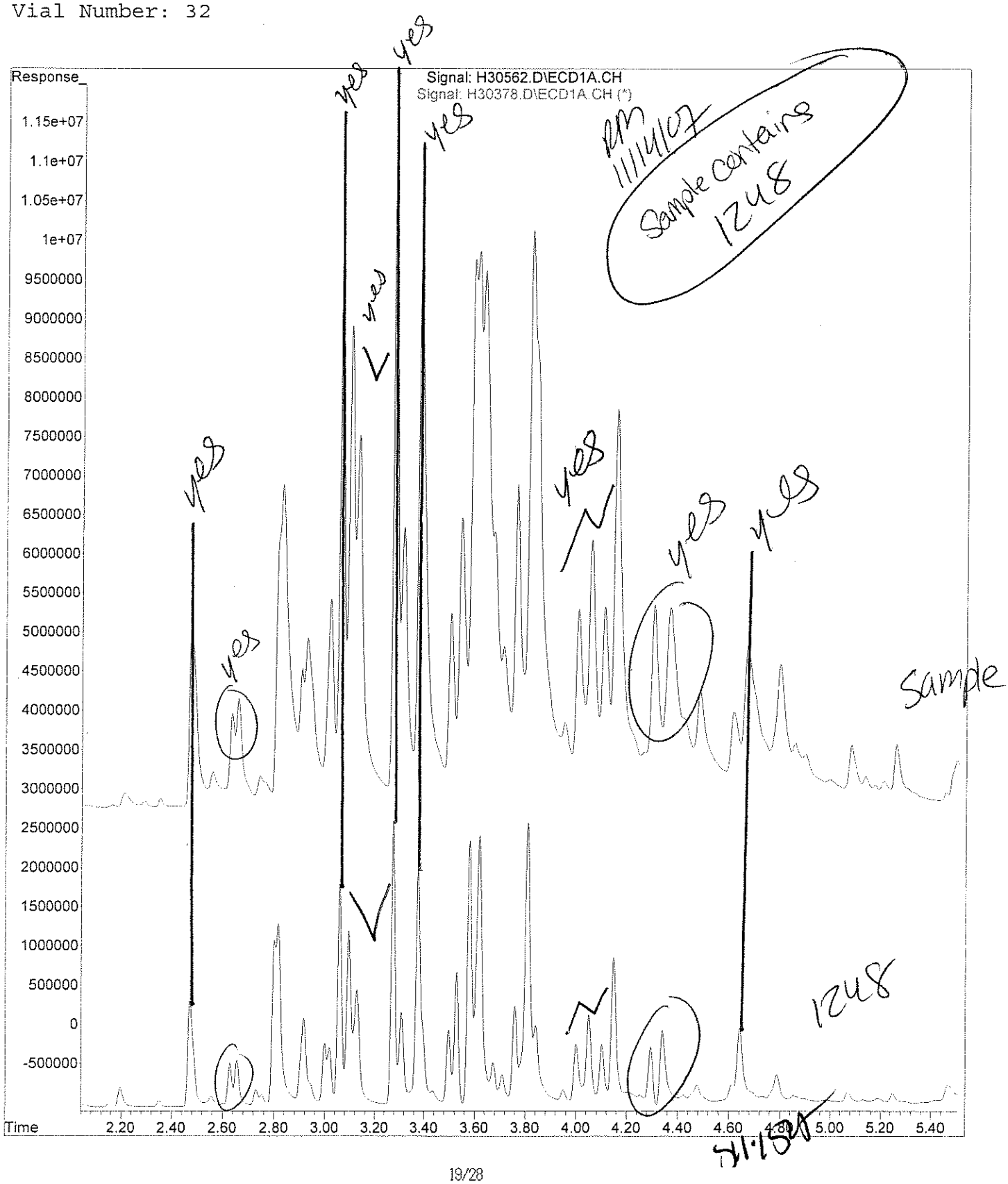
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 14:07:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11097H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 14 10:48:43 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File : C:\MSDCHEM\1\DATA\111407-H\H30562.D
Operator :
Acquired : 14 Nov 2007 1:46 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60052-2, DL, 1:5000
Misc Info :
Vial Number: 32



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Jeff Hamel
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

November 15, 2007

SAMPLE DATA

Lab Sample ID:	60052-3
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.1
Collection Date:	10/26/07
Lab Receipt Date:	10/26/07
Extraction Date:	10/31/07
Analysis Date:	11/14/07

CLIENT SAMPLE ID

Project Name:	MIT-Lincoln Labs
Project Number:	210792
Field Sample ID:	MIT-WW-090

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	77	%
Decachlorobiphenyl	65	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB Report

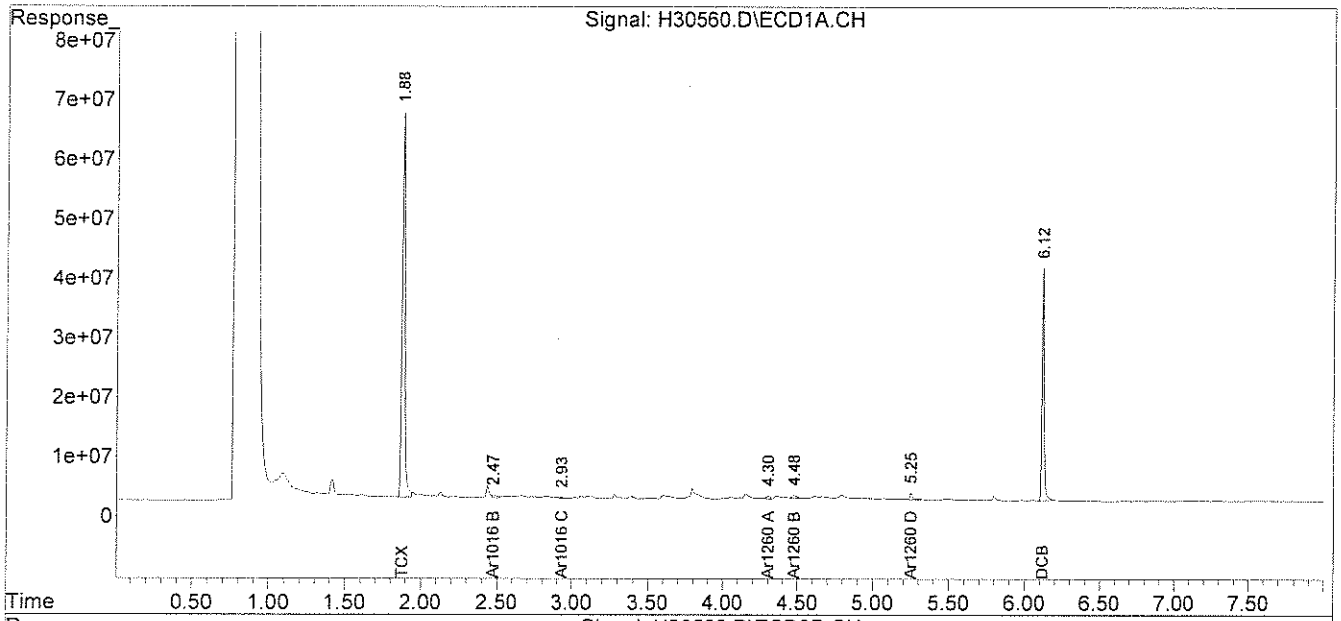
Authorized signature M Kendall

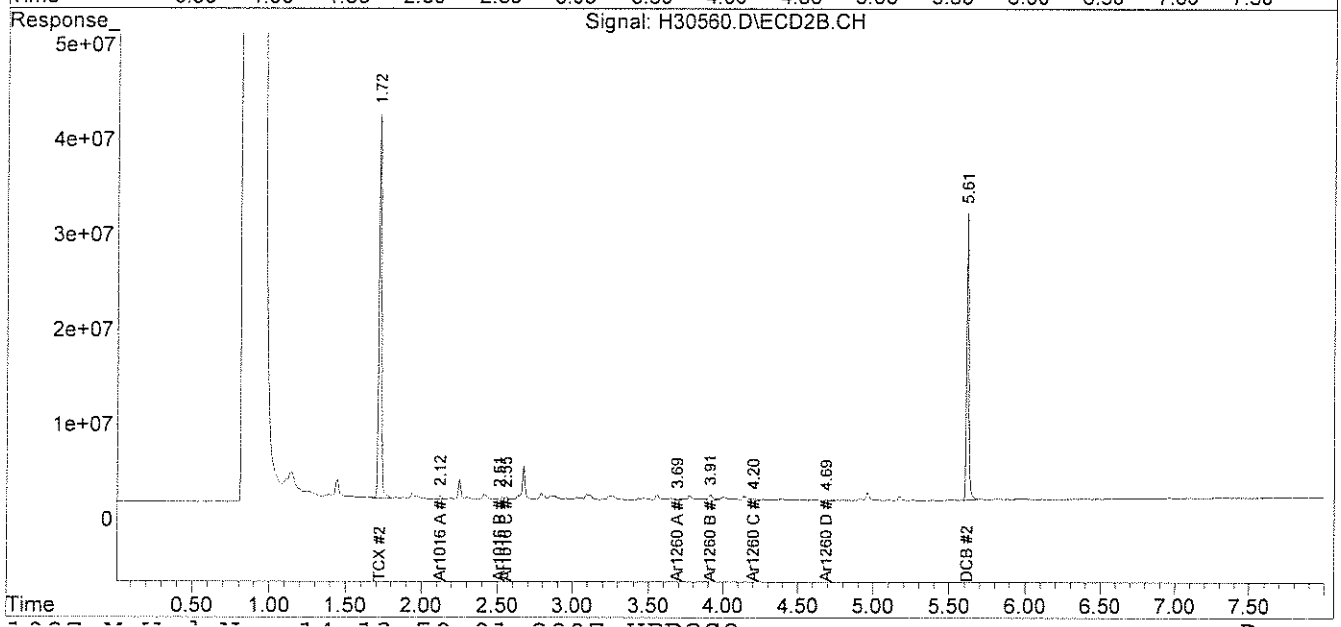
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111407-H\
Data File : H30560.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 1:25 pm
Operator :
Sample : 60052-3
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 13:50:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ11097.M
Quant Title : Aroclor 1016/1260
QLast Update : Sun Nov 11 17:50:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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PCB
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PCBQC.doc

PCB AQUEOUS
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60052

Non-spiked sample: B10297PW, RR

Spike: L10297PWB

Spike duplicate: LD10297PWB

COMPOUND	LCS SPIKE ADDED (ug/L)	LCSD SPIKE ADDED (ug/L)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
PCB 1016	2.0	2.0	79	113	25	0.00	1.91	95		1.81	90		5.2	
PCB 1260	2.0	2.0	58	115	25	0.00	1.72	86		1.71	86		0.4	
PCB 1016 #2	2.0	2.0	81	112	25	0.00	1.88	94		1.81	90		3.5	
PCB 1260 #2	2.0	2.0	54	123	25	0.00	1.67	83		1.68	84		0.5	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been volume adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

analytics environmental laboratory LLC

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60052

Non-spiked sample: B10307PSOX, A/C

Spike: L10307PSOX, A/C

Spike duplicate: LD10307PSOX, A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	181	90		186	93		3.0	
PCB 1260	200	200	60	130	30	0	193	96		195	97		1.0	
PCB 1016 #2	200	200	65	140	30	0	229	114		253	126		10.1	
PCB 1260 #2	200	200	60	130	30	0	194	97		197	99		1.6	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

analytics environmental laboratory LLC

PCB AQUEOUS
LABORATORY CONTROL
PERCENT RECOVERY

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60052

Non-spiked sample: B10317PW

Spike: L10317PWB

COMPOUND	LCS SPIKE ADDED (ug/L)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
PCB 1016	2.0	79	113	0.00	1.82	91	
PCB 1260	2.0	58	115	0.00	1.76	88	
PCB 1016 #2	2.0	81	112	0.00	1.88	94	
PCB 1260 #2	2.0	54	123	0.00	1.78	89	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS spike added values have been volume adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

CHAIN OF CUSTODIES

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 1, 10/1/02

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 1°C
3) Received in good condition Y or N
4) pH checked by: MA
5) Labels checked by: JLL 10/26

Project#: 210792 Proj. Name: MIT-Lincoln Labs

Company: Woodard &Curran

Contact: Jeff Hamel, jhamel@woodardcurran.com

Address: 35 New England Business Center Suite 180
Andover, MA 01810

Phone: (978)557-8150 PO# Quote #

Sampler (Signature): Ken B. Stevens

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract conc = concrete
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MIT-WW-006	10/26/07	802	PCB - 8082	✓	✓						conc.	1	G		60052-1
MIT-WW-051	10/26/07	812	PCB - 8082	✓	✓						conc.	1	G		-2
MIT-WW-090	10/26/07	820	PCB-8082	✓	✓						X	2	G		-3

Received By: Daniel Adams Time: 10:52 Date: 10/26/07 10:52
Received By: Mark A. Gish Time: 12:02 Date: 10/26/07
Received By: Time: Date:

Email RESULTS? YES NO
Email See above
Fax RESULTS? YES NO
Fax#

Turnaround Request
Standard ☑ Priority ☐
Due Date Due Date

Comments / Instructions:
Amber liters tested neg. for resid. chlor. w/KI paper. 10-26-07 NF

TSCA Project: use EPA 3540 SOXHLET

Relinquished By Sampler: Ken B. Stevens
Relinquished By: Daniel Adams
Relinquished By:

Page 1 of 2

Analytics\AEL Documents\AEL COC

27/28

analytics environmental laboratory LLC

ANALYTICS SAMPLE RECEIPT CHECKLIST

AEL LAB#: 60051

CLIENT: Woodard & Curran

PROJECT: MIT - L Building

COOLER NUMBER: _____

NUMBER OF COOLERS: 1

DATE RECEIVED: 10-26-07

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 10-26-07

1. Cooler received by(initials) NF — Date Received: _____
2. Did cooler come with a shipping slip? Y (N/A)

If YES, enter carrier name and airbill number here: _____

3. Were custody seals on the outside of cooler? Y (N/A)
How many & where: _____ Seal Date: _____ Seal Name: _____
4. Did the custody seals arrive unbroken and intact upon arrival? Y (N/A)
5. COC#: _____
6. Were Custody papers filled out properly (ink,signed, etc)? (Y) N
7. Were custody papers sealed in a plastic bag? (Y) N
8. Did you sign the COC in the appropriate place? (Y) N
9. Was the project identifiable from the COC papers? (Y) N
10. Was enough ice used to chill the cooler? (Y) N — Temp. of cooler: 1°C

B. Log-In: Date samples were logged in: 10-26-07 By: NF

11. Type of packing in cooler (bubble wrap, popcorn) (Y) N
12. Were all bottles sealed in separate plastic bags? (Y) N
13. Did all bottles arrive unbroken and were labels in good condition? (Y) N
14. Were all bottle labels complete(ID,Date,time,etc.) (Y) N
15. Did all bottle labels agree with custody papers? (Y) N
16. Were the correct containers used for the tests indicated: (Y) N
17. Were samples received at the correct pH? Y (N/A)
18. Was sufficient amount of sample sent for the tests indicated? (Y) N
19. Were bubbles absent in VOA samples? Y (N/A)

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): Date: JCL 10/26/07

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
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800-929-9906
www.analyticslab.com

November 19, 2007

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

RE: Analytical Results Case Narrative
Lincoln Labs
Analytics # 60112

Dear Ms. Wallace:

Enclosed please find the analytical results for samples submitted for the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level II package has been assembled in the following:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- PCB Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- PCB Form 10 Confirmation Results
- PCB Form 3 MS/MSD (LCS) Recoveries
- Chain of Custody (COC) Forms

analytics environmental laboratory LLC

195 Commerce Way, Suite #
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800-929-9906
www.analyticslab.com

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

PCBs by EPA Method 8082:
No results were reported below the quantitation limit

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 60112

Revision: Rev. 0

Re: Lincoln Labs **210792**

Enclosed are the results of the analyses on your sample(s). Samples were received on 02 November 2007 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
60112-1	10/26/07	MIT-WW-001	EPA 8082 (PCBs only)	
60112-2	10/26/07	MIT-WW-002	EPA 8082 (PCBs only)	
60112-3	10/26/07	MIT-WW-003	EPA 8082 (PCBs only)	
60112-4	10/26/07	MIT-WW-004	EPA 8082 (PCBs only)	
60112-5	10/26/07	MIT-WW-005	EPA 8082 (PCBs only)	
60112-6	10/31/07	MIT-WW-007	EPA 8082 (PCBs only)	
60112-7	11/01/07	MIT-WW-009	EPA 8082 (PCBs only)	
60112-8	11/01/07	MIT-WW-010	EPA 8082 (PCBs only)	
60112-9	10/31/07	MIT-WW-011	EPA 8082 (PCBs only)	
60112-10	10/31/07	MIT-WW-012	EPA 8082 (PCBs only)	
60112-11	10/31/07	MIT-WW-013	EPA 8082 (PCBs only)	
60112-12	10/31/07	MIT-WW-014	EPA 8082 (PCBs only)	
60112-13	10/31/07	MIT-WW-015	EPA 8082 (PCBs only)	
60112-14	10/31/07	MIT-WW-016	EPA 8082 (PCBs only)	
60112-15	10/31/07	MIT-WW-017	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Pennsylvania, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 11/16/2007

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analytics environmental laboratory LLC

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Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 60112

Revision: Rev. 0

Re: Lincoln Labs **210792**

Enclosed are the results of the analyses on your sample(s). Samples were received on 02 November 2007 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
60112-16	10/31/07	MIT-WW-018	EPA 8082 (PCBs only)	
60112-17	10/31/07	MIT-WW-019	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Pennsylvania, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 11/16/2007

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analytics environmental laboratory LLC

Surrogate Compound Limits

Matrix:	Aqueous	Solid	
Units:	% Recovery	% Recovery	Method
Volatile Organic Compounds - Drinking Water			
1,4-Difluorobenzene	70-130		EPA 524.2
Bromofluorobenzene	70-130		
1,2-Dichlorobenzene-d4	70-130		
Volatile Organic Compounds			
1,2-Dichloroethane-d4	70-130	70-130	EPA 8260B
Toluene-d8	70-130	70-130	
Bromofluorobenzene	70-130	70-130	
Semi-Volatile Organic Compounds			
2-Fluorophenol	20-110	35-105	EPA 624/8270C
d5-Phenol	15-110	40-100	
d5-nitrobenzene	40-110	35-100	
2-Fluorobiphenyl	50-110	45-105	
2,4,6-Tribromophenol	40-110	40-125	
d14-p-terphenyl	50-130	30-125	
PAH's by SIM			
d5-nitrobenzene	21-110	35-110	EPA 8270C
2-Fluorobiphenyl	36-121	45-105	
d14-p-terphenyl	33-141	30-125	
Pesticides and PCBs			
2,4,5,6-Tetrachloro-m-xylene (TCX)	46-122	40-130	EPA 608/8082
Decachlorobiphenyl (DCB)	26-86	40-130	
Herbicides			
Dichloroacetic acid (DCAA0	30-150	30-150	
Gasoline Range Organics/TPH Gasoline			
Trifluorotoluene TFT (FID)	60-140	60-140	MEDEP 4217/EPA 8015
Bromofluorobenzene (BFB) (FID)	60-140	60-140	
Trifluorotoluene TFT (PID)	60-140	60-140	
Bromofluorobenzene (BFB) (PID)	60-140	60-140	
Diesel Range Organics/TPH Diesel			
m-terphenyl	60-140	60-140	MEDEP 4125/EPA 8015

PCB
DATA SUMMARIES

analytics environmental laboratory LLC

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Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

November 19, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: Lab QC

Lab Sample ID: B11087PSOX RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/08/07
Analysis Date: 11/13/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	102	%
Decachlorobiphenyl	105	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

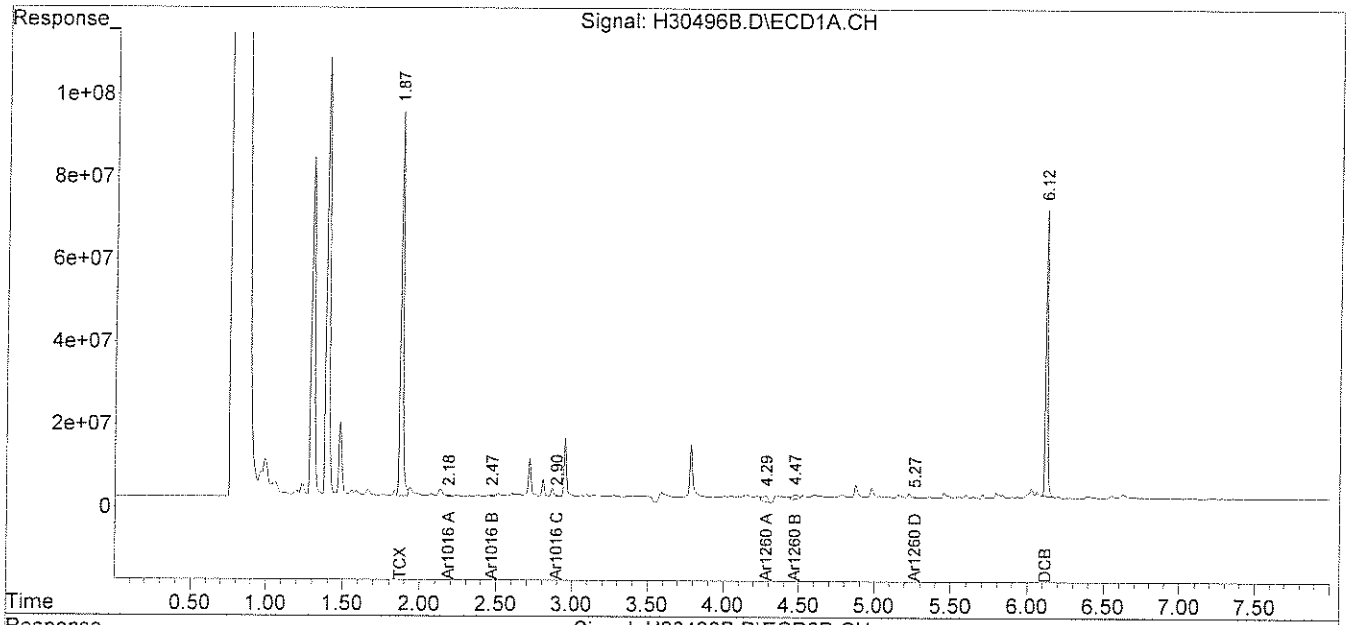
Authorized signature

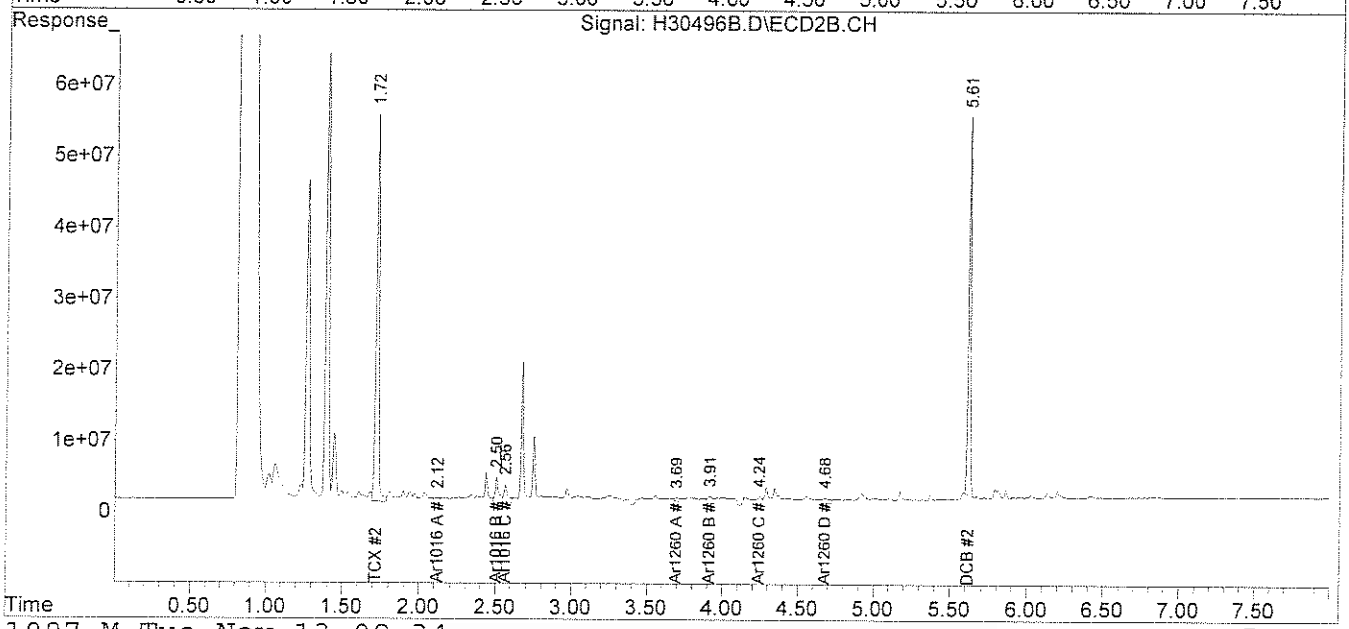
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111207-H\
Data File : H30496B.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2007 3:14 am
Operator :
Sample : B11087PSOX, A/C, RR
Misc : SOIL
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 13 09:34:56 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ11097.M
Quant Title : Aroclor 1016/1260
QLast Update : Sun Nov 11 17:50:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

November 19, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: Lab QC

Lab Sample ID: B11127PAS RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/12/07
Analysis Date: 11/14/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	97	%
Decachlorobiphenyl	111	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

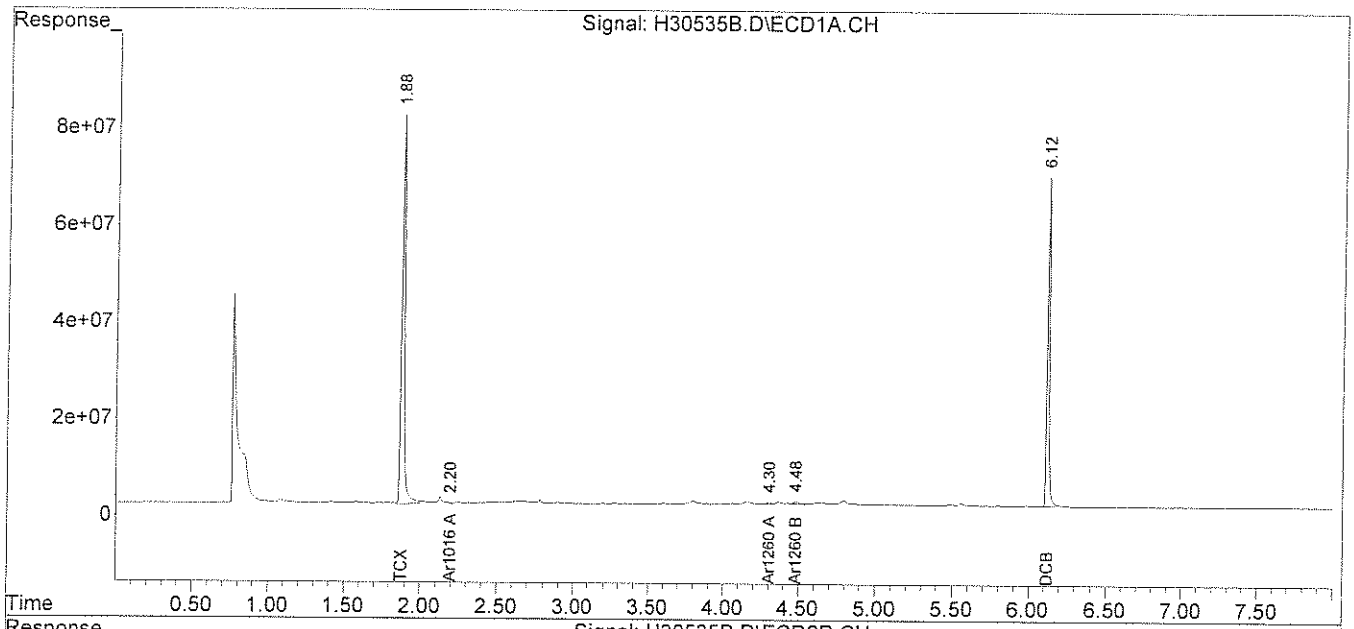
Authorized signature

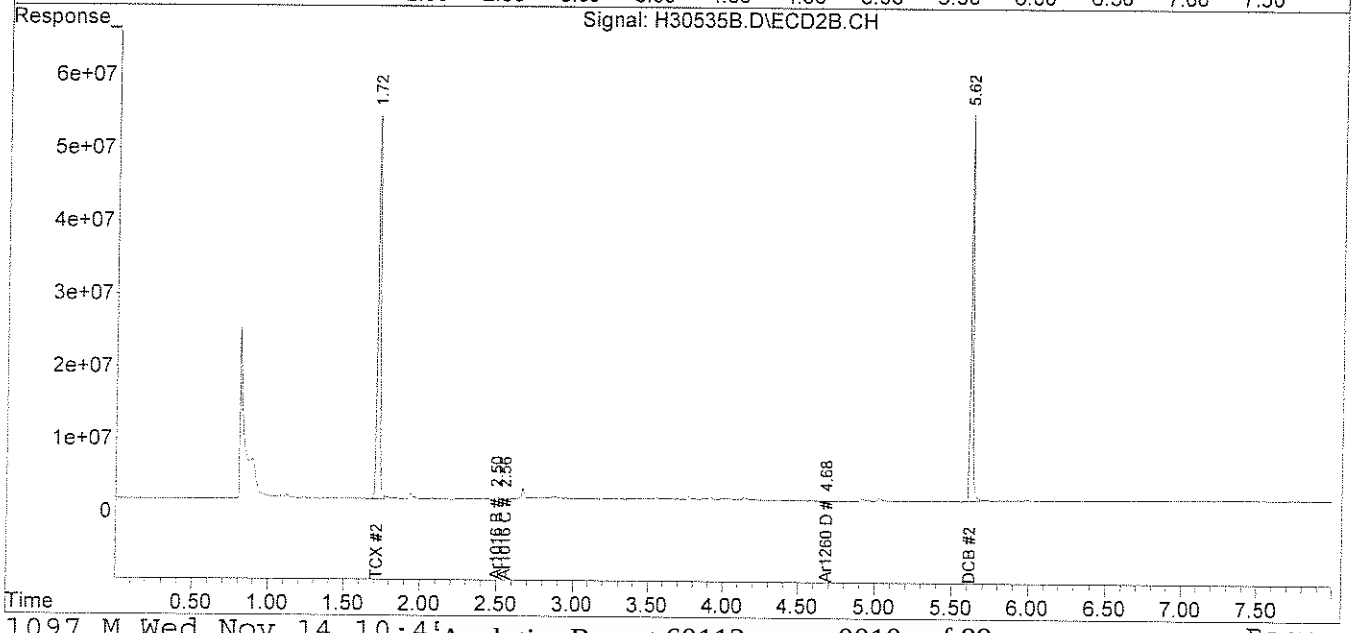
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111407-H\
Data File : H30535B.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 8:58 am
Operator :
Sample : B11127PAS, RR, A/C
Misc : SOIL
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 10:39:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ11097.M
Quant Title : Aroclor 1016/1260
QLast Update : Sun Nov 11 17:50:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 19, 2007

SAMPLE DATA

Lab Sample ID: B10317PW
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/31/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	84	%
Decachlorobiphenyl	56	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

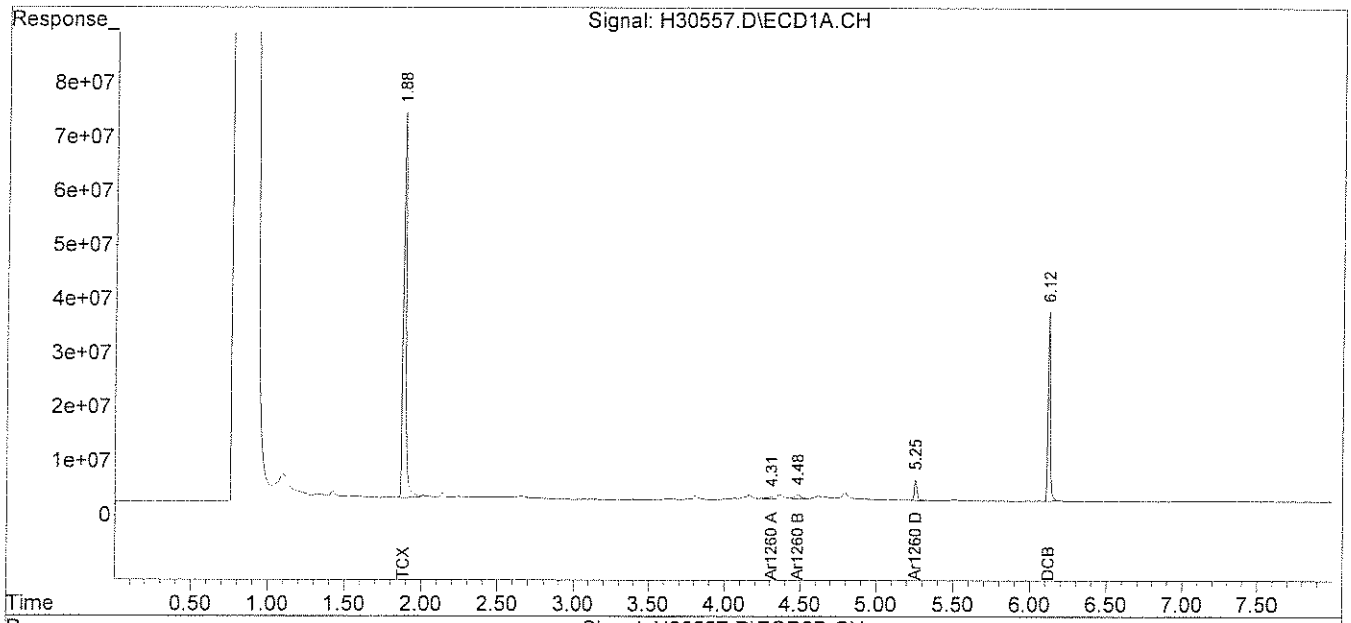
Authorized signature

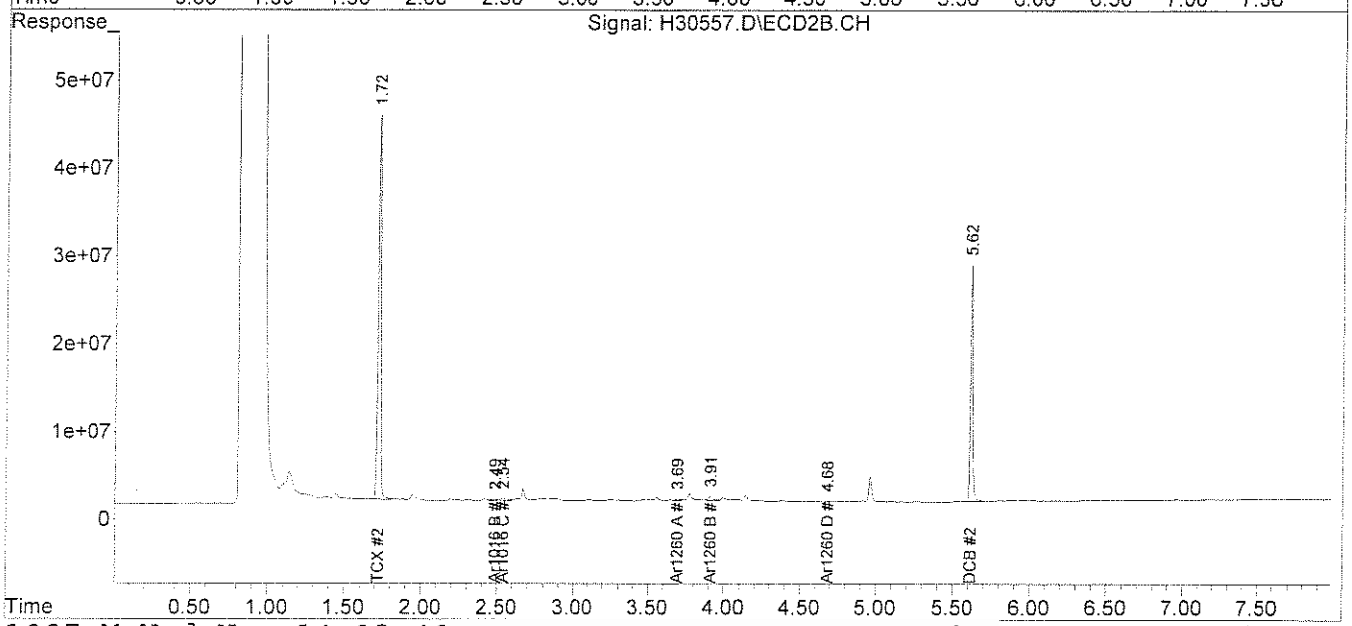
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111407-H\
Data File : H30557.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 12:53 pm
Operator :
Sample : B10317PW
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 13:49:55 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ11097.M
Quant Title : Aroclor 1016/1260
QLast Update : Sun Nov 11 17:50:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 19, 2007

SAMPLE DATA

Lab Sample ID: B11147PSOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/14/07
Analysis Date: 11/15/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	89	%
Decachlorobiphenyl	105	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

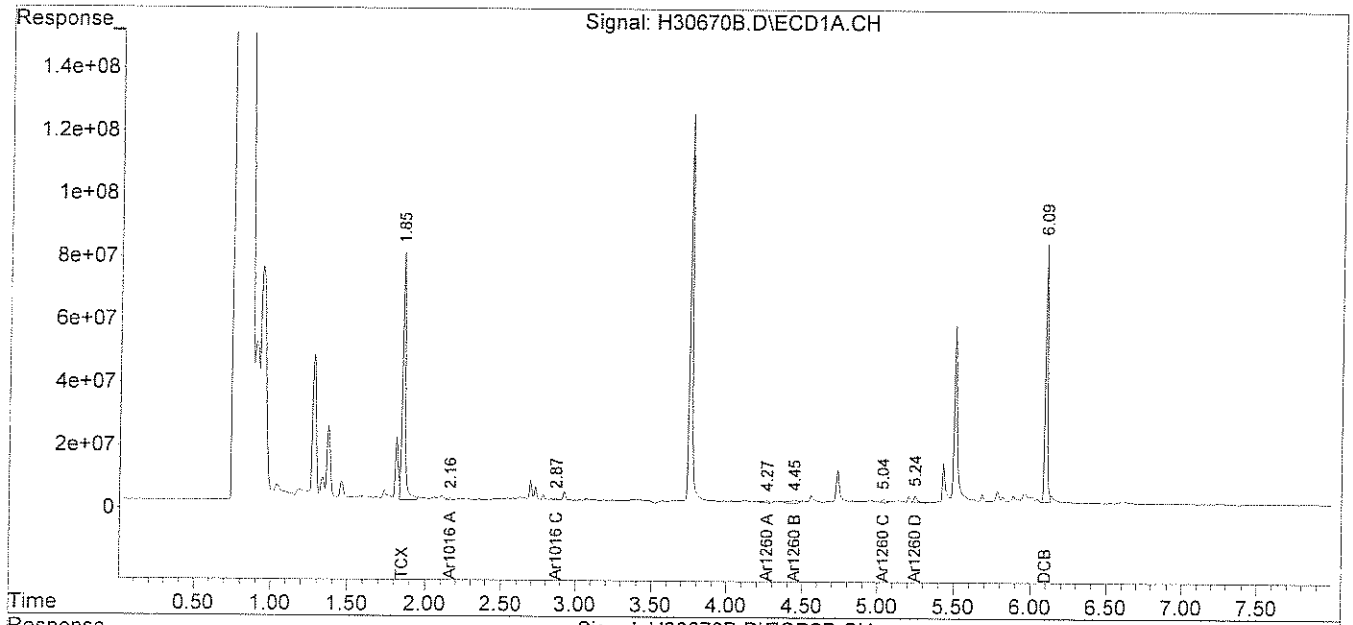
Authorized signature

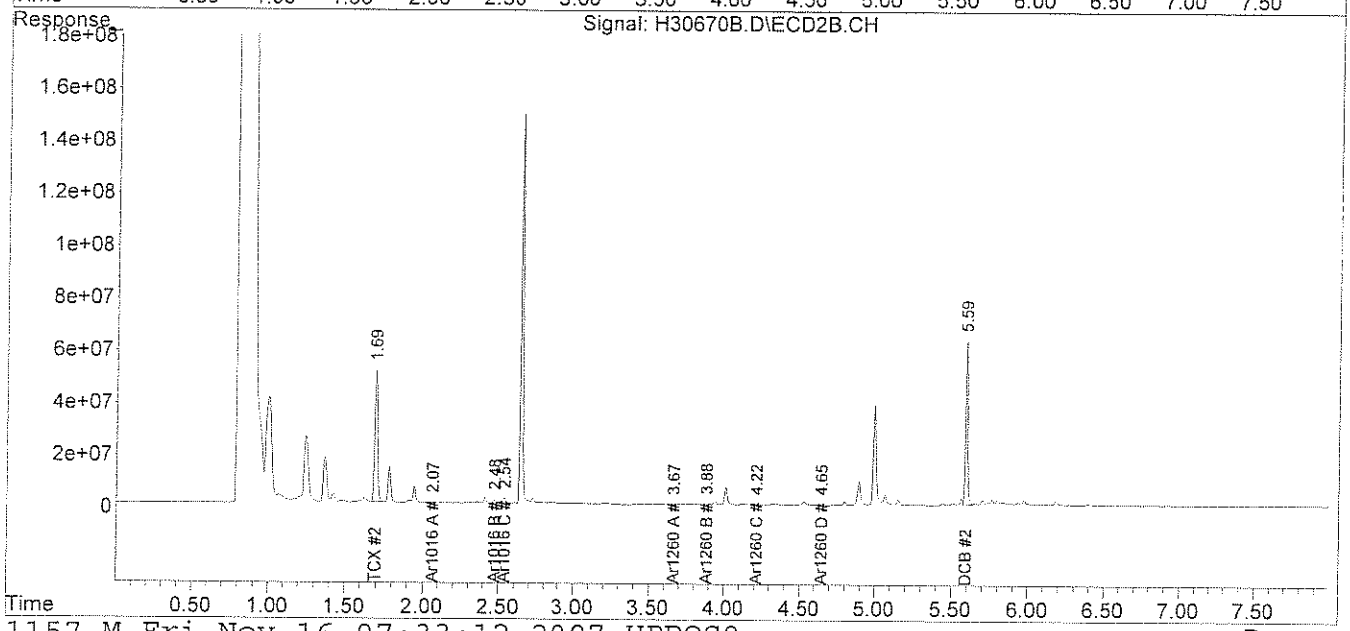
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111507-H\
Data File : H30670B.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Nov 2007 8:25 pm
Operator :
Sample : B11147PSOX
Misc : SOIL
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 16 07:33:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\PBQ11157.M
Quant Title : Aroclor 1016/1260
QLast Update : Fri Nov 16 07:26:46 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 16, 2007

SAMPLE DATA

Lab Sample ID:	60112-1
Matrix:	Solid
Percent Solid:	95
Dilution Factor:	2100
Collection Date:	10/26/07
Lab Receipt Date:	11/02/07
Extraction Date:	11/08/07
Analysis Date:	11/15/07

CLIENT SAMPLE ID

Project Name:	Lincoln Labs
Project Number:	210792
Field Sample ID:	MIT-WW-001

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	69300	U
PCB-1221	69300	U
PCB-1232	69300	U
PCB-1242	69300	U
PCB-1248	69300	**989000**
PCB-1254	69300	U
PCB-1260	69300	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis. * The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-1, A/C, DL, 1:2000

Data File: H30673.D

Dilution Factor: 2096.4

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	988864	925493	6.6	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

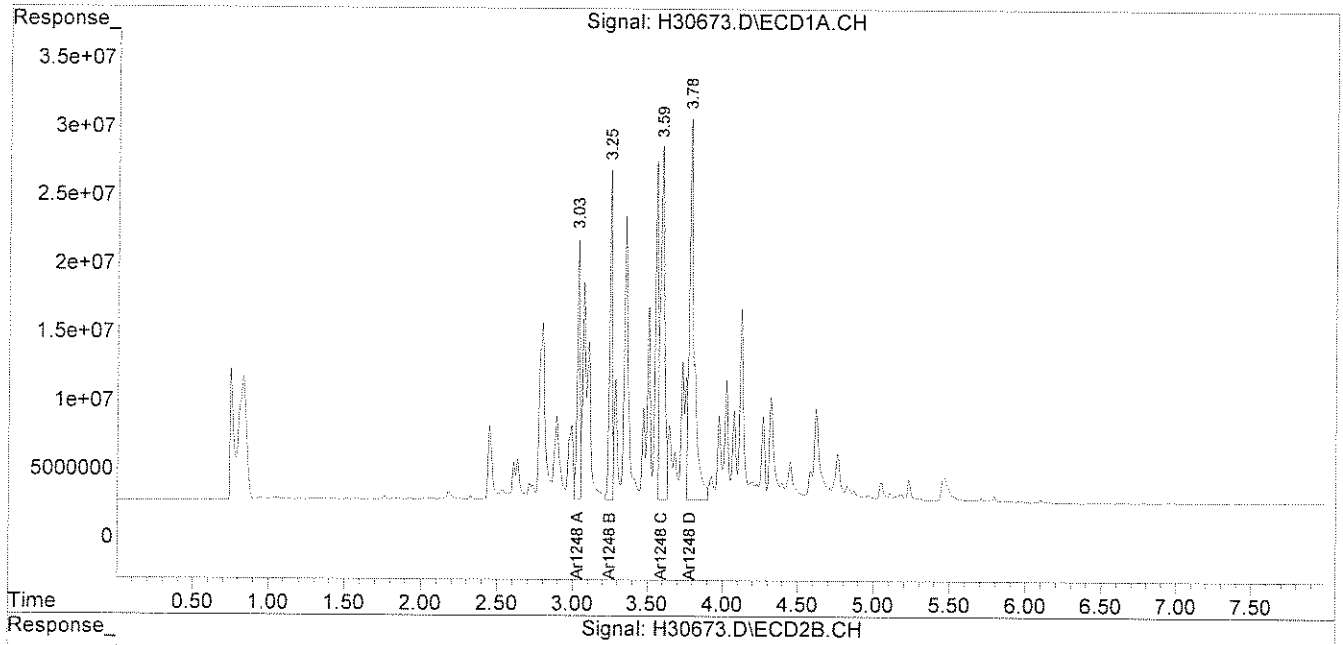
PCB FORM 10

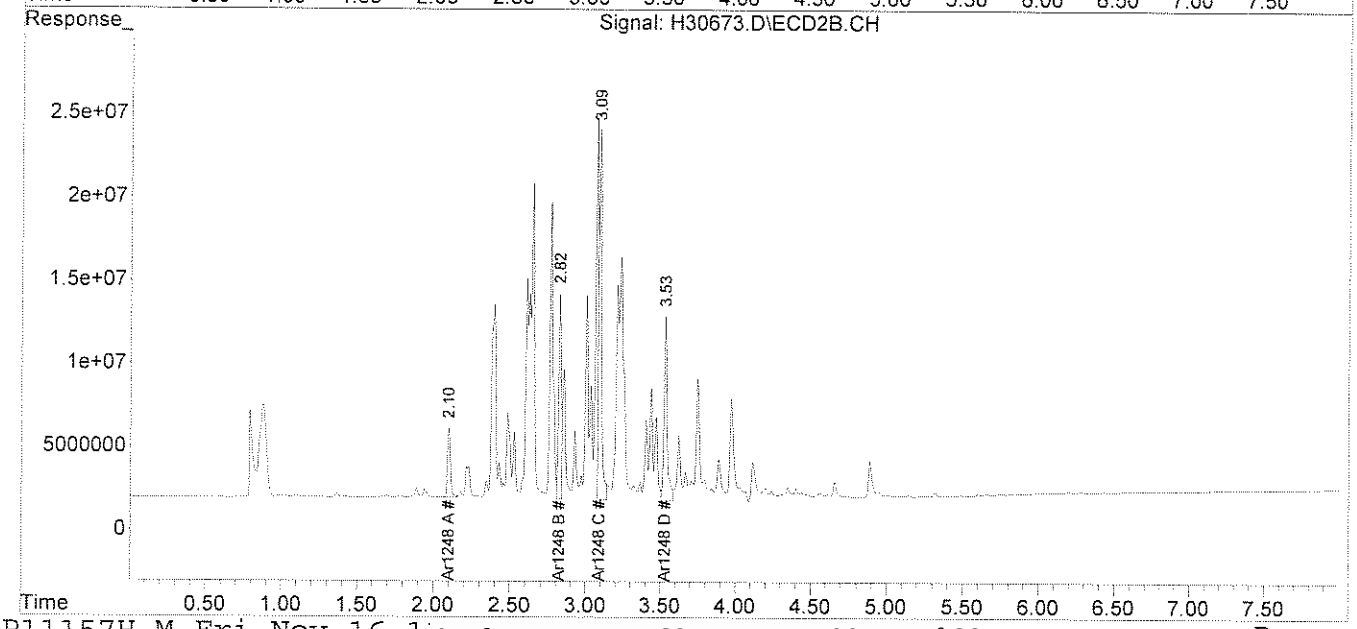
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\111507-H\
Data File : H30673.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Nov 2007 8:57 pm
Operator :
Sample : 60112-1, A/C, DL, 1:2000
Misc : SOIL
ALS Vial : 20 Sample Multiplier: 1

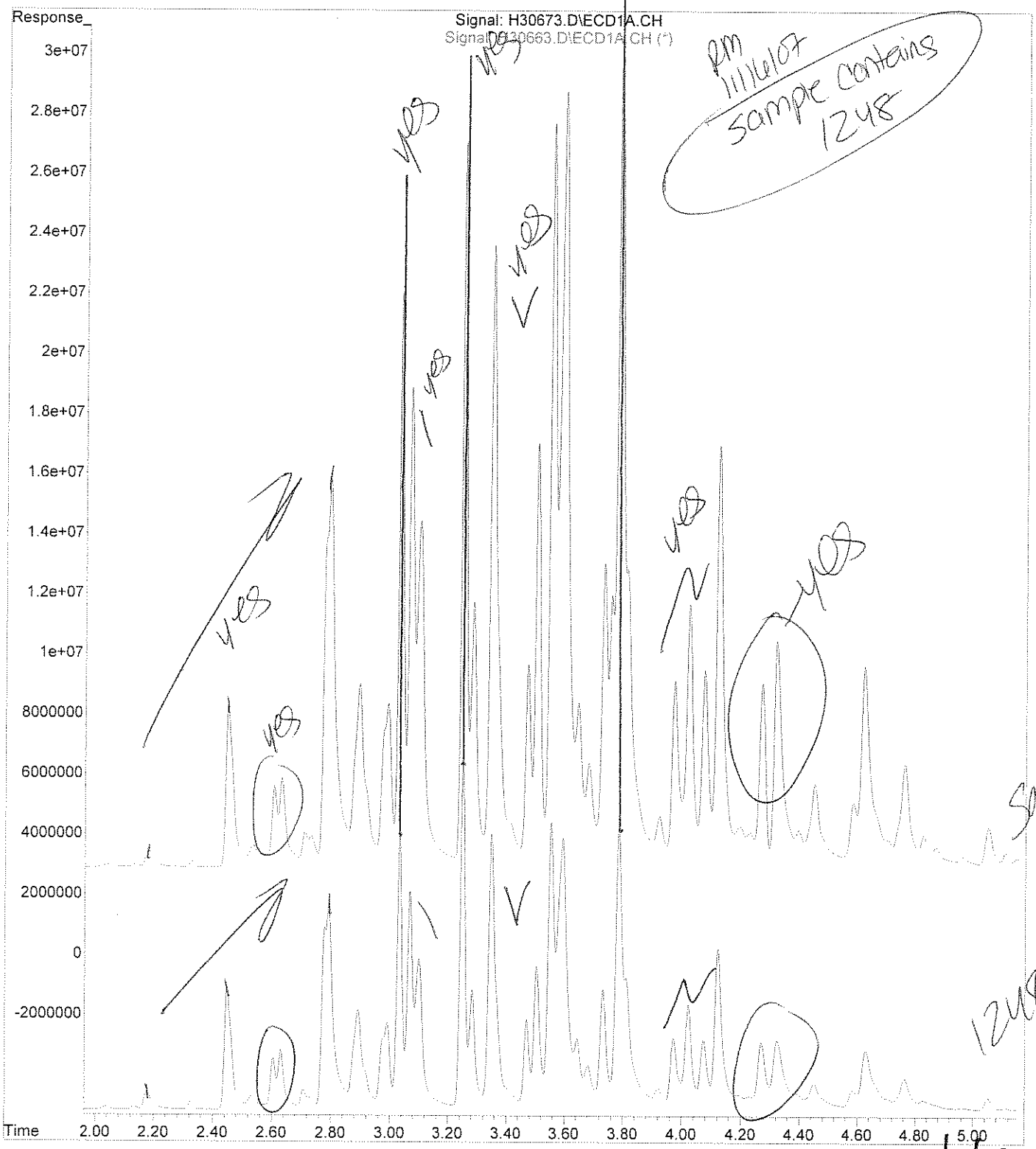
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 16 11:29:19 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11157H.M
Quant Title : Aroclor 1248
QLast Update : Fri Nov 16 11:28:59 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\111507-H\H30673.D
Operator :
Acquired : 15 Nov 2007 8:57 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60112-1, A/C, DL, 1:2000
Misc Info : SOIL
Vial Number: 20



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November 16, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: MIT-WW-002

Lab Sample ID: 60112-2
Matrix: Solid
Percent Solid: 94
Dilution Factor: 998
Collection Date: 10/26/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	32900	U
PCB-1221	32900	U
PCB-1232	32900	U
PCB-1242	32900	U
PCB-1248	32900	**330000**
PCB-1254	32900	U
PCB-1260	32900	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-2,A /C, DL, 1:1000

Data File: H30541.D

Dilution Factor: 997.9

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	329544	283623	15.0	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

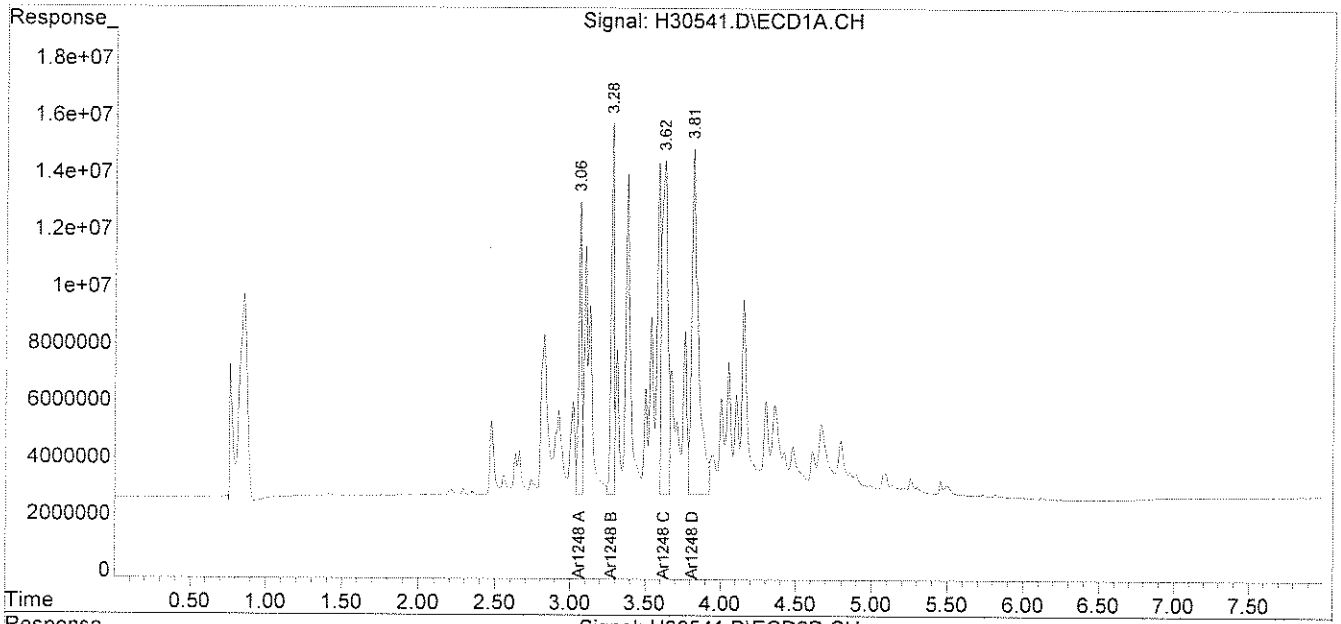
PCB FORM 10

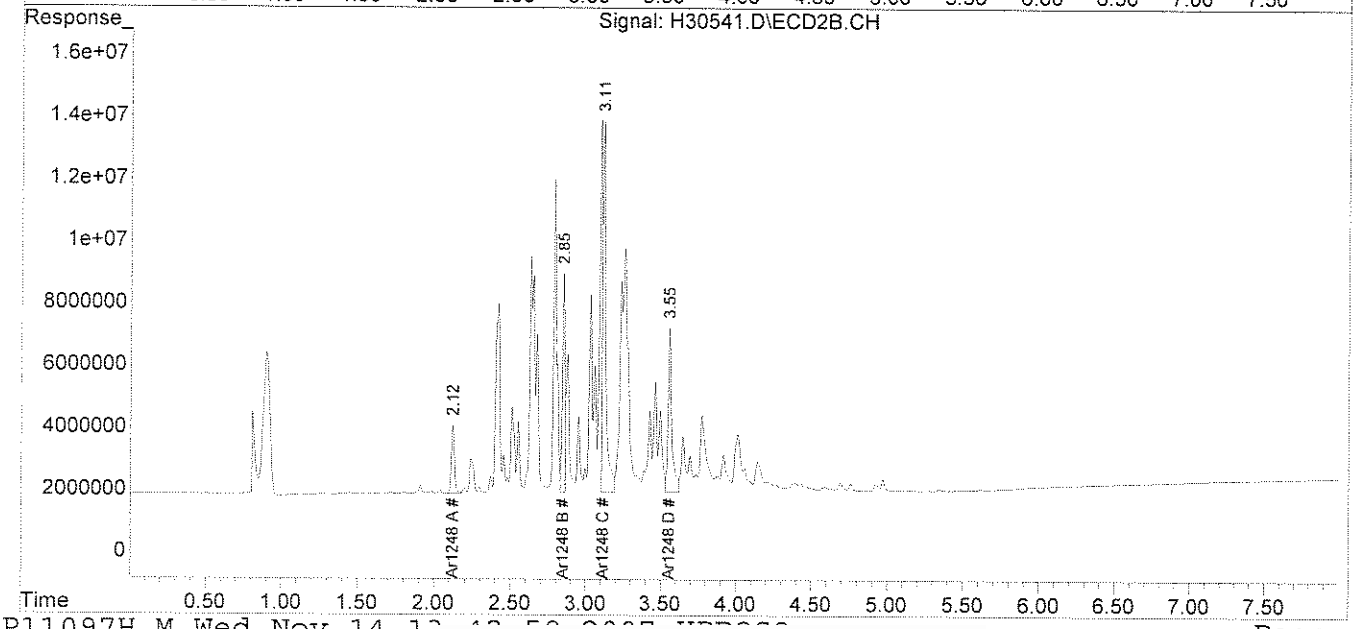
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111407-H\
Data File : H30541.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 10:02 am
Operator :
Sample : 60112-2,A /C, DL, 1:1000
Misc : SOIL
ALS Vial : 11 Sample Multiplier: 1

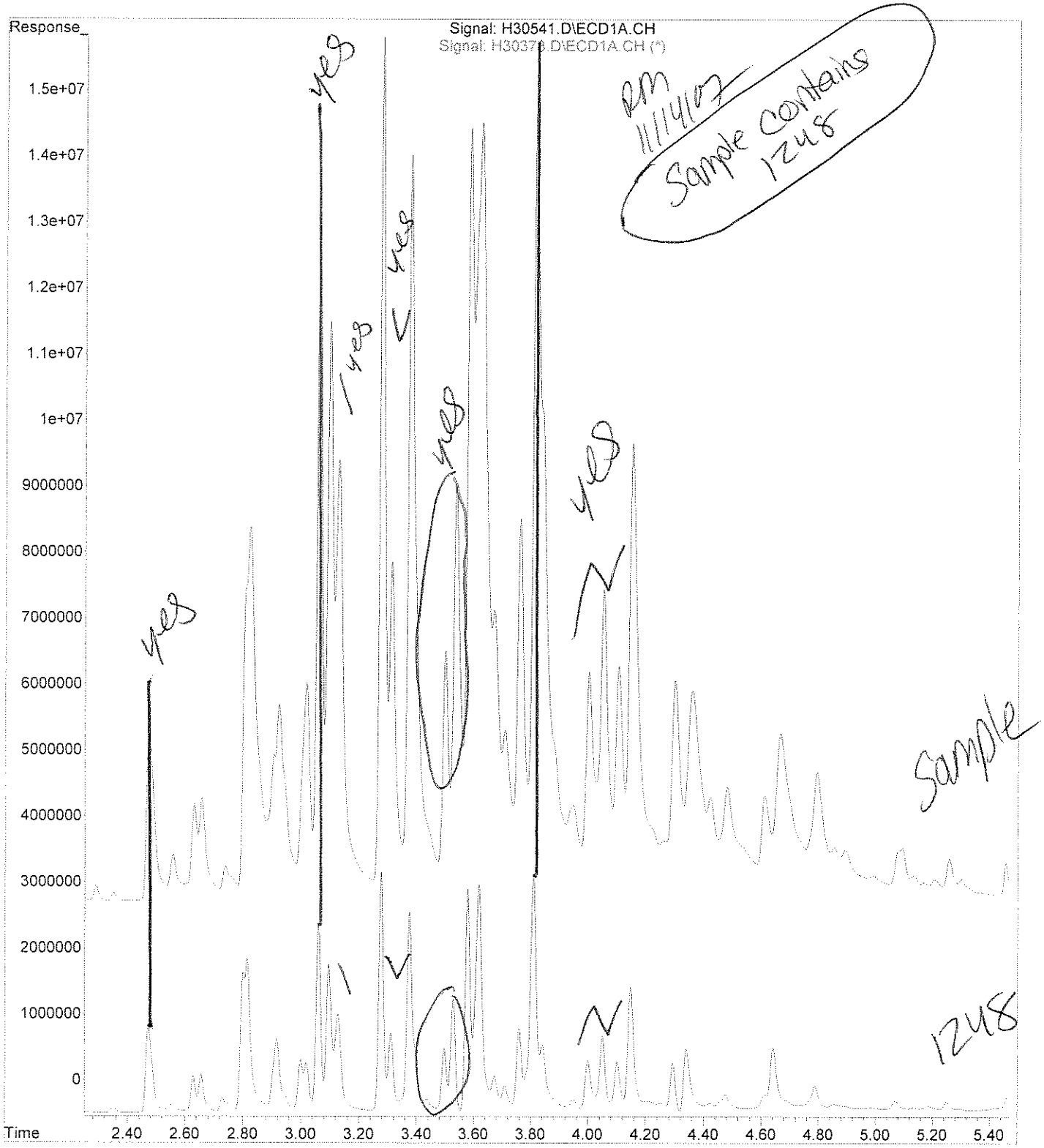
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 11:13:04 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11097H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 14 10:48:43 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\111407-H\H30541.D
Operator :
Acquired : 14 Nov 2007 10:02 am using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: ~~60122-~~2,A /C, DL, 1:1000
Misc Info : SOIL 60112
Vial Number: 11



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November 16, 2007

SAMPLE DATA

Lab Sample ID:	60112-3
Matrix:	Solid
Percent Solid:	95
Dilution Factor:	1000
Collection Date:	10/26/07
Lab Receipt Date:	11/02/07
Extraction Date:	11/08/07
Analysis Date:	11/14/07

CLIENT SAMPLE ID

Project Name:	Lincoln Labs
Project Number:	210792
Field Sample ID:	MIT-WW-003

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33000	U
PCB-1221	33000	U
PCB-1232	33000	U
PCB-1242	33000	U
PCB-1248	33000	**293000**
PCB-1254	33000	U
PCB-1260	33000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis. * The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-3,A /C, DL, 1:1000

Data File: H30542.D

Dilution Factor: 1000.6

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	292663	253834	14.2	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

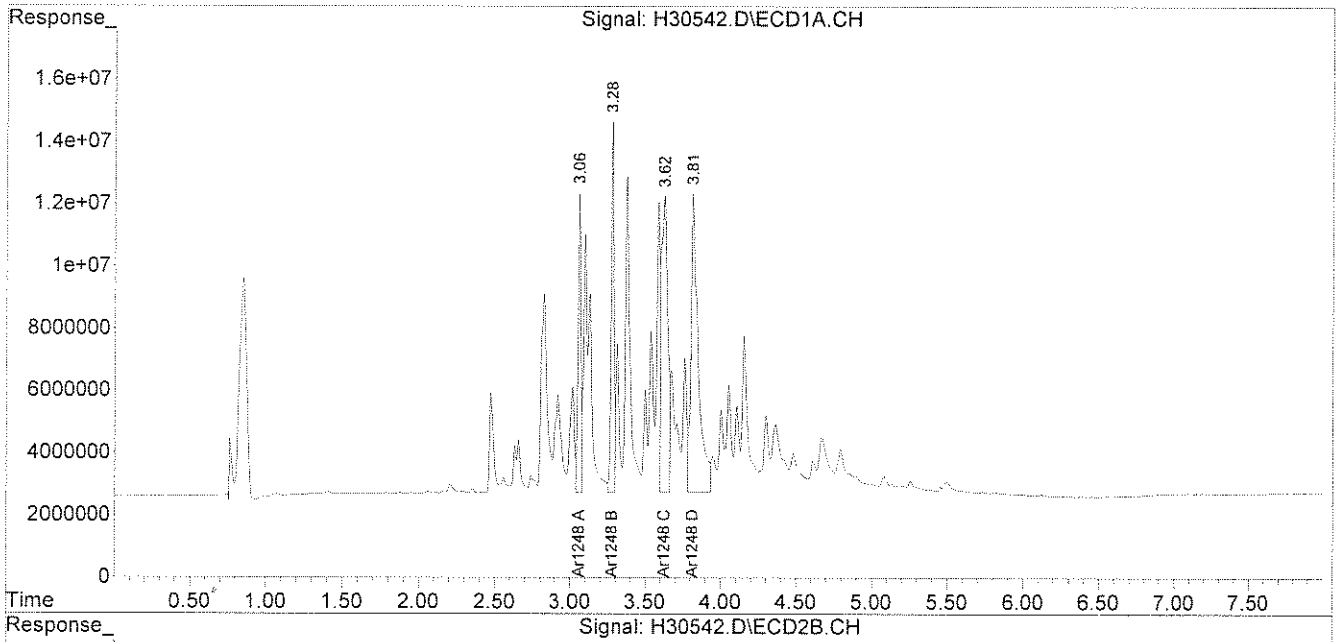
PCB FORM 10

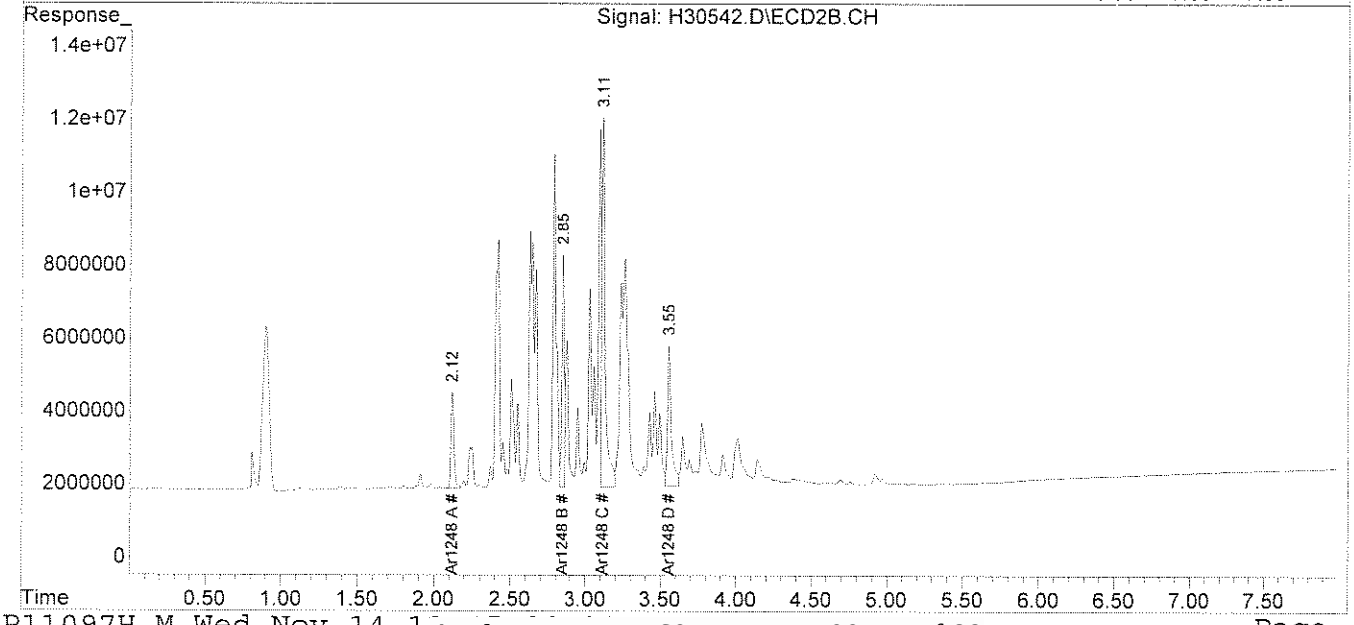
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\111407-H\
Data File : H30542.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 10:12 am
Operator :
Sample : 60112-3,A /C, DL, 1:1000
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

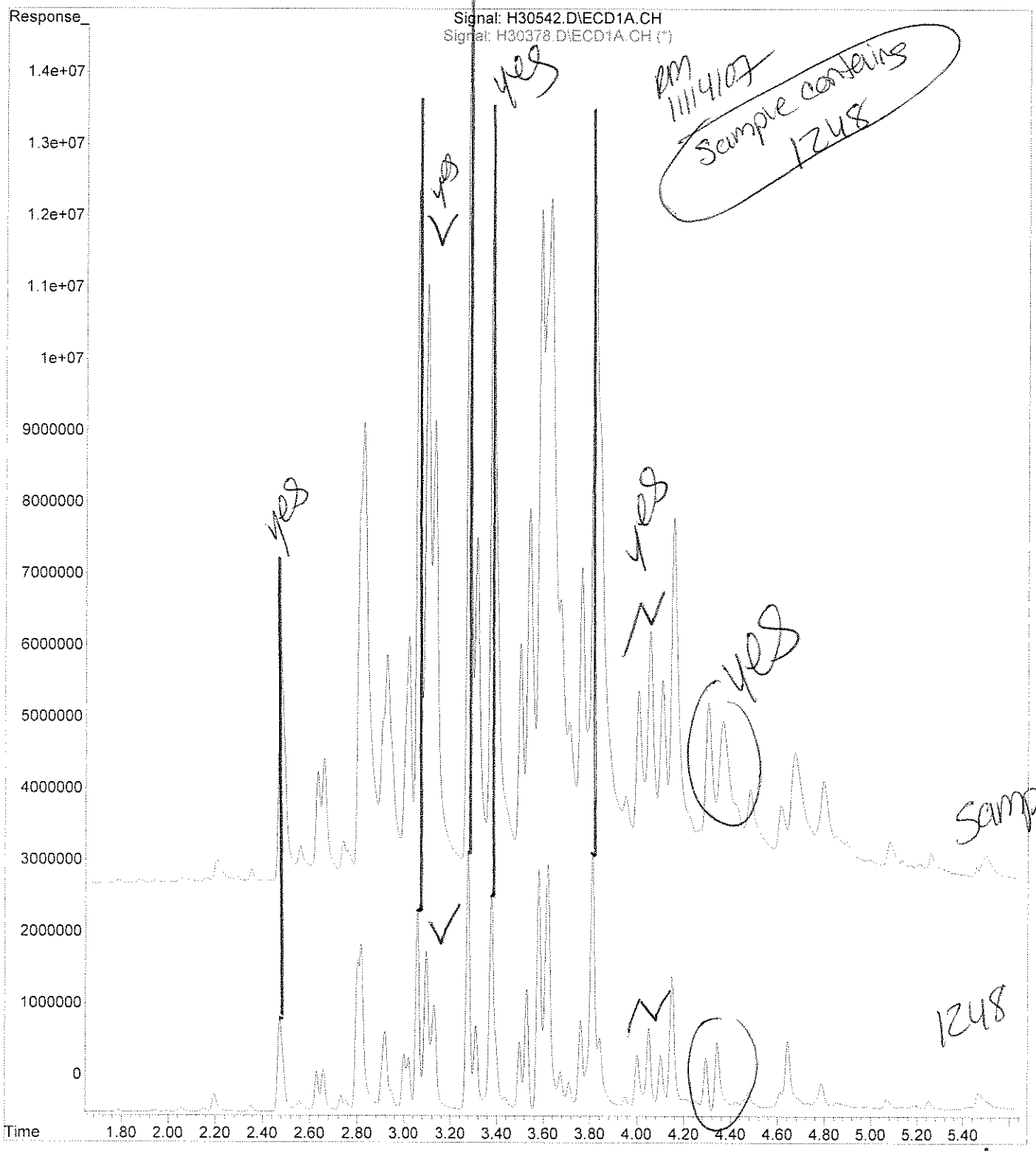
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 11:13:21 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11097H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 14 10:48:43 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File : C:\MSDChem\1\DATA\111407-H\H30542.D
Operator :
Acquired : 14 Nov 2007 10:12 am using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: ~~60122~~ 3,A /C, DL, 1:1000
Misc Info : SOIL 60112
Vial Number: 12



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November 16, 2007

SAMPLE DATA

Lab Sample ID:	60112-4
Matrix:	Solid
Percent Solid:	97
Dilution Factor:	1020
Collection Date:	10/26/07
Lab Receipt Date:	11/02/07
Extraction Date:	11/08/07
Analysis Date:	11/14/07

CLIENT SAMPLE ID

Project Name:	Lincoln Labs
Project Number:	210792
Field Sample ID:	MIT-WW-004

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33700	U
PCB-1221	33700	U
PCB-1232	33700	U
PCB-1242	33700	U
PCB-1248	33700	**391000**
PCB-1254	33700	U
PCB-1260	33700	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-4, A /C, DL, 1:1000

Data File: H30543.D

Dilution Factor: 1021.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	391149	336249	15.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

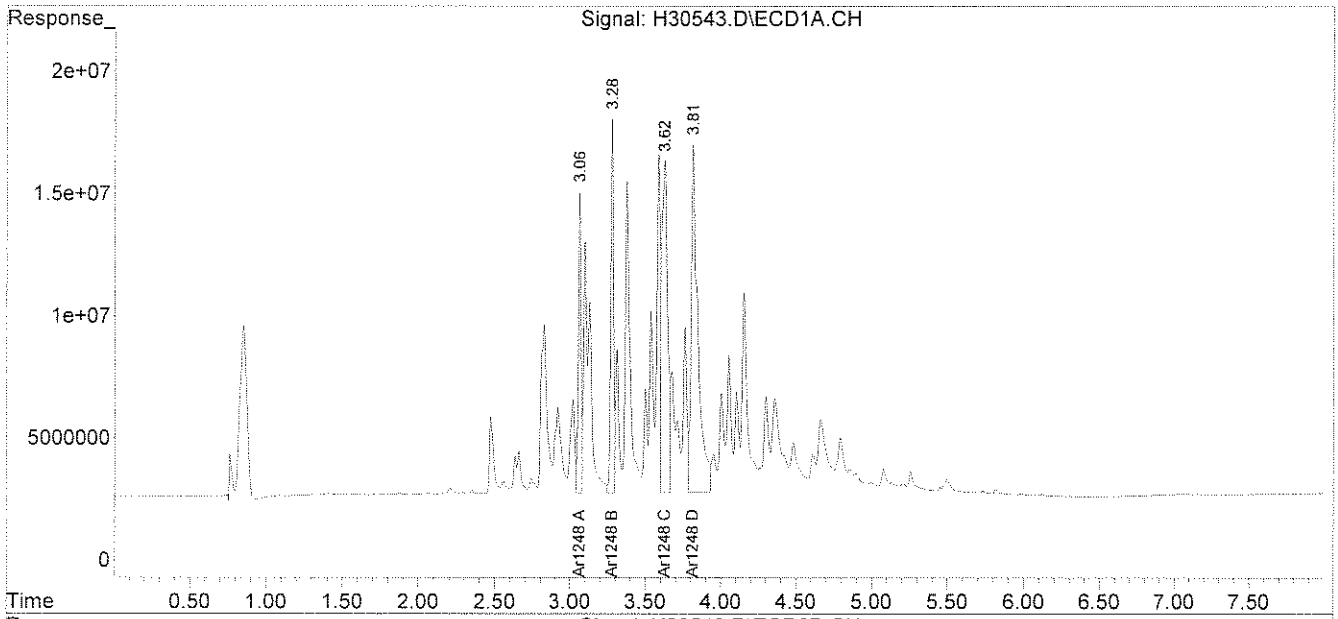
PCB FORM 10

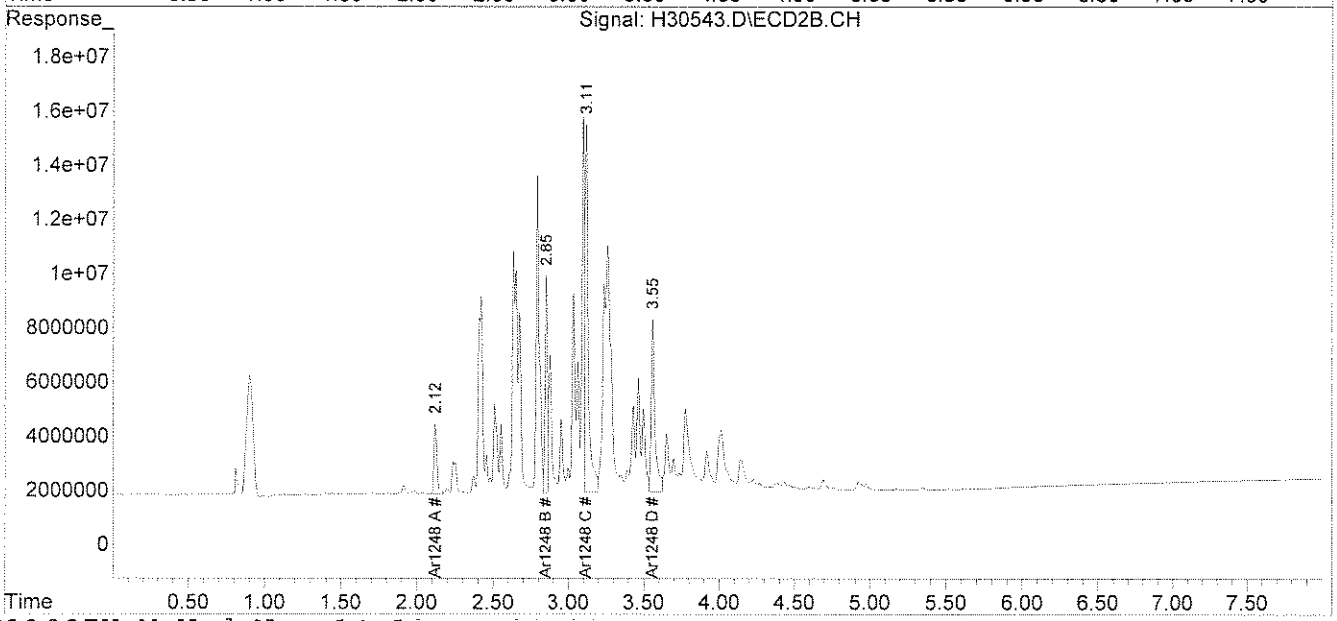
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\111407-H\
Data File : H30543.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 10:23 am
Operator :
Sample : 60112-4, A /C, DL, 1:1000
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

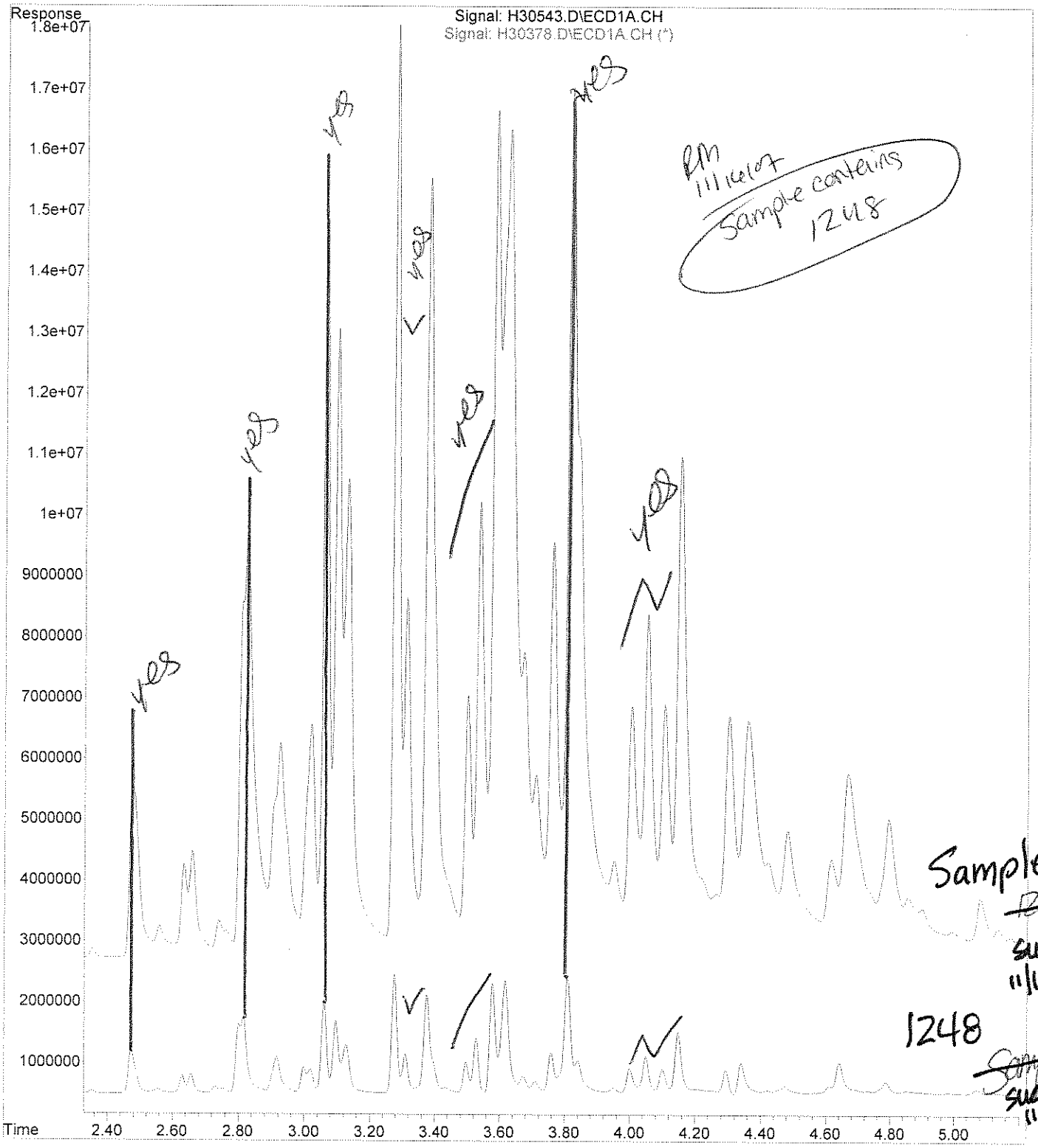
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 11:13:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11097H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 14 10:48:43 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\111407-H\H30543.D
Operator :
Acquired : 14 Nov 2007 10:23 am using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60112-4, A /C, DL, 1:1000
Misc Info : SOIL
Vial Number: 13



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Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

November 16, 2007

SAMPLE DATA

Lab Sample ID:	60112-5
Matrix:	Solid
Percent Solid:	96
Dilution Factor:	2040
Collection Date:	10/26/07
Lab Receipt Date:	11/02/07
Extraction Date:	11/08/07
Analysis Date:	11/15/07

CLIENT SAMPLE ID

Project Name:	Lincoln Labs
Project Number:	210792
Field Sample ID:	MIT-WW-005

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	67300	U
PCB-1221	67300	U
PCB-1232	67300	U
PCB-1242	67300	U
PCB-1248	67300	**695000**
PCB-1254	67300	U
PCB-1260	67300	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60122

Sample: 60112-5, A/C, DL, 1:2000

Data File: H30674.D

Dilution Factor: 2041.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	695127	652056	6.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

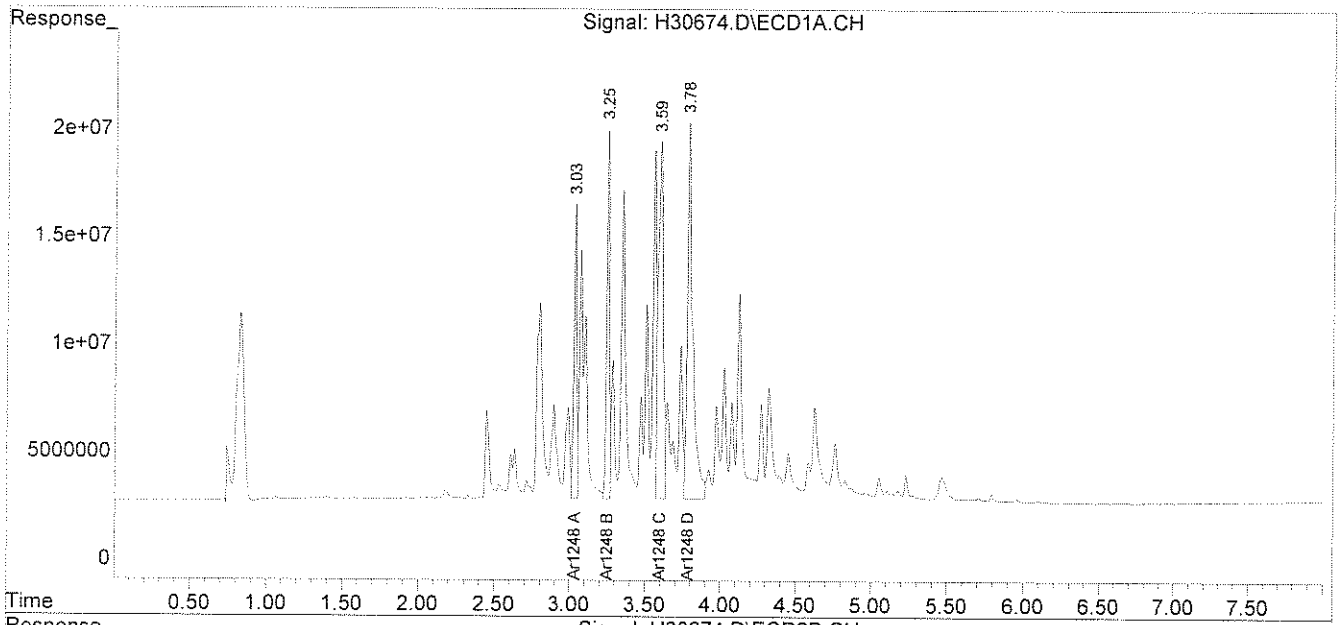
PCB FORM 10

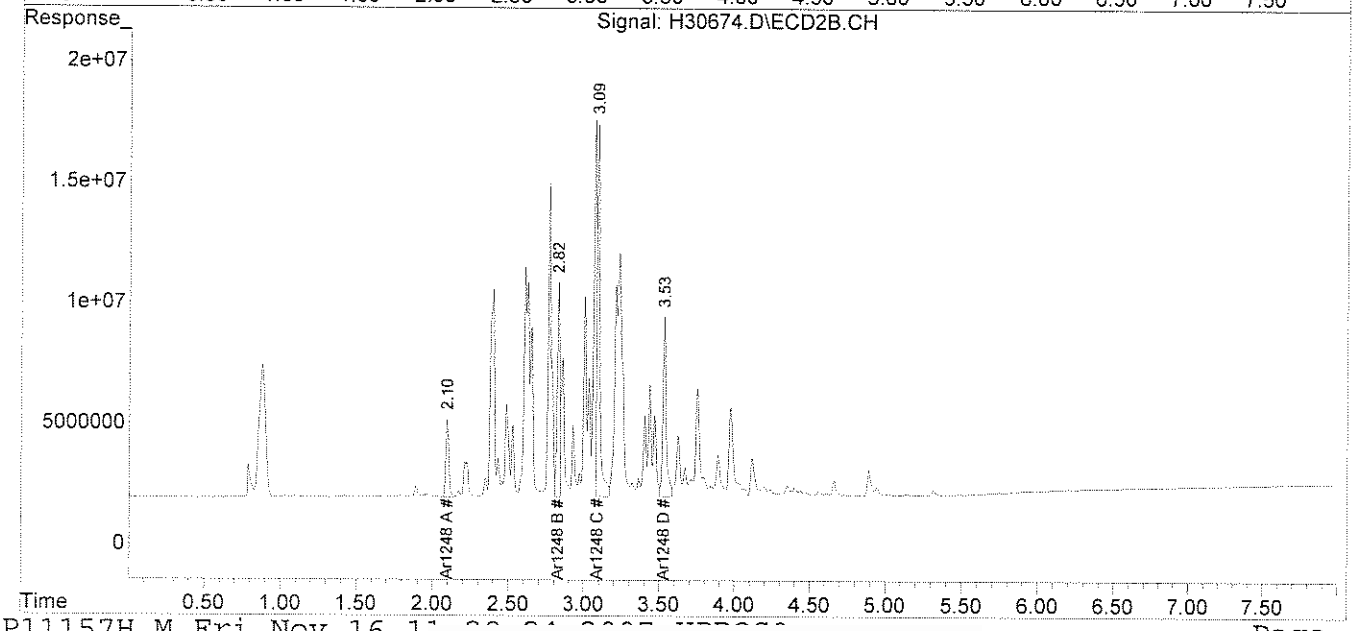
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\111507-H\
Data File : H30674.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Nov 2007 9:07 pm
Operator :
Sample : 60112-5, A/C, DL, 1:2000
Misc : SOIL
ALS Vial : 21 Sample Multiplier: 1

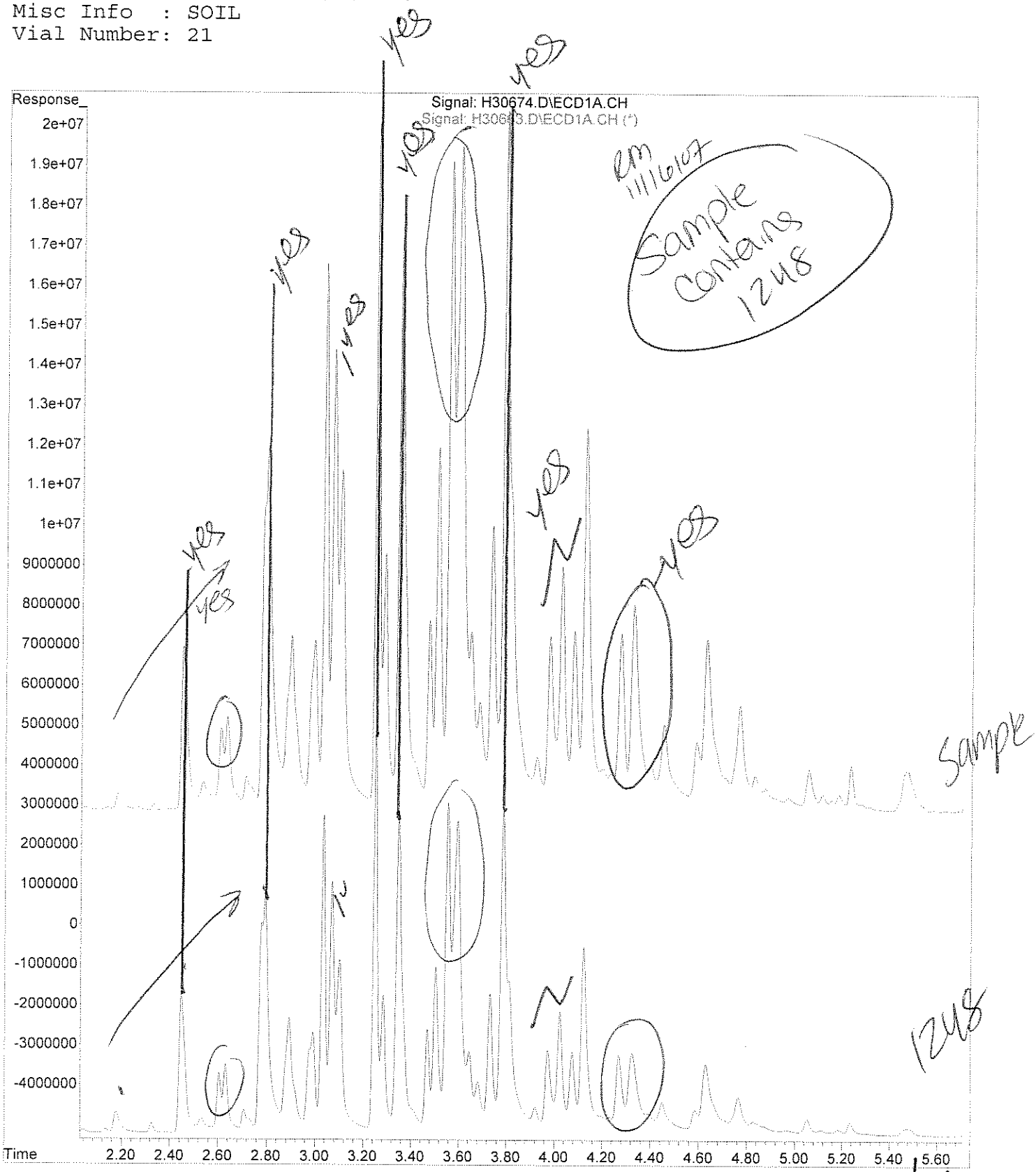
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 16 11:29:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11157H.M
Quant Title : Aroclor 1248
QLast Update : Fri Nov 16 11:28:59 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File : C:\MSDChem\1\DATA\111507-H\H30674.D
Operator :
Acquired : 15 Nov 2007 9:07 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60112-5, A/C, DL, 1:2000
Misc Info : SOIL
Vial Number: 21



SAL 11/16/07

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Ms. Amy Wallace
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November 16, 2007

SAMPLE DATA

Lab Sample ID: 60112-6
Matrix: Solid
Percent Solid: 97
Dilution Factor: 1000
Collection Date: 10/31/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-WW-007

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33000	U
PCB-1221	33000	U
PCB-1232	33000	U
PCB-1242	33000	U
PCB-1248	33000	U
PCB-1254	33000	**401000**
PCB-1260	33000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-6, A /C, DL, 1:1000

Data File: H30545.D

Dilution Factor: 1000.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	376118	400823	6.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

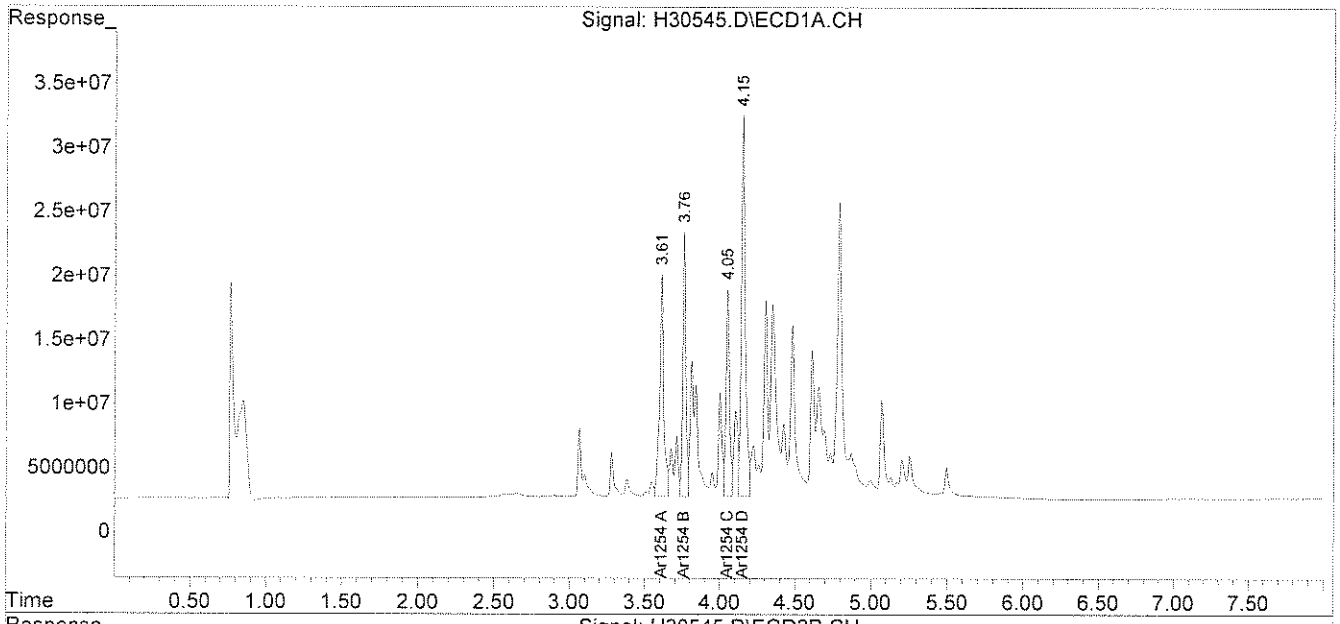
PCB FORM 10

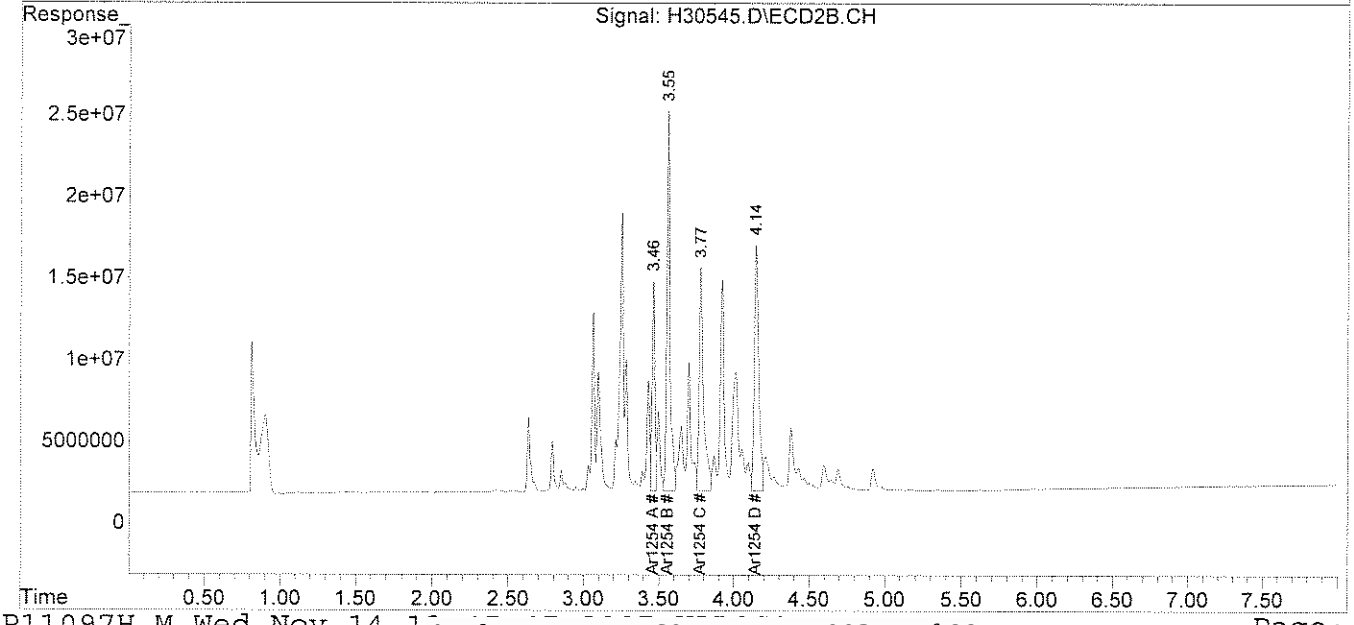
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\111407-H\
Data File : H30545.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 10:44 am
Operator :
Sample : 60112-6, A /C, DL, 1:1000
Misc : SOIL
ALS Vial : 15 Sample Multiplier: 1

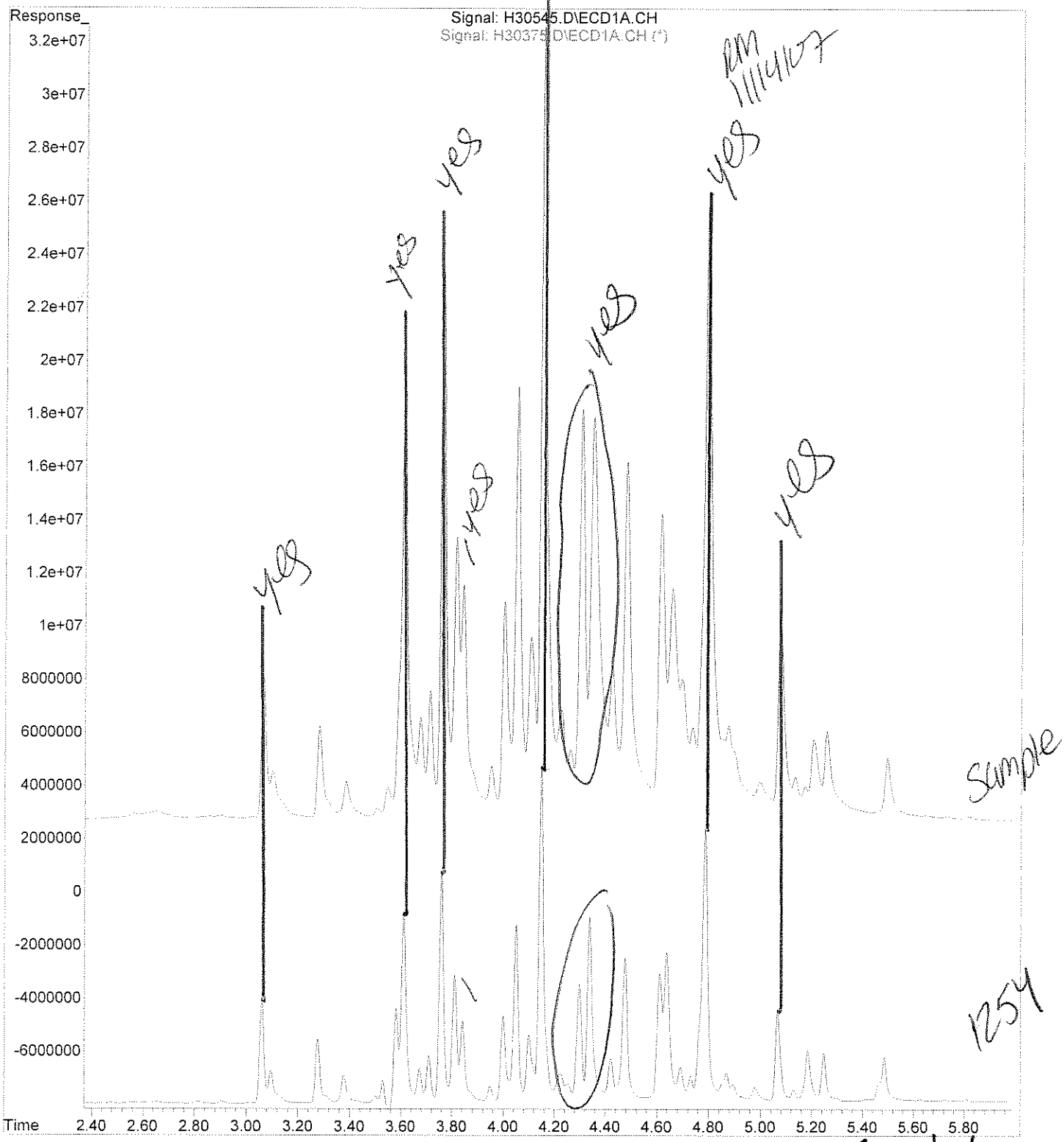
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 11:22:43 2007
Quant Method : C:\MSDCHEM\1\METHODS\54SP11097H.M
Quant Title : Aroclor 1254
QLast Update : Wed Nov 14 11:21:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File : C:\MSDChem\1\DATA\111407-H\H30545.D
Operator :
Acquired : 14 Nov 2007 10:44 am using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: ~~60122~~-6, A /C, DL, 1:1000
Misc Info : SOIL 60112-6
Vial Number: 15



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November 16, 2007

SAMPLE DATA

Lab Sample ID: 60112-7
Matrix: Solid
Percent Solid: 98
Dilution Factor: 955
Collection Date: 11/01/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: MIT-WW-009

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	31500	U
PCB-1221	31500	U
PCB-1232	31500	U
PCB-1242	31500	U
PCB-1248	31500	U
PCB-1254	31500	**200000**
PCB-1260	31500	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-7, A /C, DL, 1:1000

Data File: H30546.D

Dilution Factor: 954.8

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	200432	196643	1.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

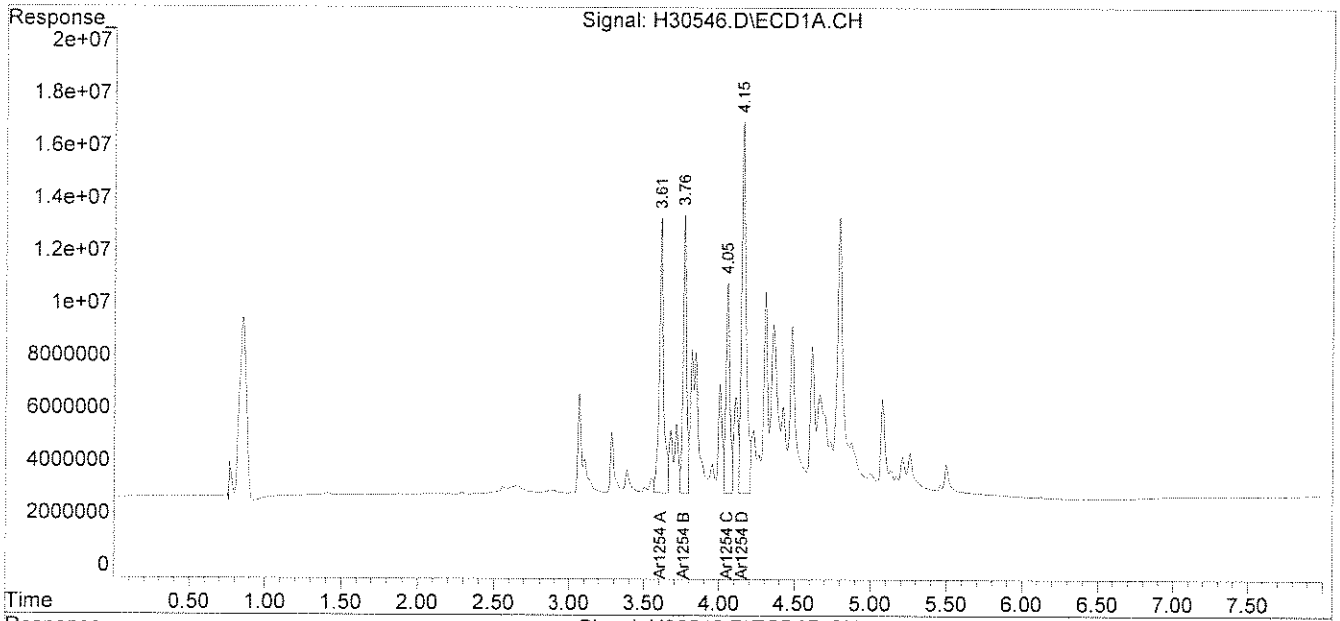
PCB FORM 10

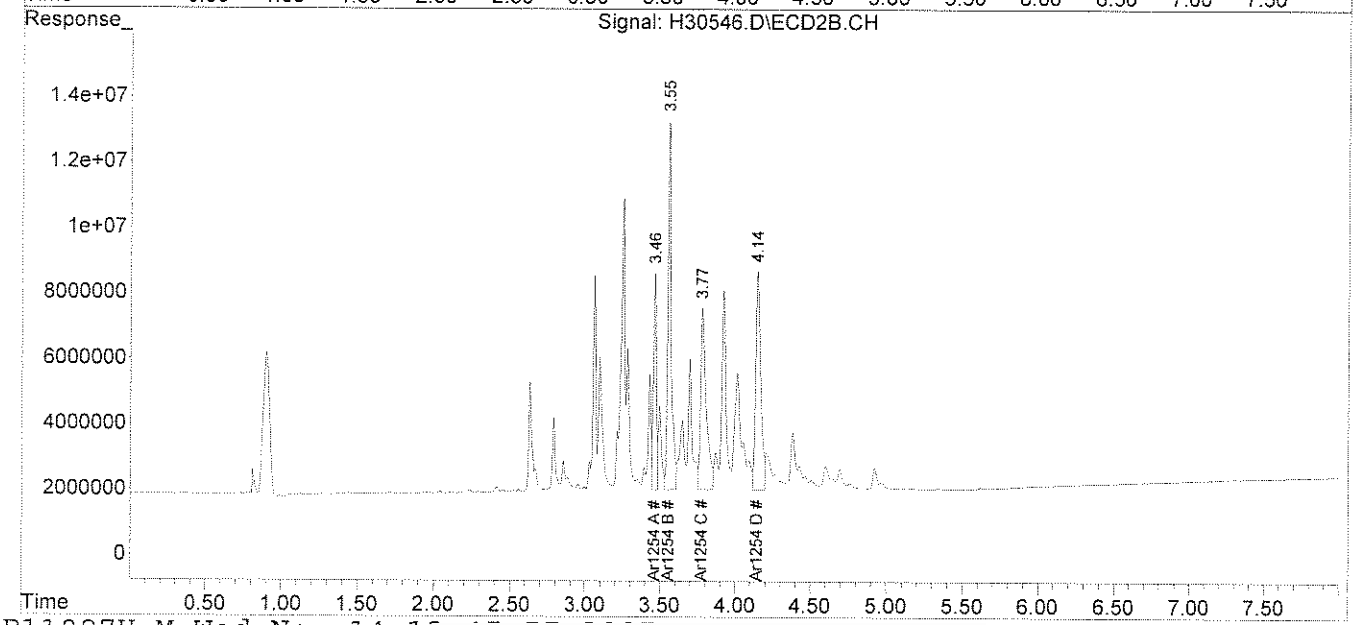
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\111407-H\
Data File : H30546.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 10:54 am
Operator :
Sample : 60112-7, A /C, DL, 1:1000
Misc : SOIL
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 11:26:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\54SP11097H.M
Quant Title : Aroclor 1254
QLast Update : Wed Nov 14 11:21:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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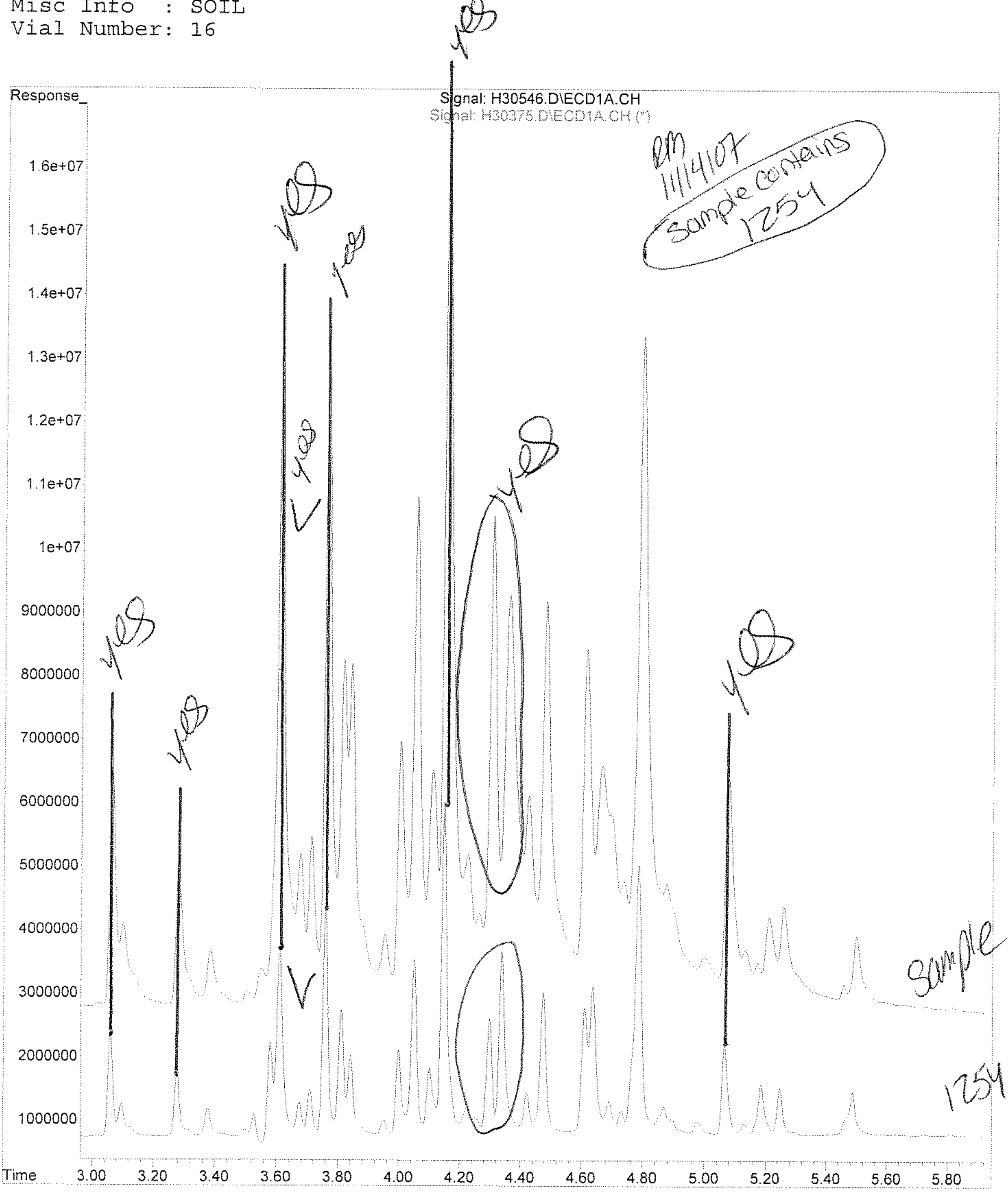
File        :C:\MSDChem\1\DATA\111407-H\H30546.D
Operator    :
Acquired    : 14 Nov 2007  10:54 am using AcqMethod PEST.M
Instrument :   Instrumen
Sample Name: 60122-7, A /C, DL, 1:1000
Misc Info  : SOIL
Vial Number: 16
```



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November 16, 2007

SAMPLE DATA

Lab Sample ID: 60112-8
Matrix: Solid
Percent Solid: 98
Dilution Factor: 942
Collection Date: 11/01/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: MIT-WW-010

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	31100	U
PCB-1221	31100	U
PCB-1232	31100	U
PCB-1242	31100	U
PCB-1248	31100	U
PCB-1254	31100	**101000**
PCB-1260	31100	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-8, A /C, DL, 1:1000

Data File: H30547.D

Dilution Factor: 942.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	100641	80250	22.5	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

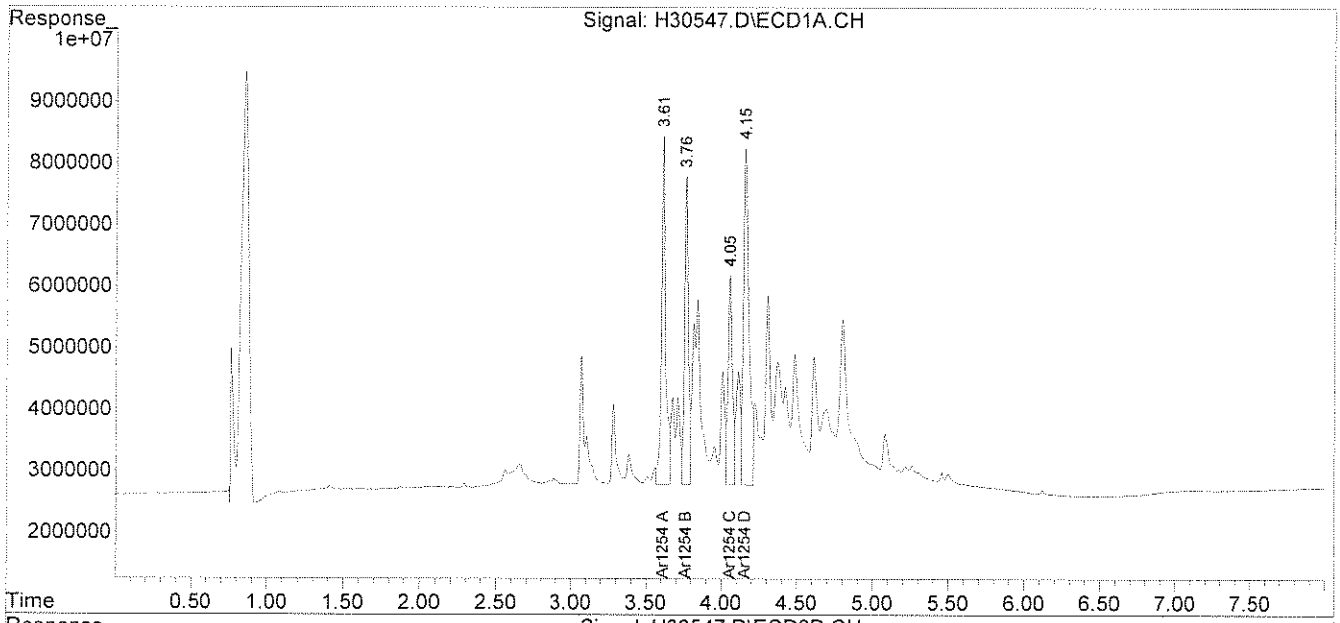
PCB FORM 10

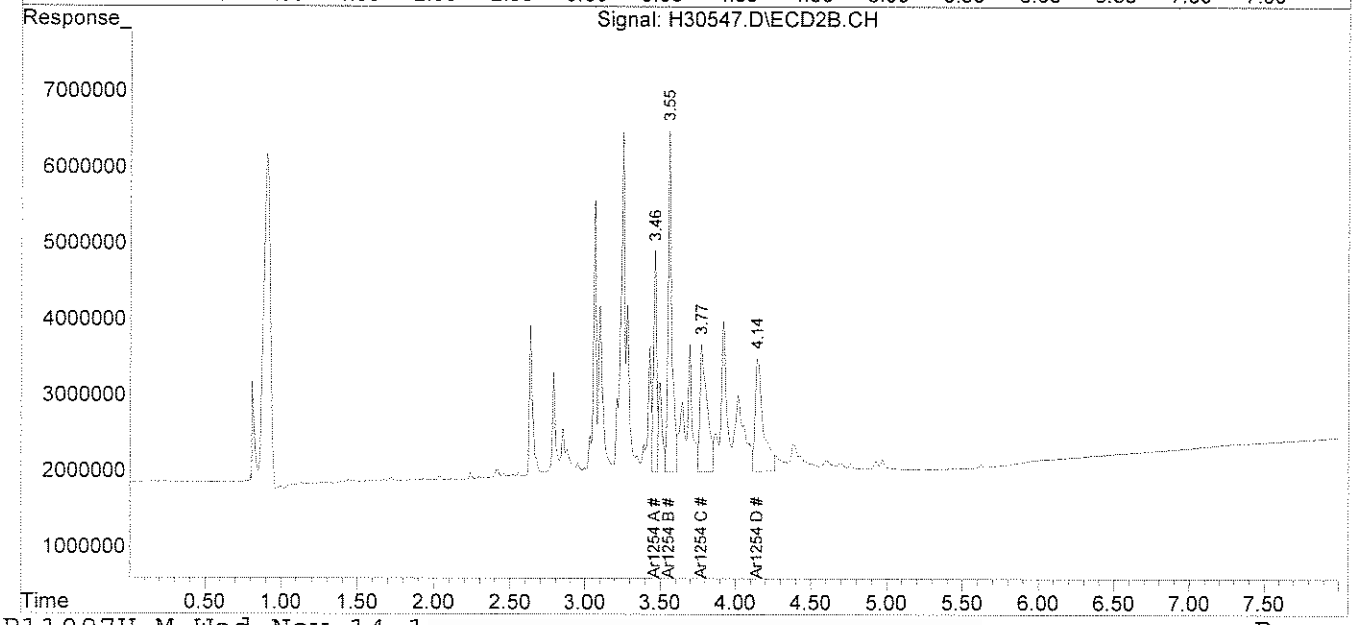
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\111407-H\
Data File : H30547.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 11:05 am
Operator :
Sample : 60112-8, A /C, DL, 1:1000
Misc : SOIL
ALS Vial : 17 Sample Multiplier: 1

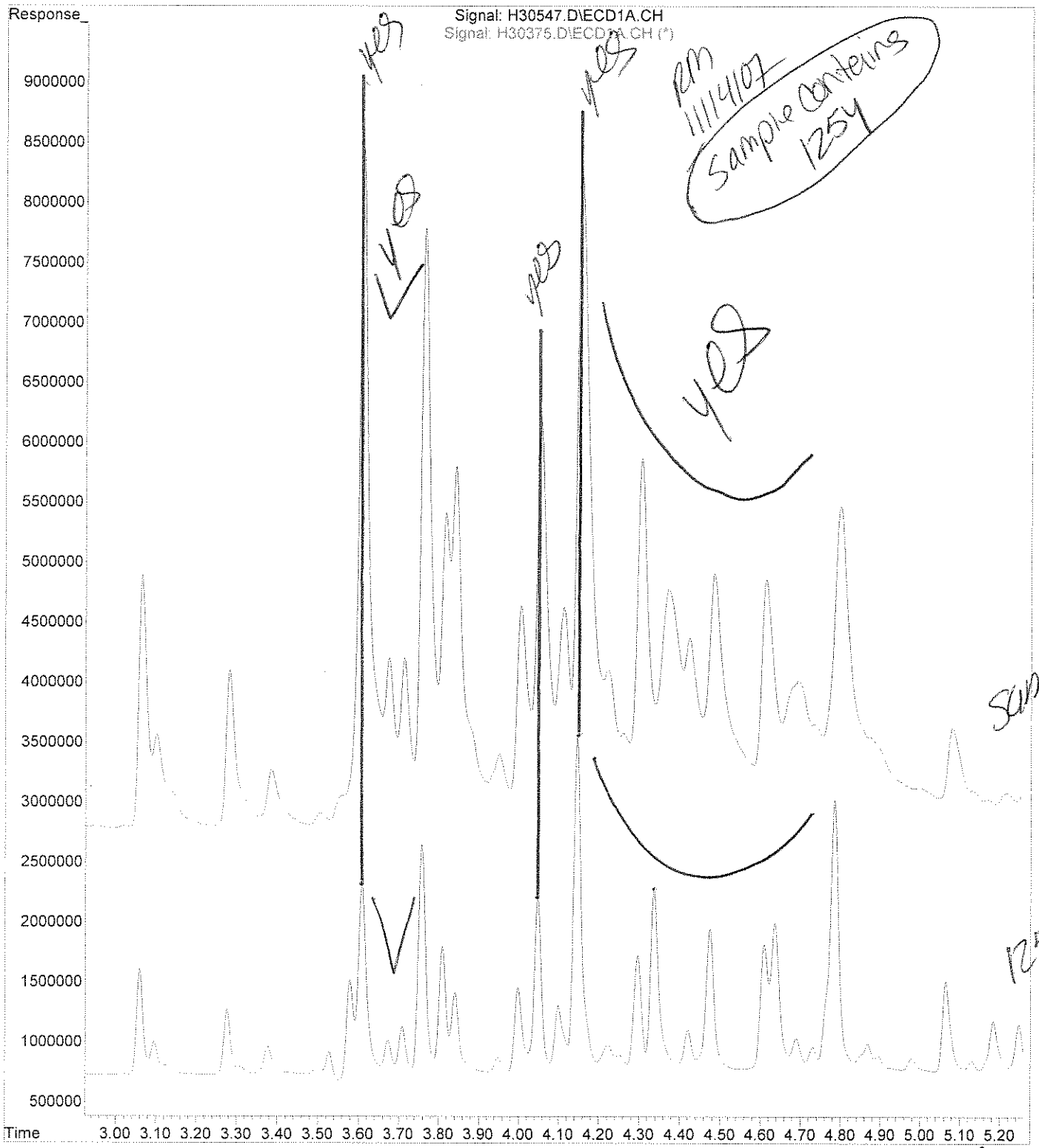
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 11:27:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\54SP11097H.M
Quant Title : Aroclor 1254
QLast Update : Wed Nov 14 11:21:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\111407-H\H30547.D
Operator :
Acquired : 14 Nov 2007 11:05 am using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: ~~60122~~ 60112-8, A /C, DL, 1:1000
Misc Info : SOIL
Vial Number: 17



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November 16, 2007

SAMPLE DATA

Lab Sample ID: 60112-9
Matrix: Solid
Percent Solid: 98
Dilution Factor: 962
Collection Date: 10/31/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-WW-011

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	31700	U
PCB-1221	31700	U
PCB-1232	31700	U
PCB-1242	31700	U
PCB-1248	31700	U
PCB-1254	31700	**74700**
PCB-1260	31700	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-9, A /C, DL, 1:1000

Data File: H30548.D

Dilution Factor: 962.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	74713	63437	16.3	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

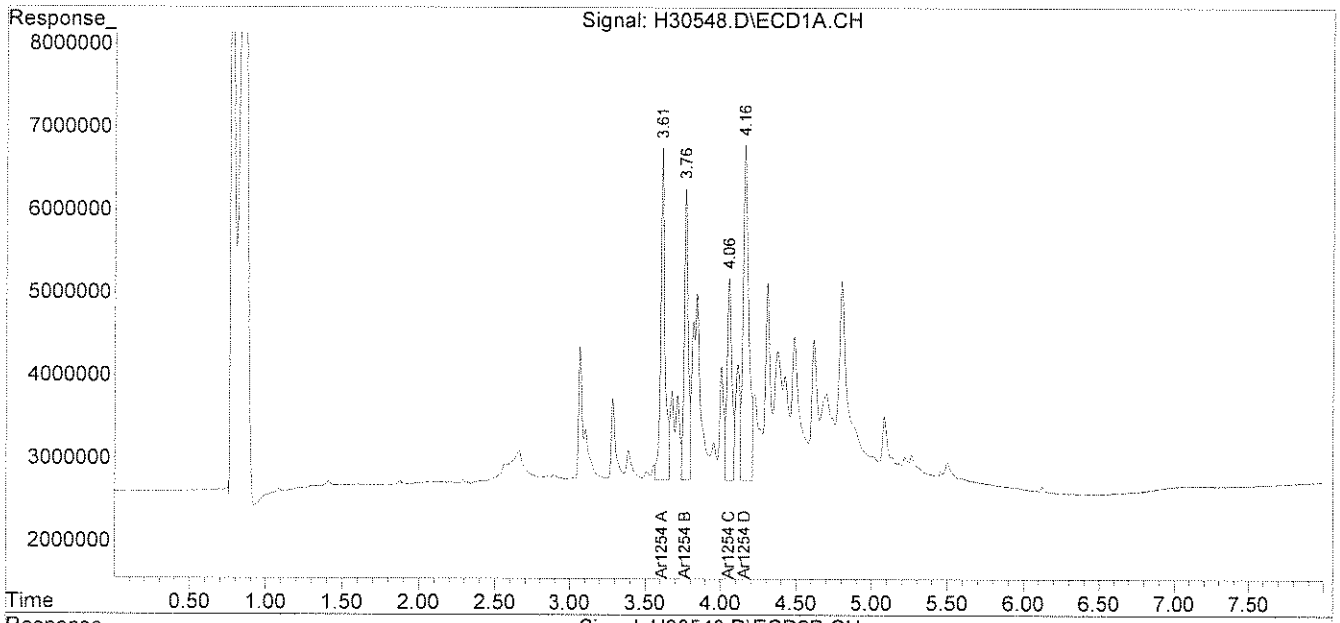
PCB FORM 10

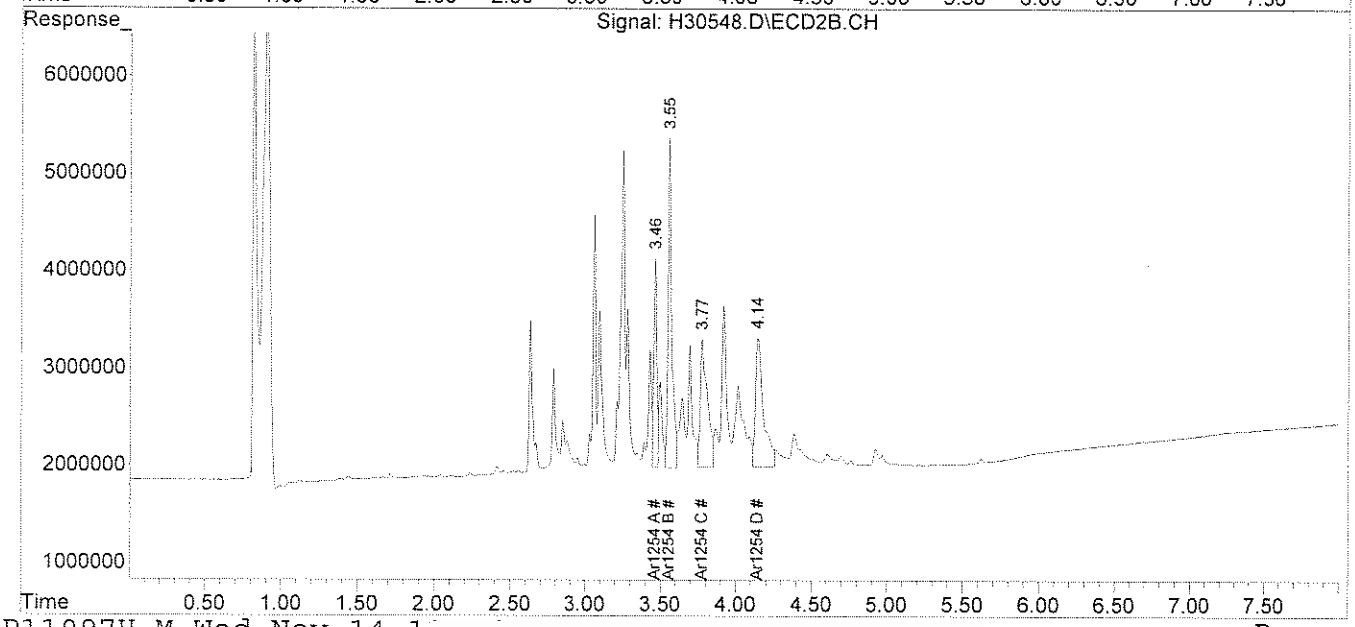
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\111407-H\
Data File : H30548.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 11:15 am
Operator :
Sample : 60112-9, A /C, DL, 1:1000
Misc : SOIL
ALS Vial : 18 Sample Multiplier: 1

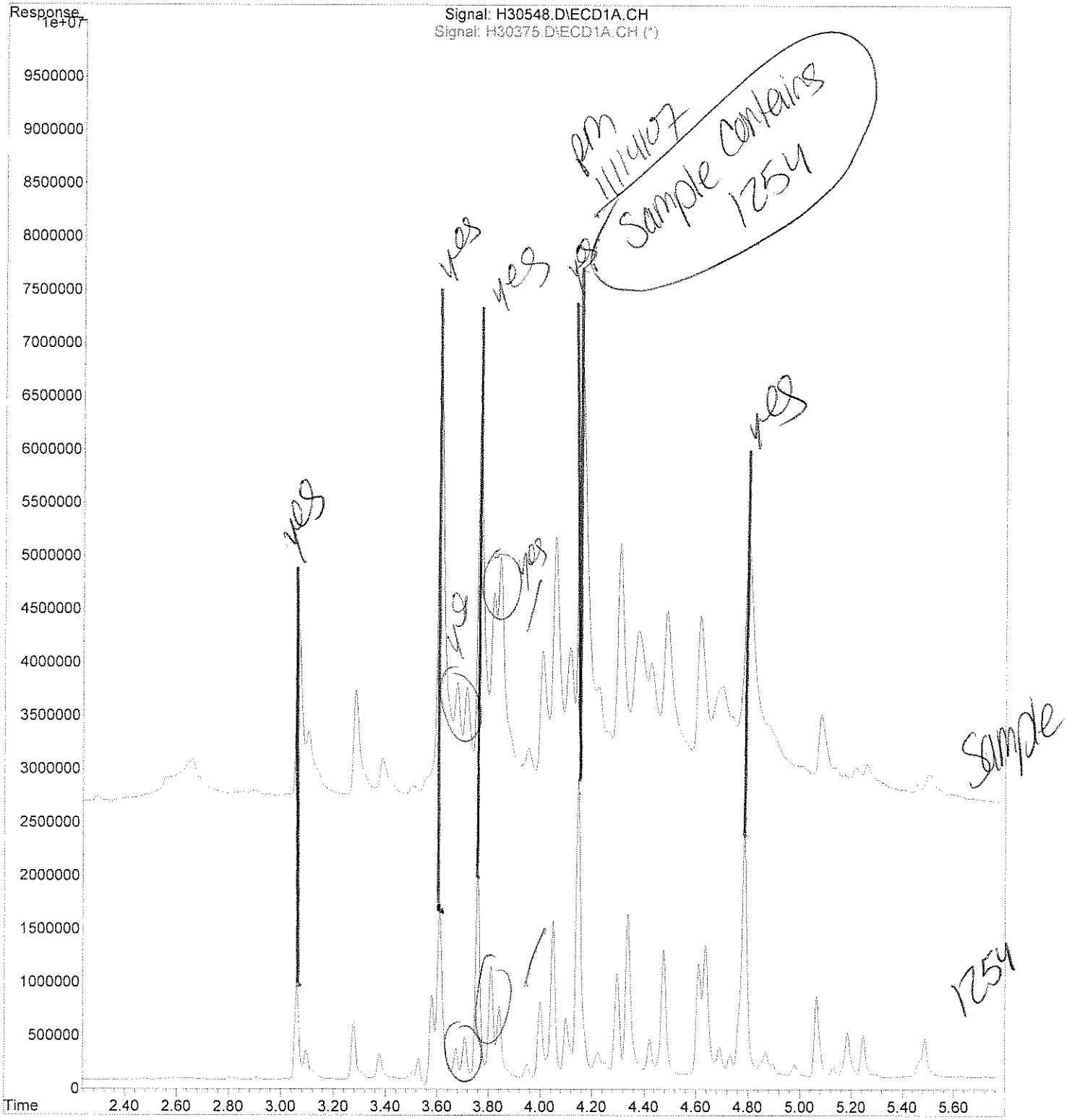
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 12:21:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\54SP11097H.M
Quant Title : Aroclor 1254
QLast Update : Wed Nov 14 11:21:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\111407-H\H30548.D
Operator :
Acquired : 14 Nov 2007 11:15 am using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: ~~60122~~ 60112-9, A /C, DL, 1:1000
Misc Info : SOIL
Vial Number: 18



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November 16, 2007

SAMPLE DATA

Lab Sample ID: 60112-10
Matrix: Solid
Percent Solid: 98
Dilution Factor: 1020
Collection Date: 10/31/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-WW-012

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33700	U
PCB-1221	33700	U
PCB-1232	33700	U
PCB-1242	33700	U
PCB-1248	33700	U
PCB-1254	33700	**435000**
PCB-1260	33700	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-10, A /C, DL, 1:1000

Data File: H30549.D

Dilution Factor: 1014.8

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	434499	404397	7.2	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

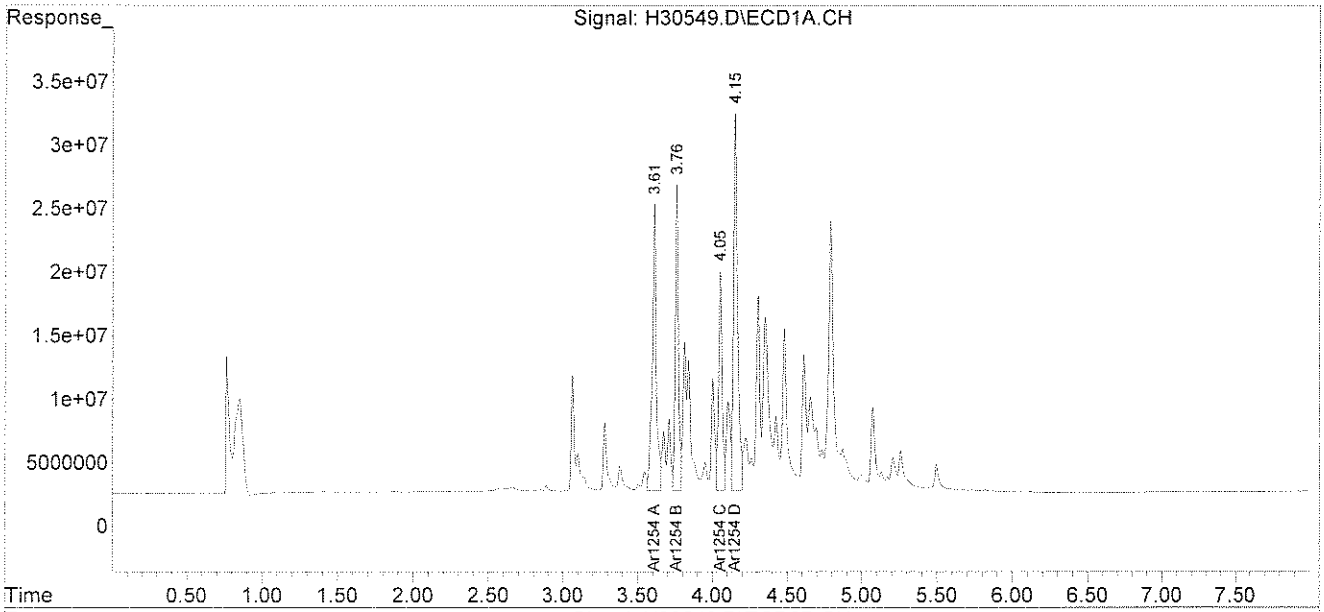
PCB FORM 10

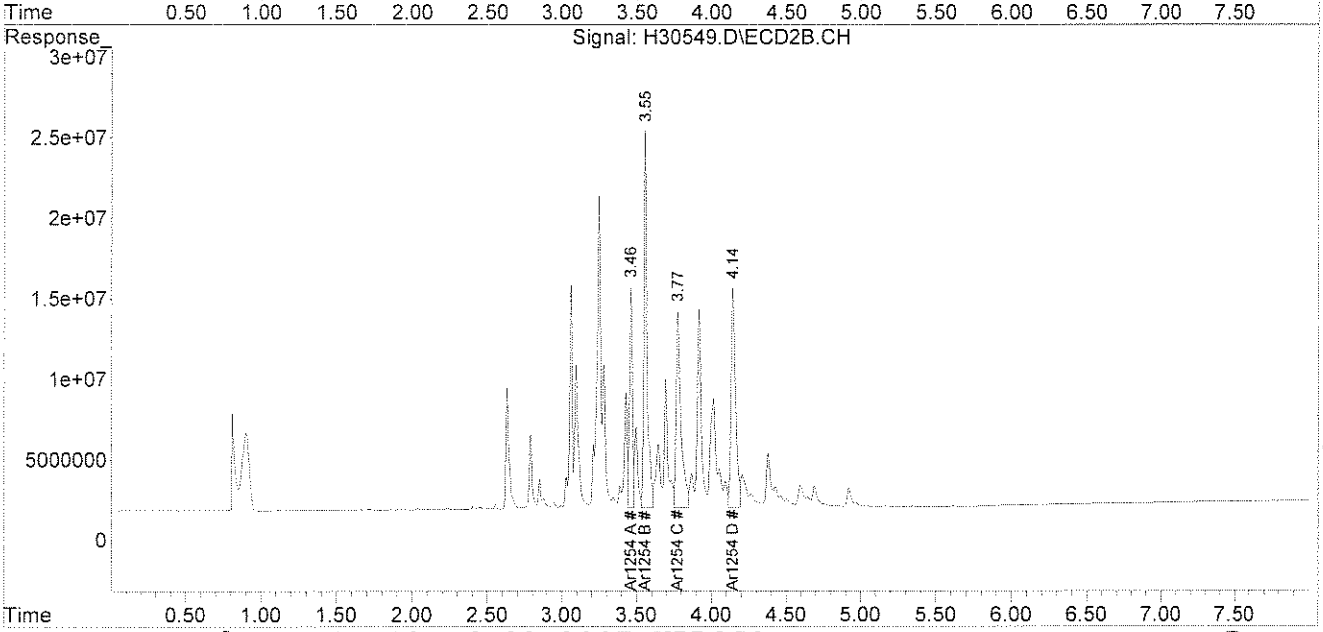
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\111407-H\
Data File : H30549.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 11:26 am
Operator :
Sample : 60112-10, A /C, DL, 1:1000
Misc : SOIL
ALS Vial : 19 Sample Multiplier: 1

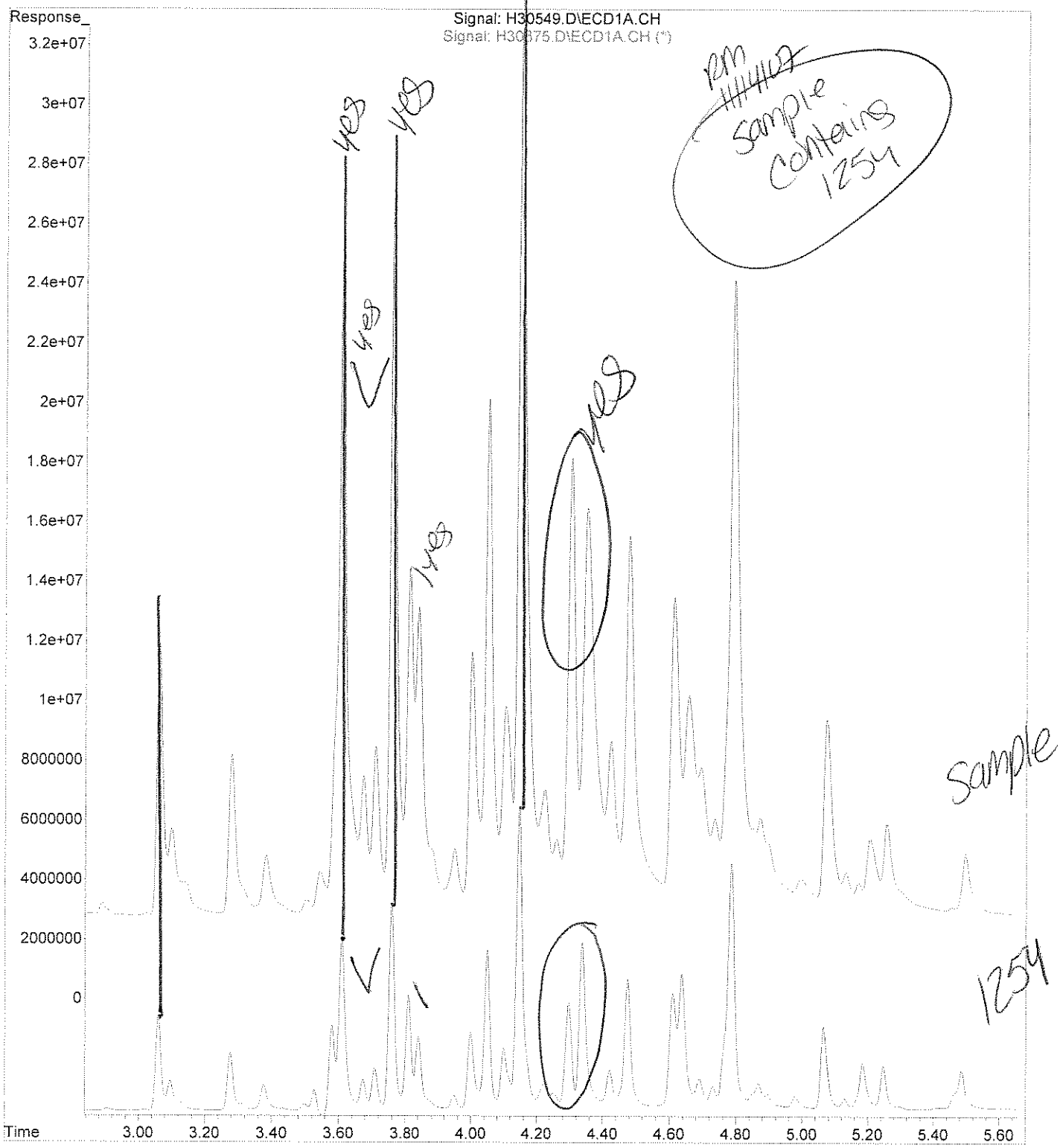
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 12:22:14 2007
Quant Method : C:\MSDCHEM\1\METHODS\54SP11097H.M
Quant Title : Aroclor 1254
QLast Update : Wed Nov 14 11:21:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\111407-H\H30549.D
Operator :
Acquired : 14 Nov 2007 11:26 am using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60122-10, A /C, DL, 1:1000
Misc Info : SOIL
Vial Number: 19



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35 NE Business Center Suite 180
Andover MA 01810

November 16, 2007

SAMPLE DATA

Lab Sample ID: 60112-11
Matrix: Solid
Percent Solid: 98
Dilution Factor: 947
Collection Date: 10/31/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-WW-013

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	31300	U
PCB-1221	31300	U
PCB-1232	31300	U
PCB-1242	31300	U
PCB-1248	31300	U
PCB-1254	31300	**399000**
PCB-1260	31300	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-11, A /C, DL, 1:1000

Data File: H30550.D

Dilution Factor: 947.3

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	398496	363318	9.2	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

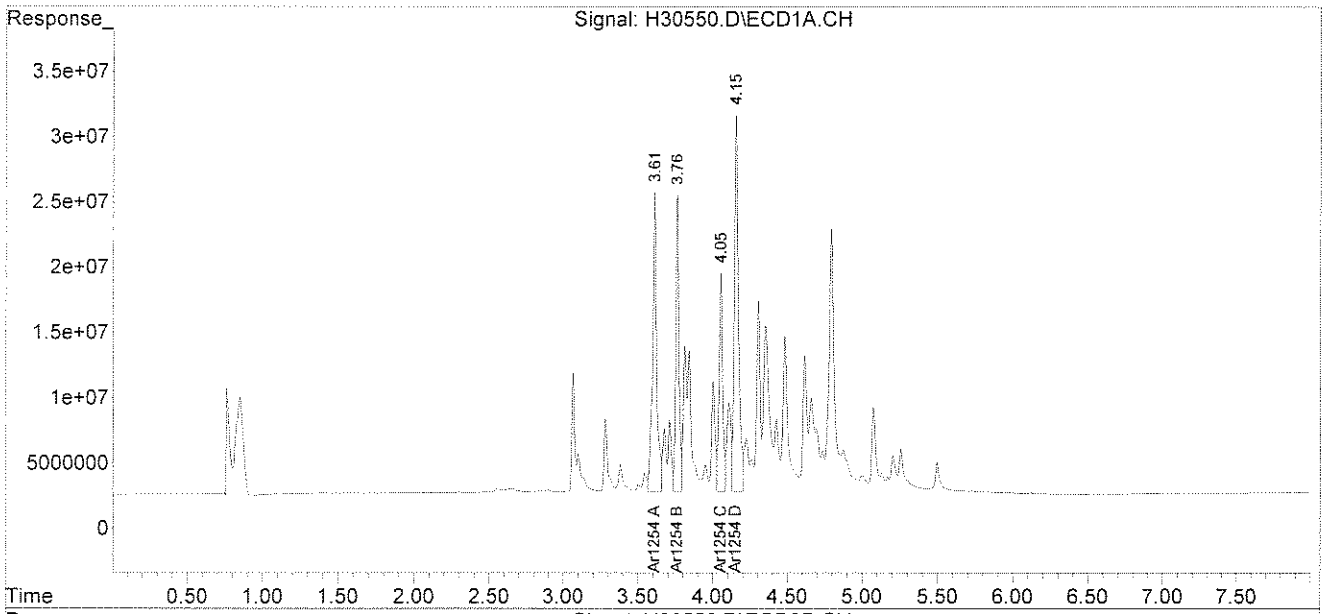
PCB FORM 10

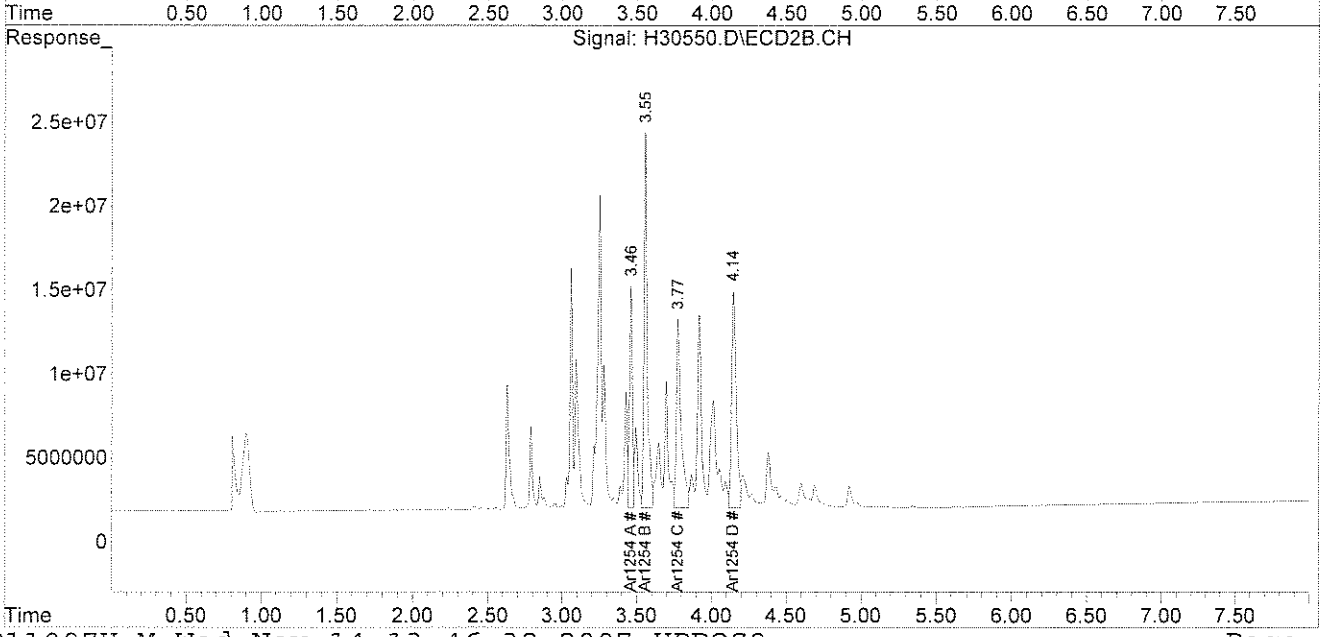
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\111407-H\
Data File : H30550.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 11:36 am
Operator :
Sample : 60112-11, A /C, DL, 1:1000
Misc : SOIL
ALS Vial : 20 Sample Multiplier: 1

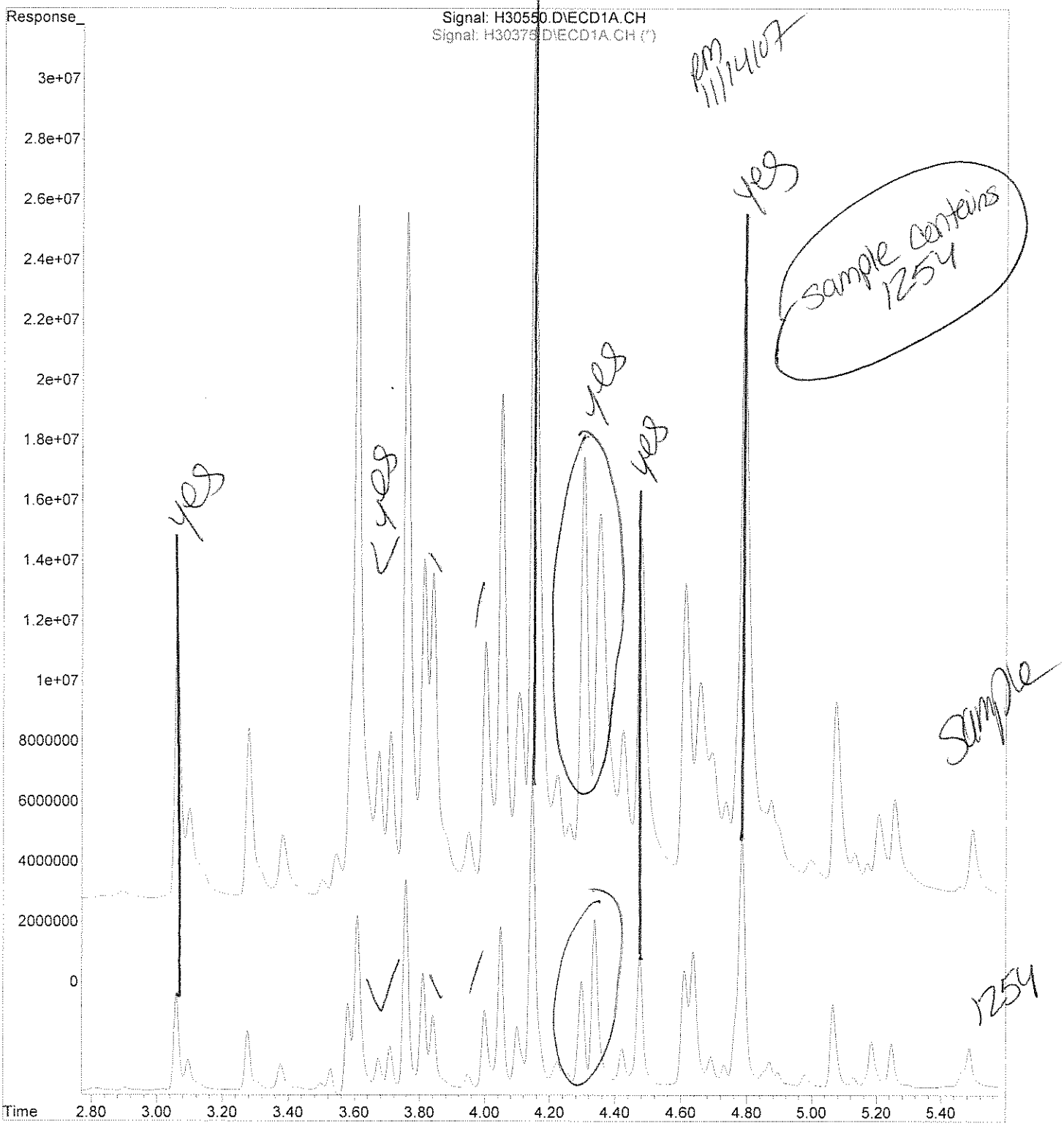
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 12:22:40 2007
Quant Method : C:\MSDCHEM\1\METHODS\54SP11097H.M
Quant Title : Aroclor 1254
QLast Update : Wed Nov 14 11:21:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\111407-H\H30550.D
Operator :
Acquired : 14 Nov 2007 11:36 am using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: ~~60122-~~11, A /C, DL, 1:1000
Misc Info : SOIL60112-11
Vial Number: 20



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November 16, 2007

SAMPLE DATA

Lab Sample ID: 60112-12
Matrix: Solid
Percent Solid: 98
Dilution Factor: 2010
Collection Date: 10/31/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-WW-014

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	66300	U
PCB-1221	66300	U
PCB-1232	66300	U
PCB-1242	66300	U
PCB-1248	66300	U
PCB-1254	66300	**587000**
PCB-1260	66300	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-12, A/C, DL, 1:2000

Data File: H30565.D

Dilution Factor: 2008.6

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	587145	584683	0.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

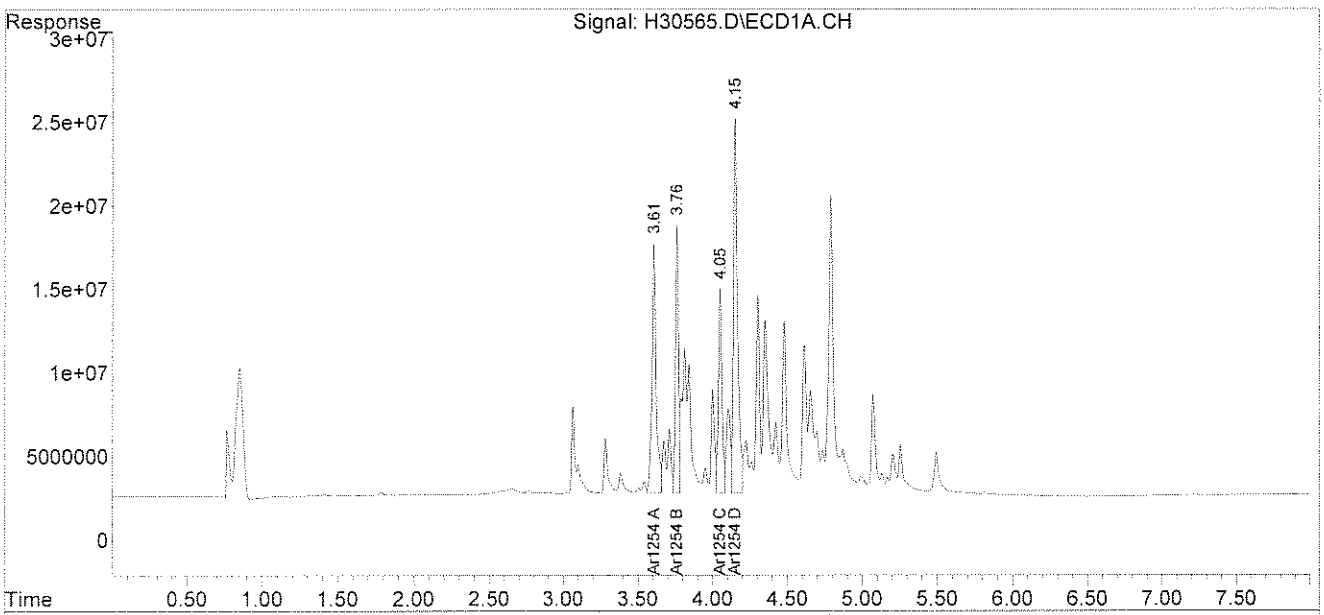
PCB FORM 10

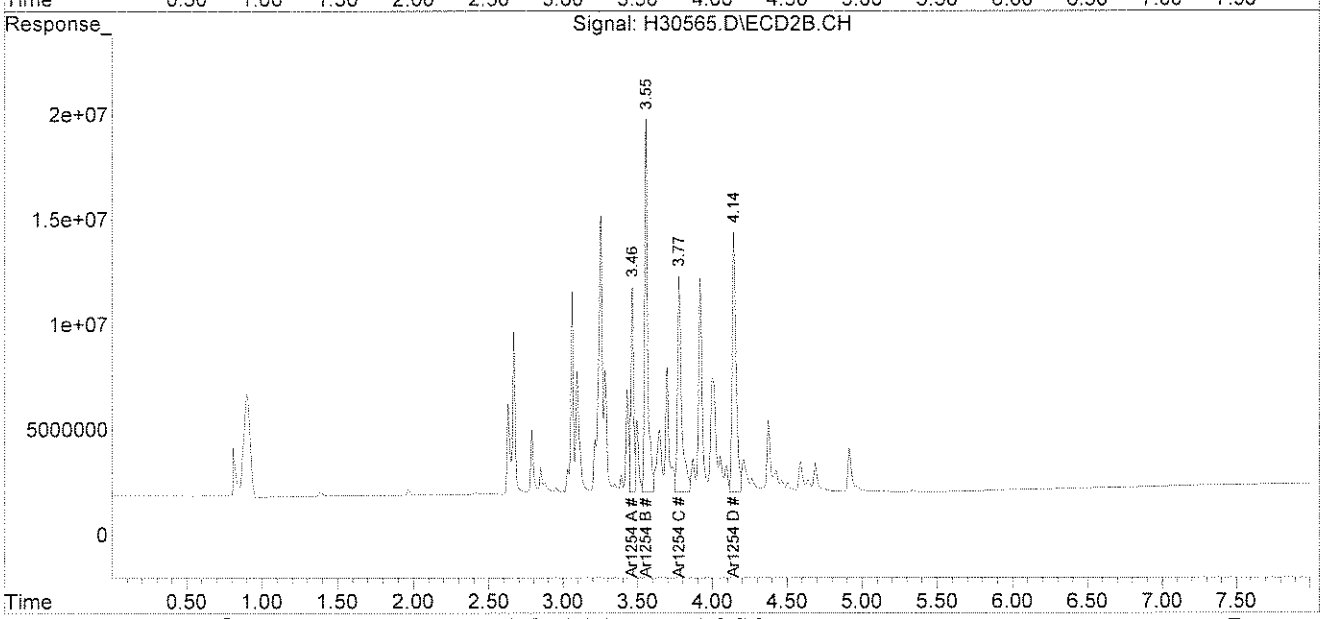
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111407-H\
Data File : H30565.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 2:17 pm
Operator :
Sample : 60112-12, A/C, DL, 1:2000
Misc : SOIL
ALS Vial : 35 Sample Multiplier: 1

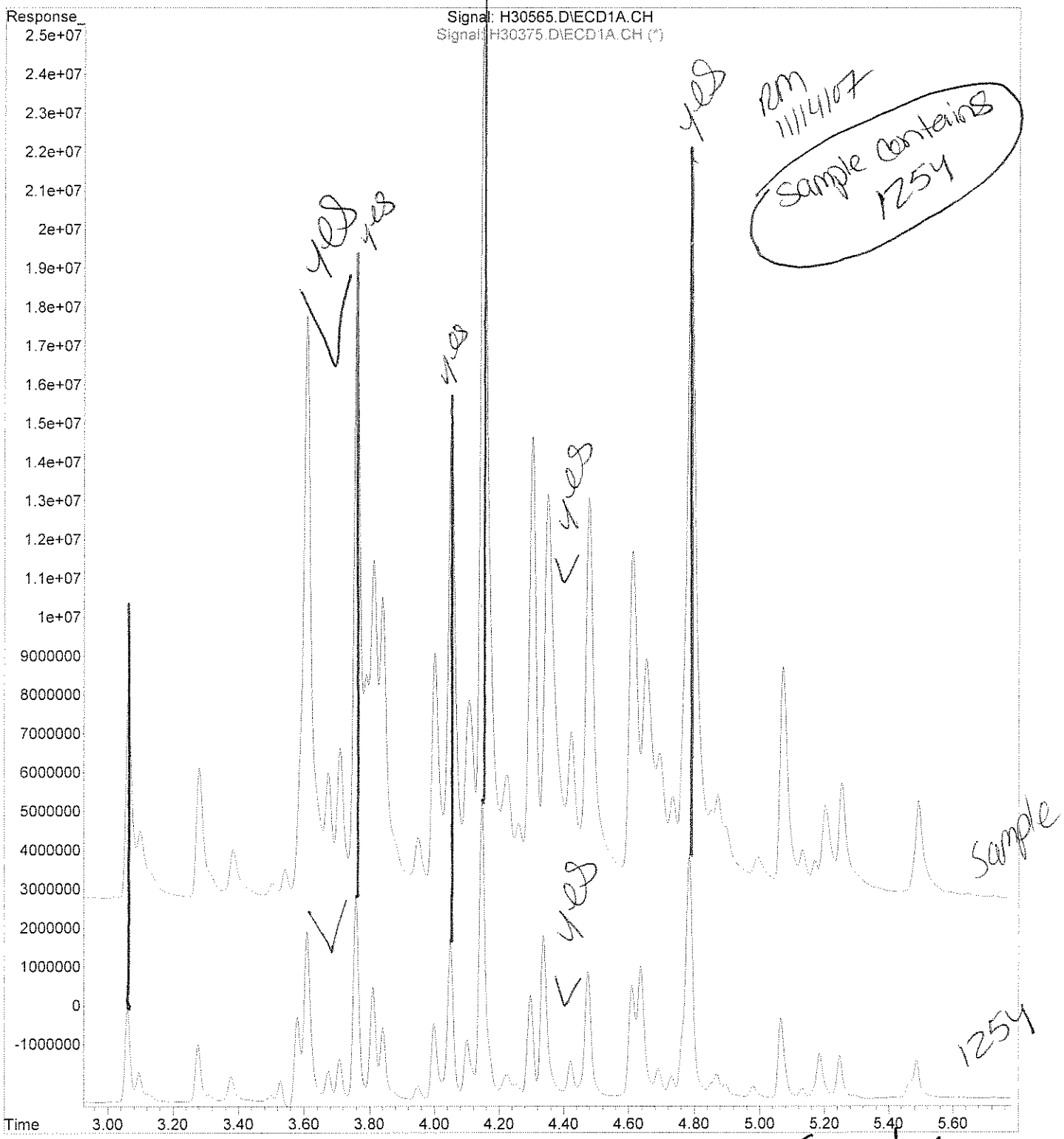
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 14:32:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\54SP11097H.M
Quant Title : Aroclor 1254
QLast Update : Wed Nov 14 11:21:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDCHEM\1\DATA\111407-H\H30565.D
Operator :
Acquired : 14 Nov 2007 2:17 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60112-12, A/C, DL, 1:2000
Misc Info : SOIL
Vial Number: 35



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November 16, 2007

SAMPLE DATA

Lab Sample ID: 60112-13
Matrix: Solid
Percent Solid: 98
Dilution Factor: 4880
Collection Date: 10/31/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-WW-015

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	161000	U
PCB-1221	161000	U
PCB-1232	161000	U
PCB-1242	161000	U
PCB-1248	161000	U
PCB-1254	161000	**906000**
PCB-1260	161000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-13, A/C, DL, 1:5000

Data File: H30566.D

Dilution Factor: 4876.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	905917	872120	3.8	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

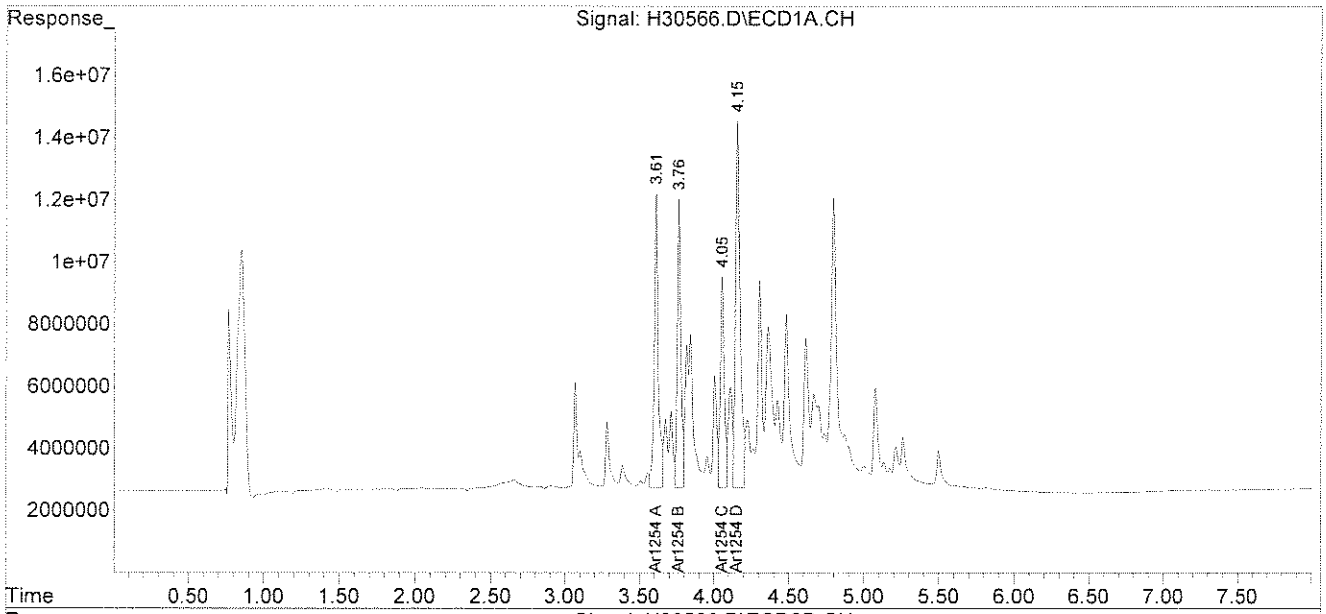
PCB FORM 10

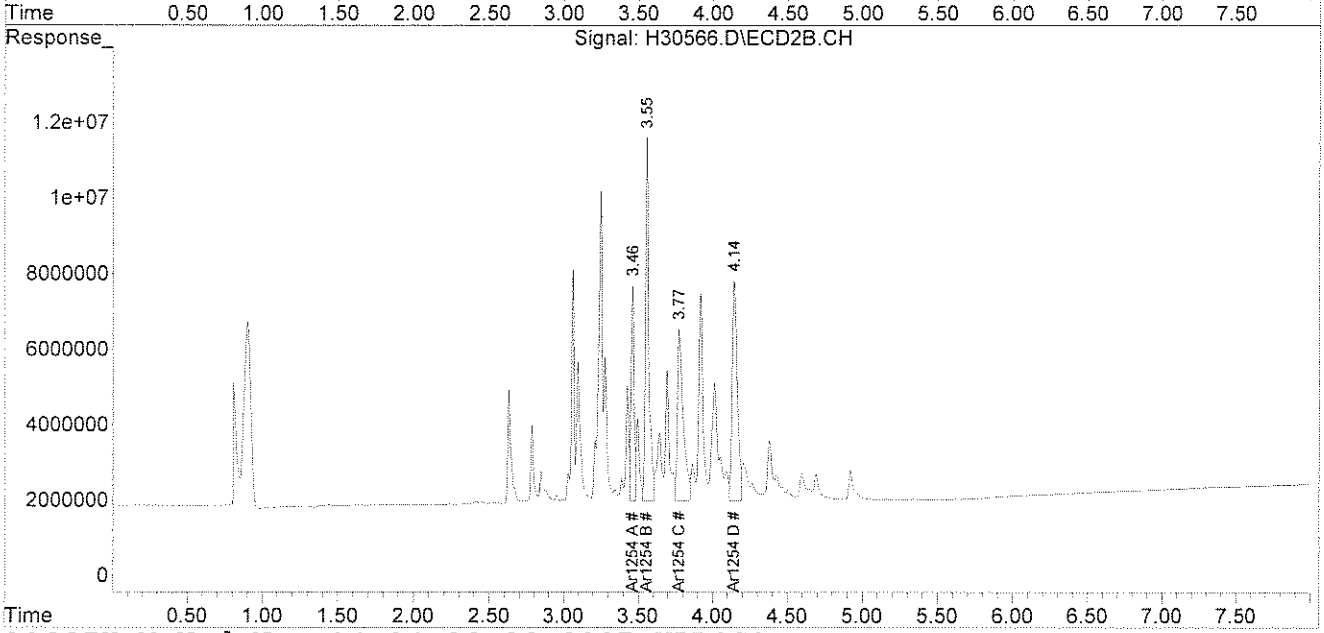
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111407-H\
Data File : H30566.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 2:27 pm
Operator :
Sample : 60112-13, A/C, DL, 1:5000
Misc : SOIL
ALS Vial : 36 Sample Multiplier: 1

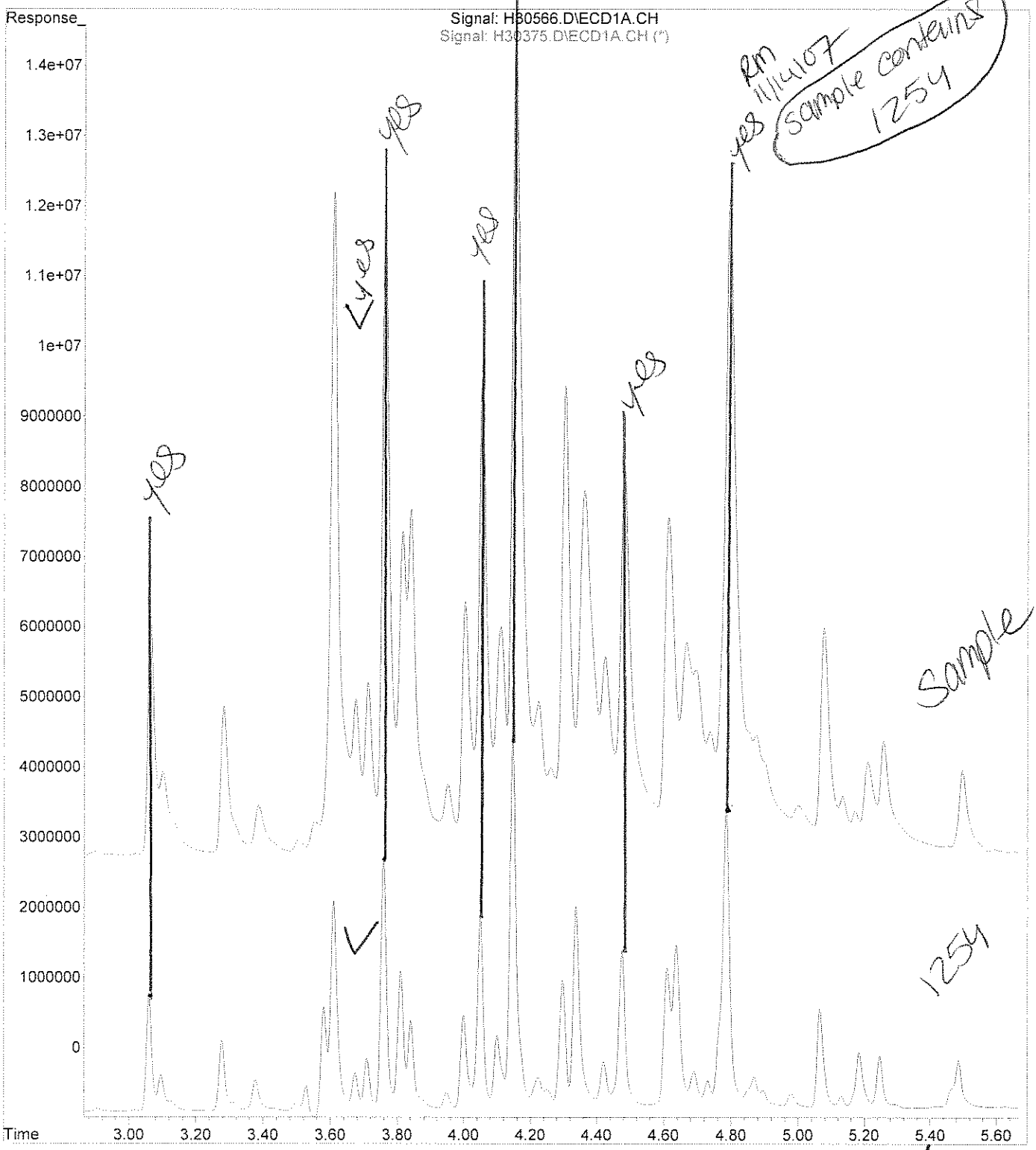
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 14:38:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\54SP11097H.M
Quant Title : Aroclor 1254
QLast Update : Wed Nov 14 11:21:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDCHEM\1\DATA\111407-H\H30566.D
Operator :
Acquired : 14 Nov 2007 2:27 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60112-13, A/C, DL, 1:5000
Misc Info : SOIL
Vial Number: 36



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Andover MA 01810

November 16, 2007

SAMPLE DATA

Lab Sample ID: 60112-14
Matrix: Solid
Percent Solid: 96
Dilution Factor: 519
Collection Date: 10/31/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: MIT-WW-016

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	17100	U
PCB-1221	17100	U
PCB-1232	17100	U
PCB-1242	17100	U
PCB-1248	17100	**26100**
PCB-1254	17100	U
PCB-1260	17100	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-14, A/C, DL, 1:500

Data File: H30567.D

Dilution Factor: 518.7

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	23854	26072	8.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

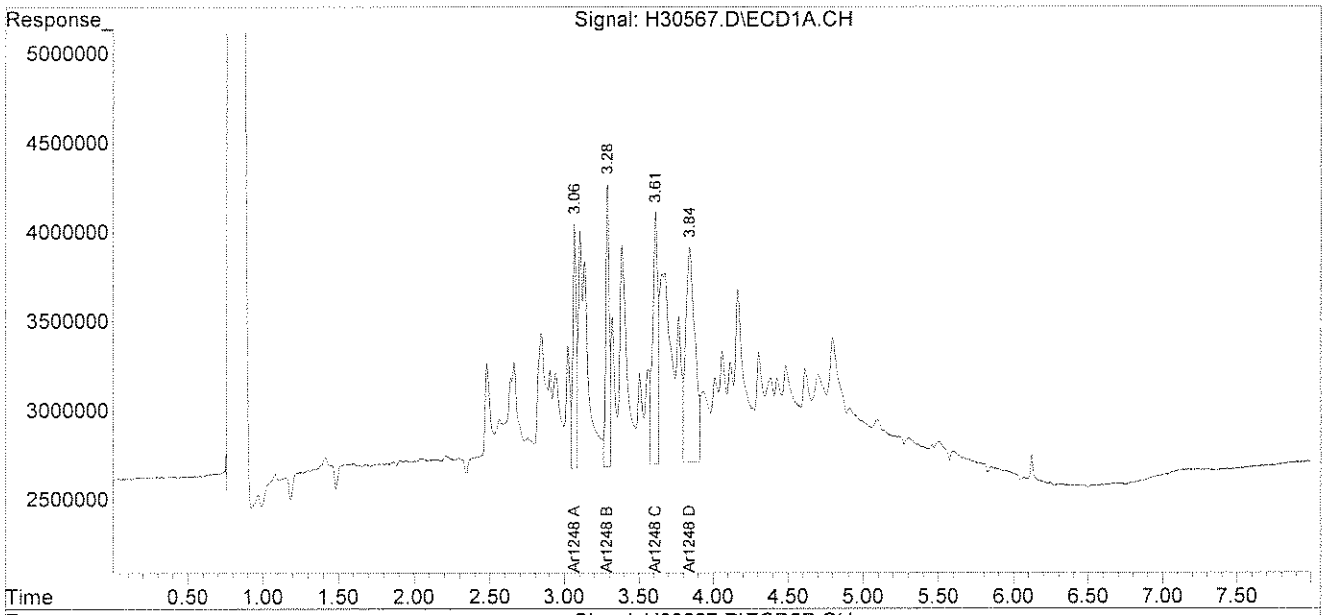
PCB FORM 10

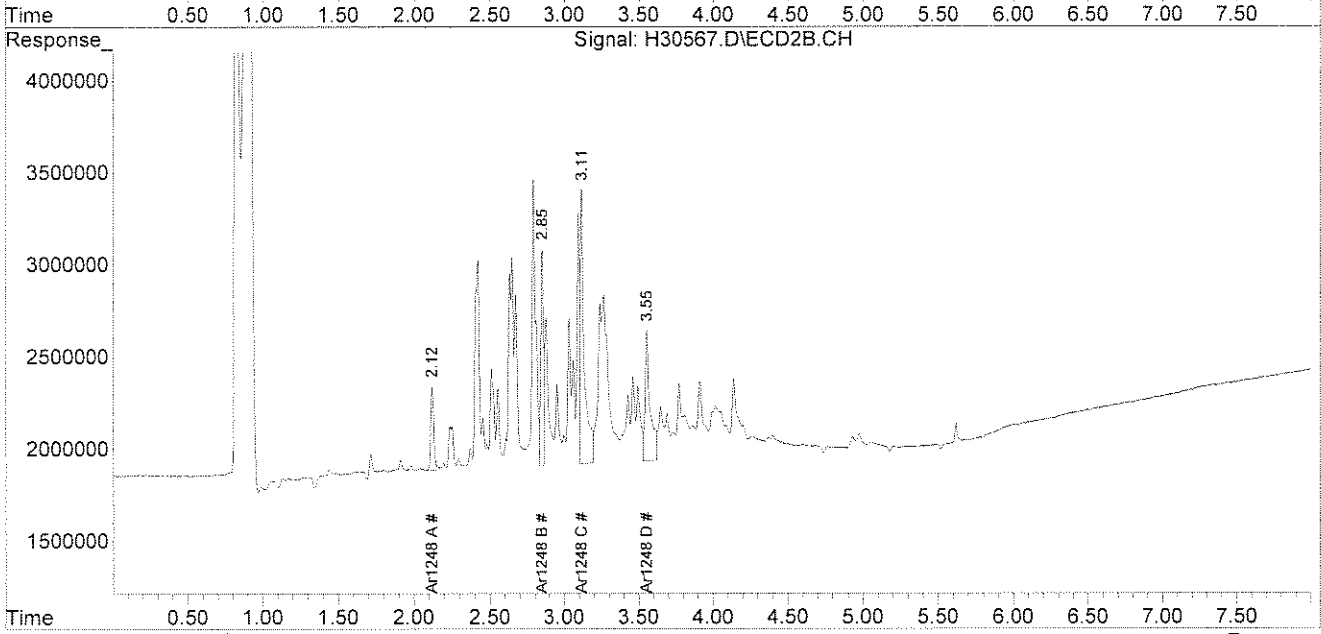
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111407-H\
Data File : H30567.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 2:38 pm
Operator :
Sample : 60112-14, A/C, DL, 1:500
Misc : SOIL
ALS Vial : 37 Sample Multiplier: 1

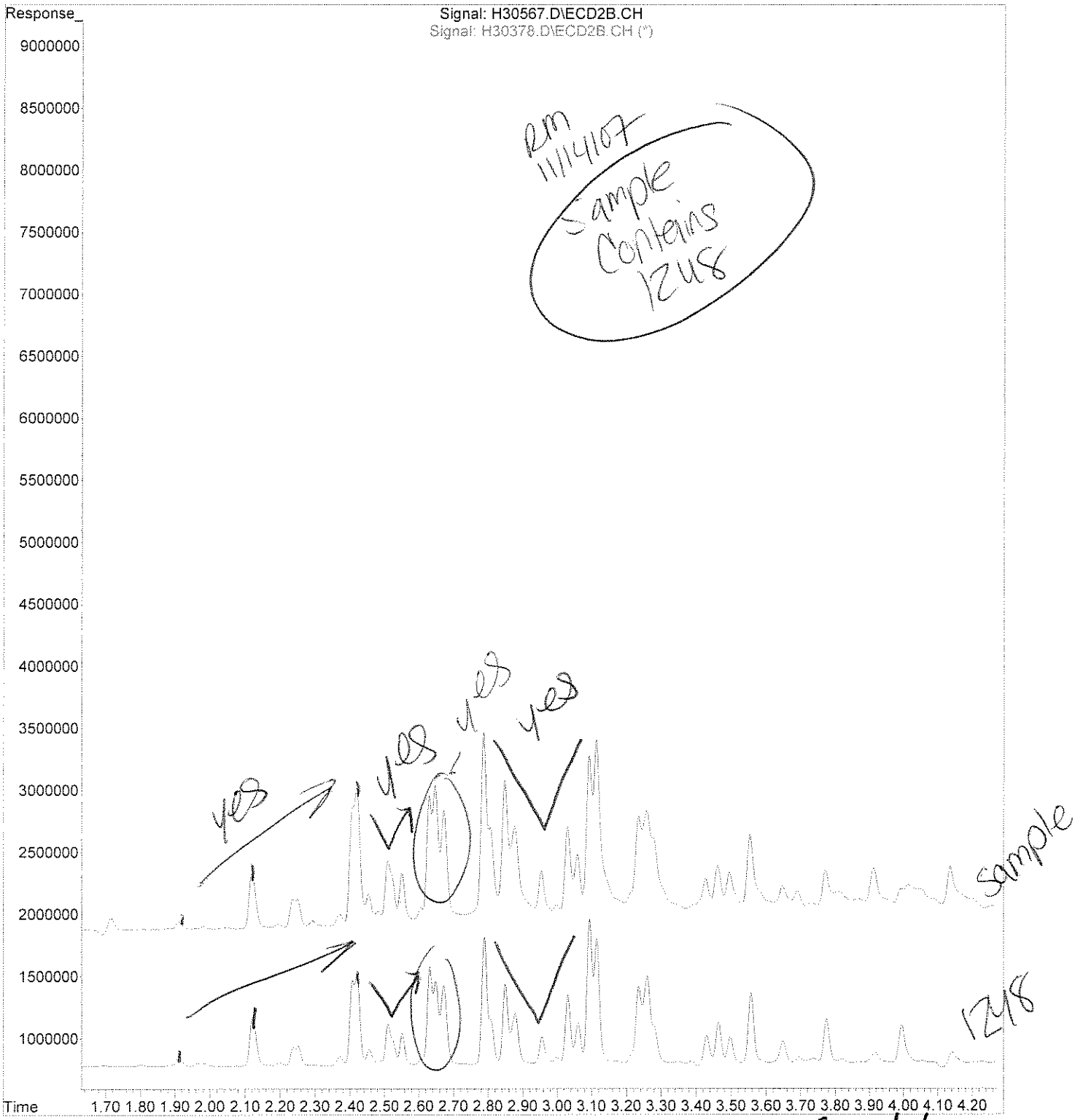
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 15:05:28 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11097H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 14 10:48:43 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDCHEM\1\DATA\111407-H\H30567.D
Operator :
Acquired : 14 Nov 2007 2:38 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60112-14, A/C, DL, 1:500
Misc Info : SOIL
Vial Number: 37



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November 16, 2007

SAMPLE DATA

Lab Sample ID: 60112-15
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1020
Collection Date: 10/31/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-WW-017

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33700	U
PCB-1221	33700	U
PCB-1232	33700	U
PCB-1242	33700	U
PCB-1248	33700	U
PCB-1254	33700	**122000**
PCB-1260	33700	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-15, A /C, DL, 1:100(

Data File: H30554.D

Dilution Factor: 1020.5

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	122400	108366	12.2	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

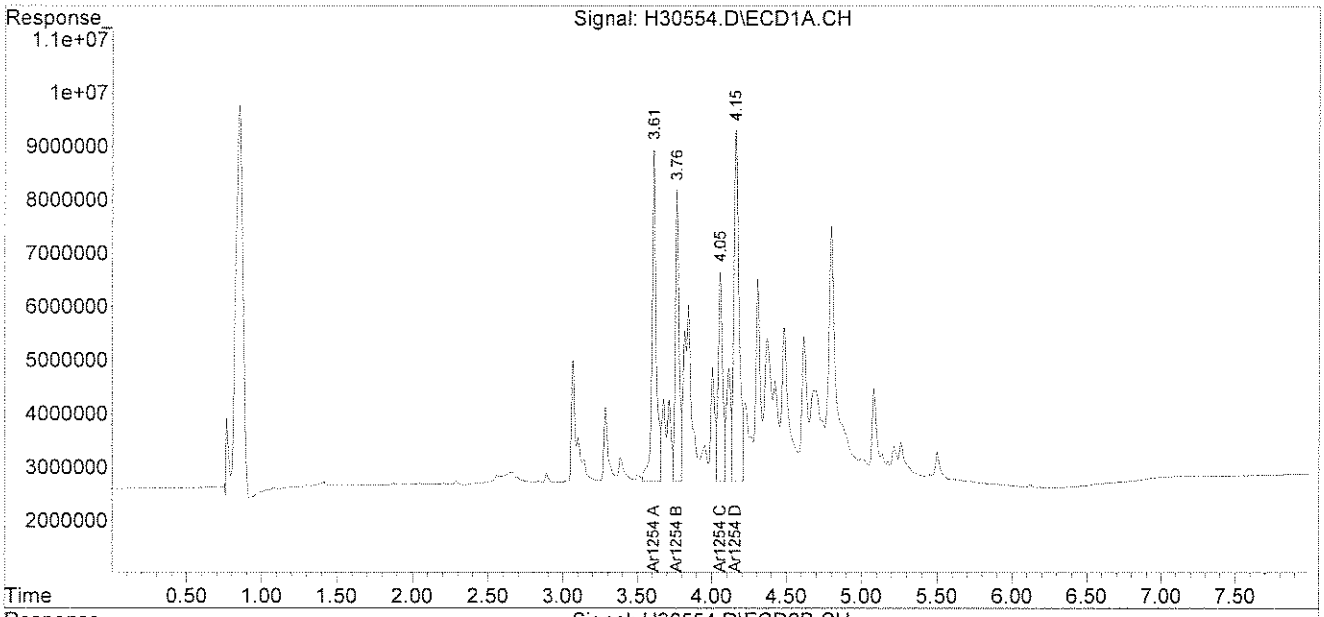
PCB FORM 10

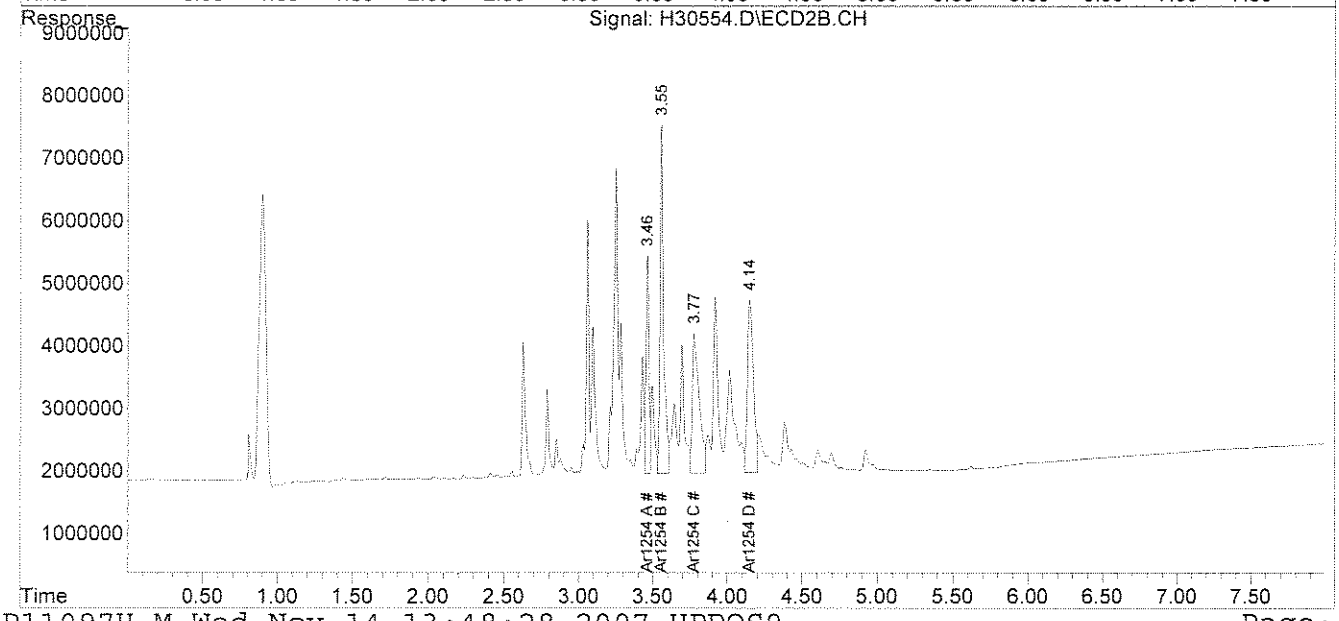
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\111407-H\
Data File : H30554.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 12:18 pm
Operator :
Sample : 60112-15, A /C, DL, 1:1000
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

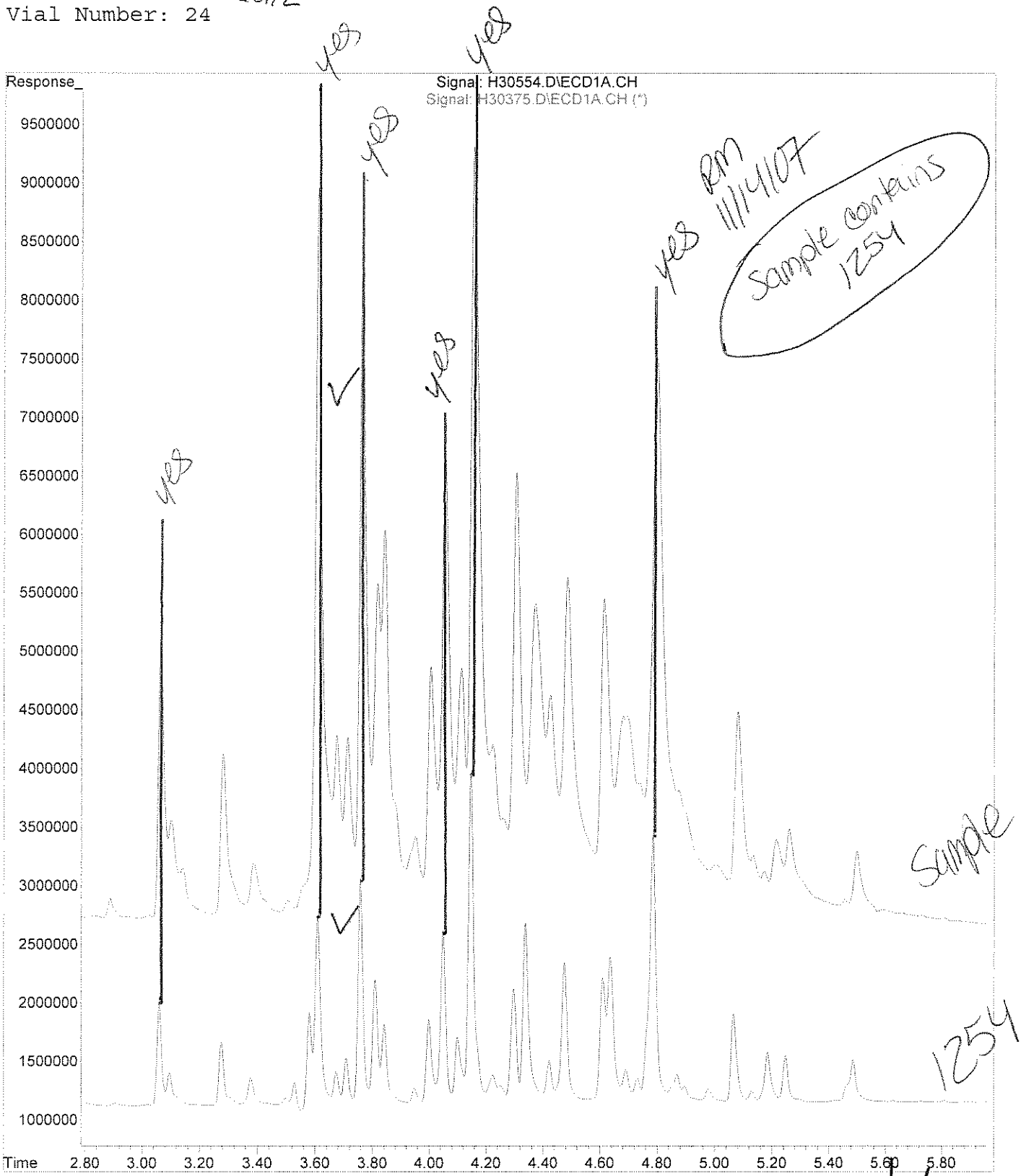
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 12:31:28 2007
Quant Method : C:\MSDCHEM\1\METHODS\54SP11097H.M
Quant Title : Aroclor 1254
QLast Update : Wed Nov 14 11:21:25 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\111407-H\H30554.D
Operator :
Acquired : 14 Nov 2007 12:18 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: ~~60122~~-15, A /C, DL, 1:1000
Misc Info : SOIL 60112
Vial Number: 24



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November 16, 2007

SAMPLE DATA

Lab Sample ID: 60112-16
Matrix: Solid
Percent Solid: 96
Dilution Factor: 96300
Collection Date: 10/31/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-WW-018

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	3178000	U
PCB-1221	3178000	U
PCB-1232	3178000	U
PCB-1242	3178000	U
PCB-1248	3178000	**7770000**
PCB-1254	3178000	**8420000**
PCB-1260	3178000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-16, A/C, DL, 1:100000

Data File: H30568.D

Dilution Factor: 96310.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	7016868	7768142	10.2	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

PCB FORM 10

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-16, A/C, DL, 1:100000

Data File: H30568.D

Dilution Factor: 96310.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	8415522	7356170	13.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

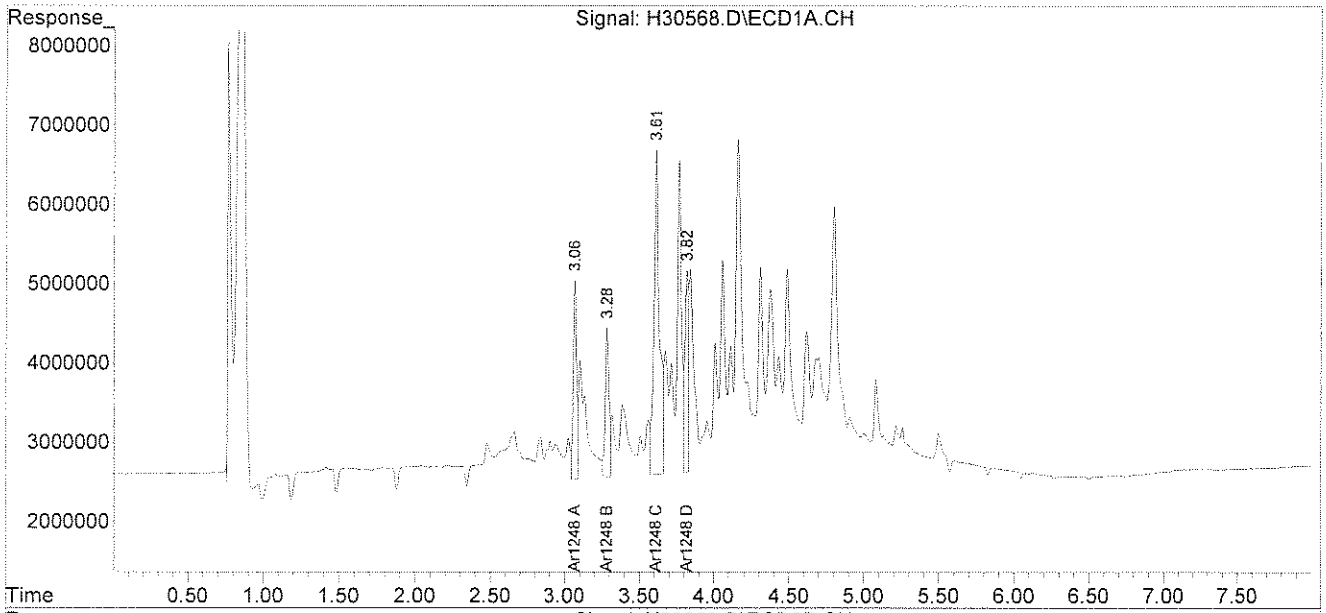
PCB FORM 10

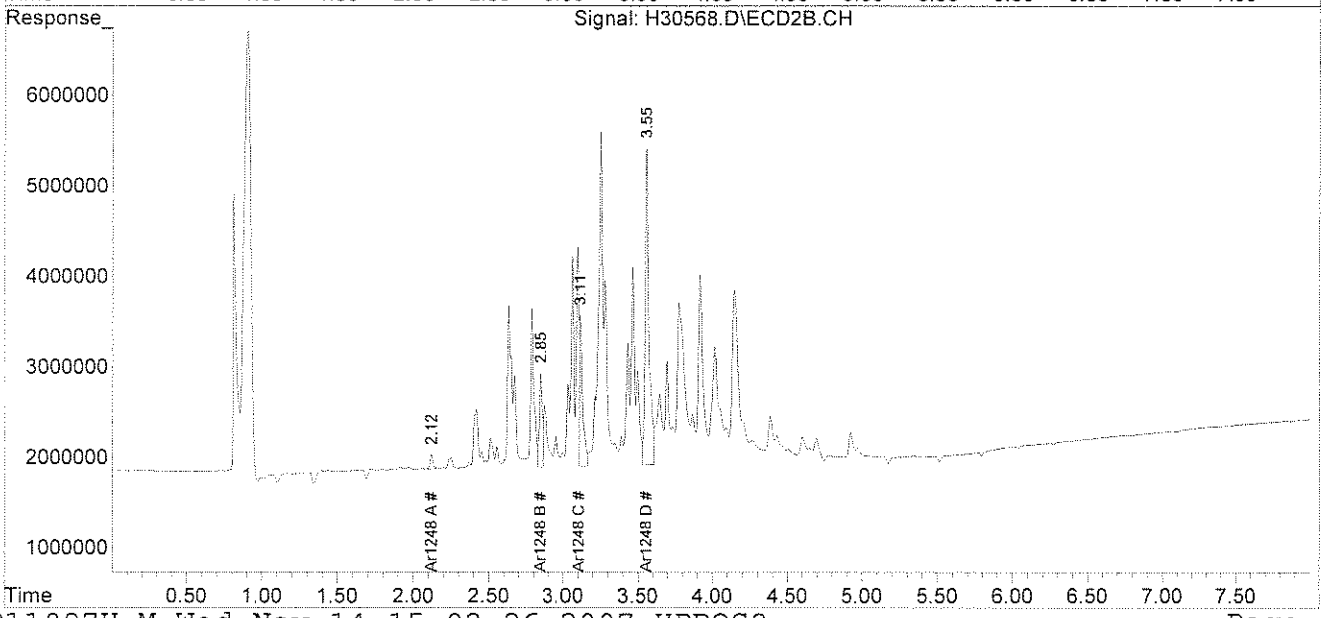
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111407-H\
Data File : H30568.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 2:49 pm
Operator :
Sample : 60112-16, A/C, DL, 1:100000
Misc : SOIL
ALS Vial : 38 Sample Multiplier: 1

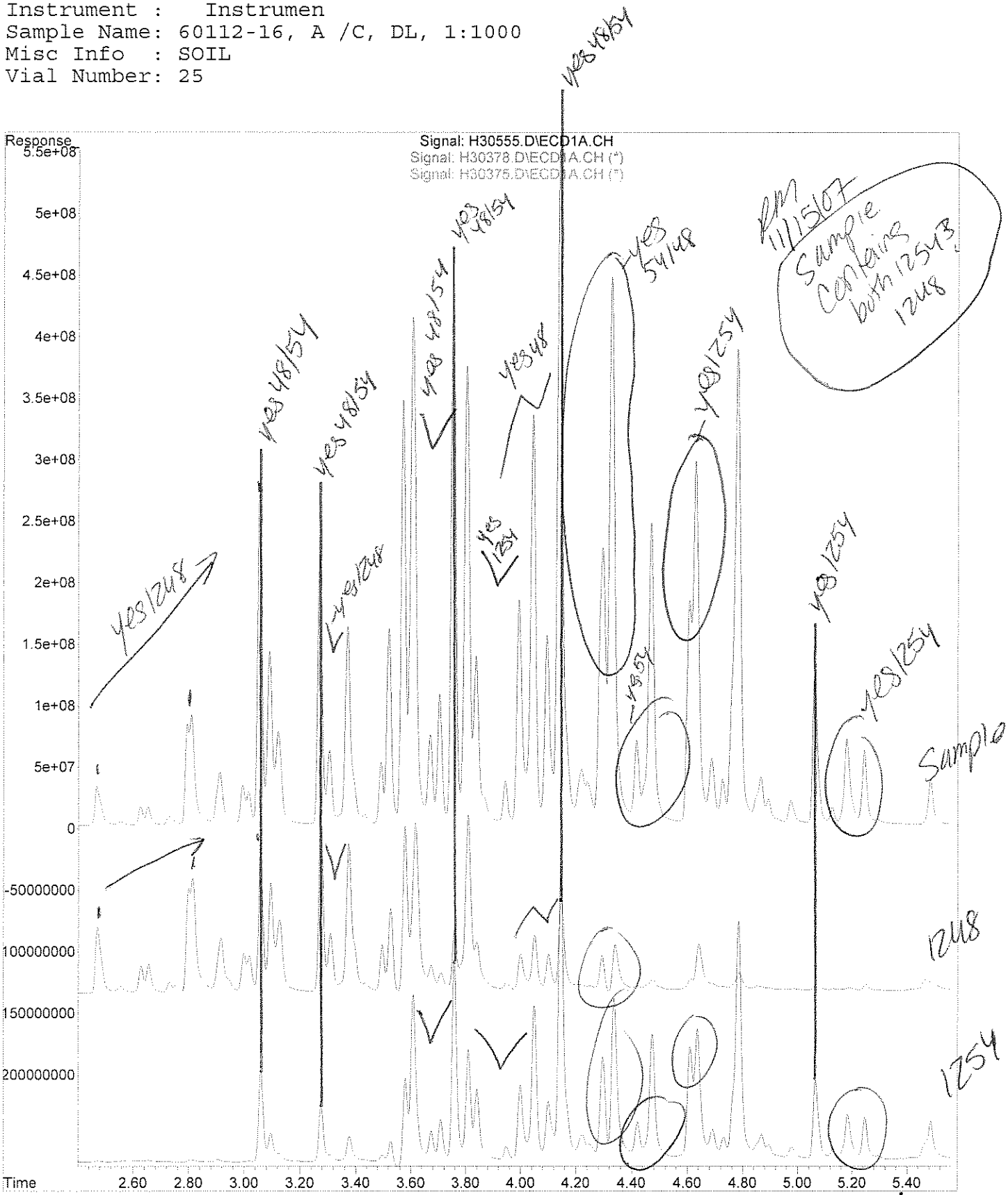
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 15:02:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11097H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 14 10:48:43 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\111407-H\H30555.D
Operator :
Acquired : 14 Nov 2007 12:29 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60112-16, A /C, DL, 1:1000
Misc Info : SOIL
Vial Number: 25



SLK 11/16/07

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

November 16, 2007

SAMPLE DATA

Lab Sample ID: 60112-17
Matrix: Solid
Percent Solid: 96
Dilution Factor: 2000
Collection Date: 10/31/07
Lab Receipt Date: 11/02/07
Extraction Date: 11/08/07
Analysis Date: 11/14/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: MIT-WW-019

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	66000	U
PCB-1221	66000	U
PCB-1232	66000	U
PCB-1242	66000	U
PCB-1248	66000	**567000**
PCB-1254	66000	U
PCB-1260	66000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Sample: 60112-17, A/C, DL, 1:2000

Data File: H30570.D

Dilution Factor: 2002.7

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	567427	566596	0.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

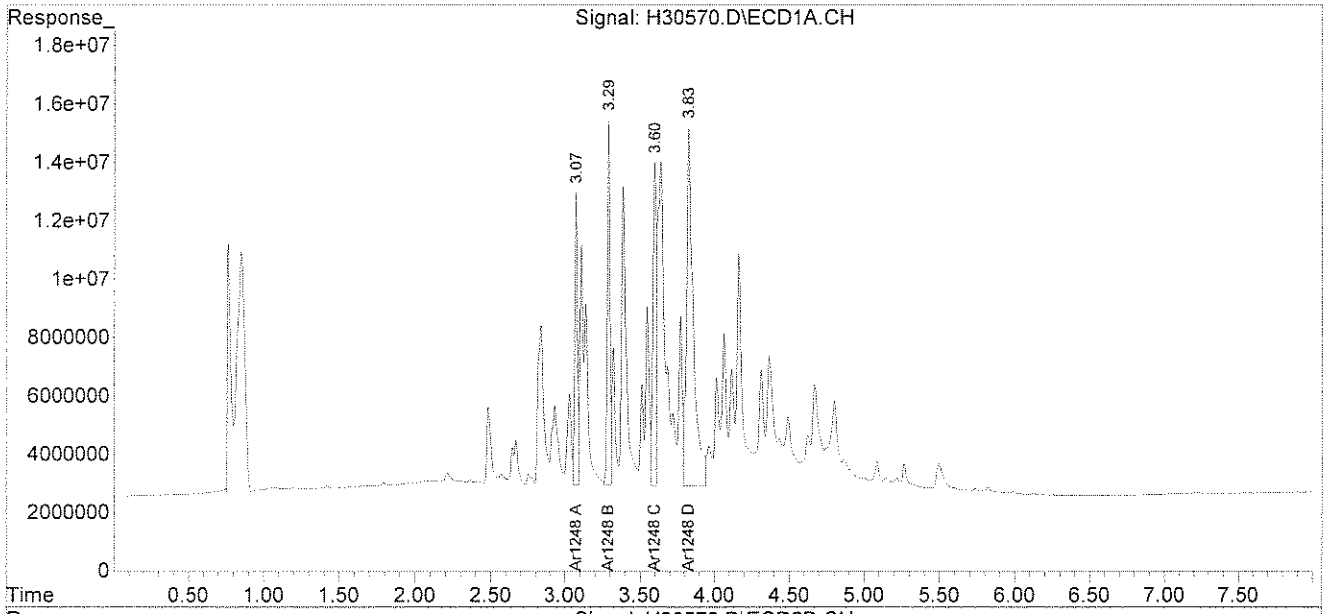
PCB FORM 10

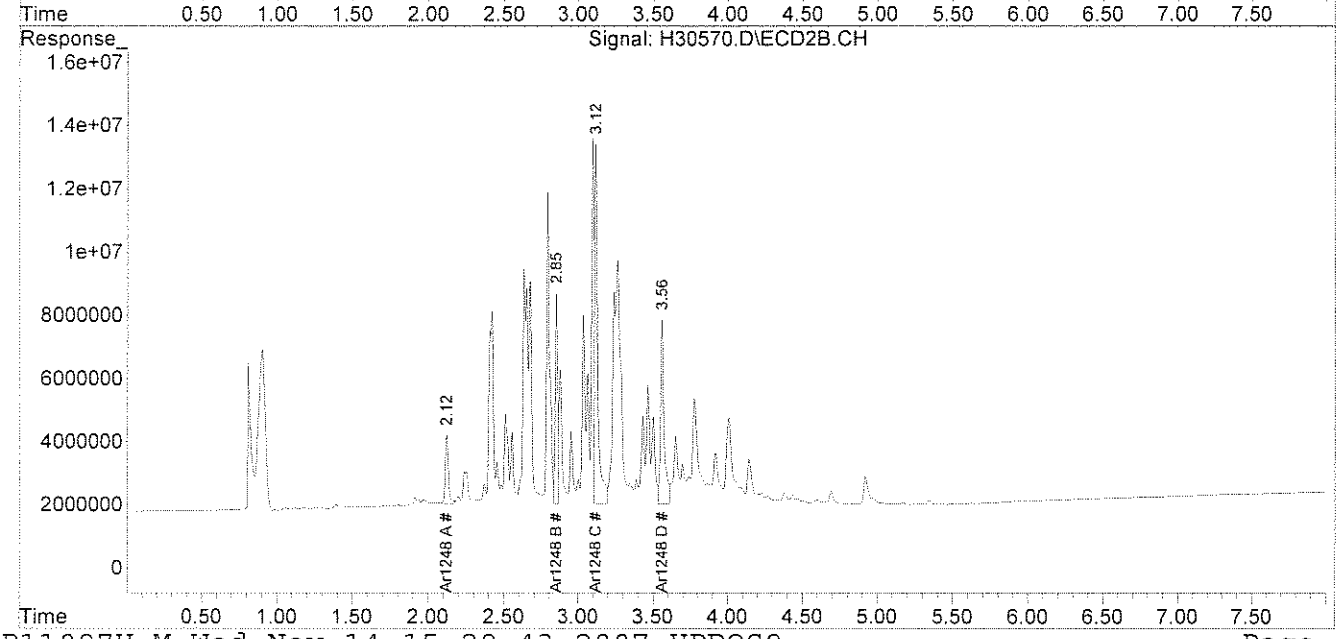
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\111407-H\
Data File : H30570.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2007 3:18 pm
Operator :
Sample : 60112-17, A/C, DL, 1:2000
Misc : SOIL
ALS Vial : 40 Sample Multiplier: 1

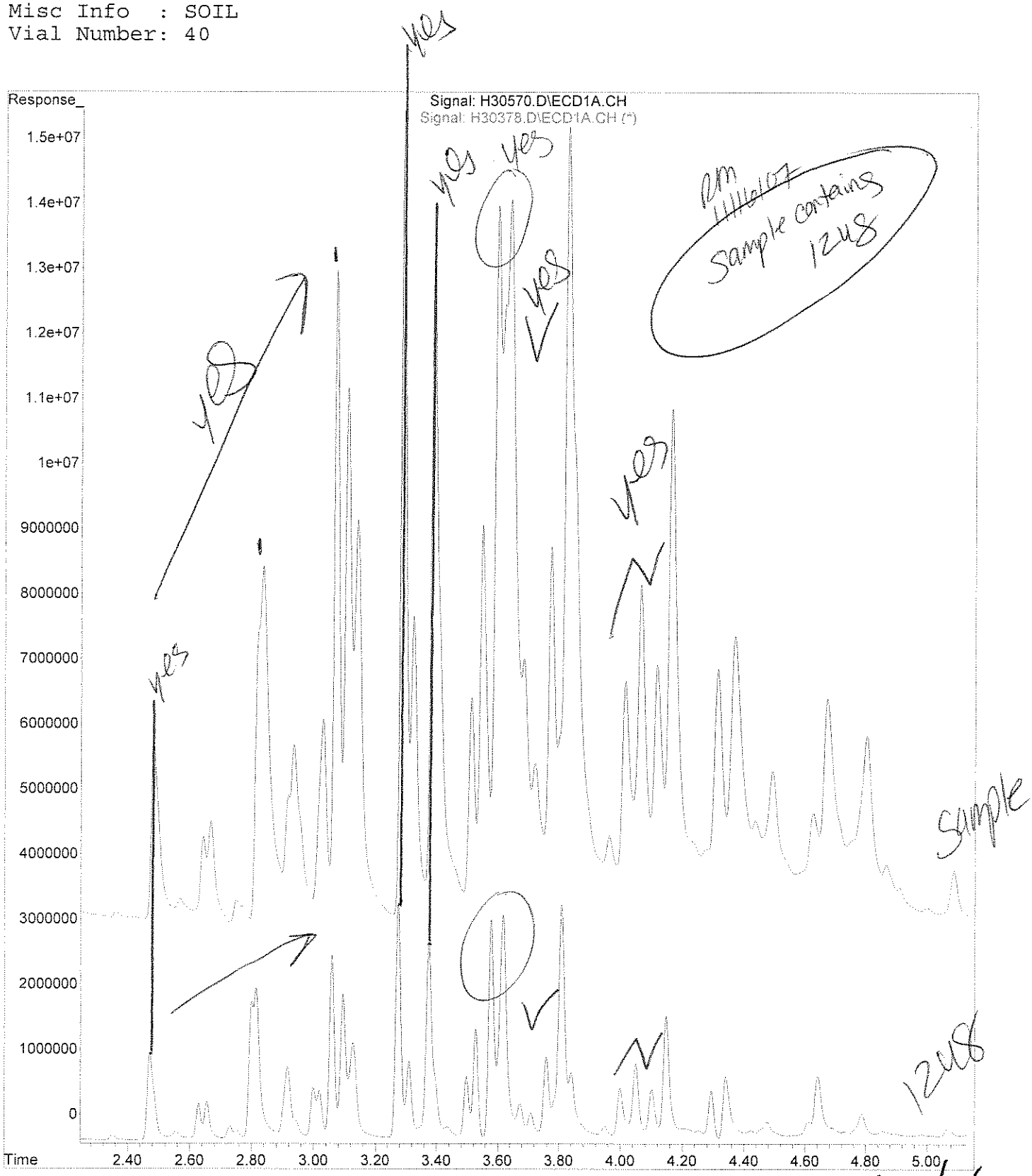
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 14 15:29:42 2007
Quant Method : C:\MSDCHEM\1\METHODS\48SP11097H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 14 10:48:43 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\MSDChem\1\DATA\111407-H\H30570.D
Operator :
Acquired : 14 Nov 2007 3:18 pm using AcqMethod PEST.M
Instrument : Instrumen
Sample Name: 60112-17, A/C, DL, 1:2000
Misc Info : SOIL
Vial Number: 40



SUL 11/16/07

PCB
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PCBQC.doc

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60112

Non-spiked sample: B11087PSOX, A/C, RR

Spike: L11087PSOX, A/C, RR

Spike duplicate: LD11087PSOX, A/C, RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	193	96		198	99		2.7	
PCB 1260	200	200	60	130	30	0	189	95		193	97		2.0	
PCB 1016 #2	200	200	65	140	30	0	253	126		271	135		6.8	
PCB 1260 #2	200	200	60	130	30	0	223	112		231	115		3.3	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

CHAIN OF CUSTODIES

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 1, 10/1/02

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 6°C
3) Received in good condition (Y) or N
4) pH checked by: N/A
5) Labels checked by: 11/2/07

Project#: 210792 Proj. Name: Lincoln Labs
Company: Woodard &Curran
Contact: Amy Wallace awallace@woodardcurran.com
Address: 35 New England Business Center Suite 180
Andover, MA 01810
Phone: (978)557-8150 PO# Quote #
Sampler (Signature): Amy Wallace

Matrix Key: conc=concrete
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MIT-WW-001	10/26/07	1002	PCB 8082		X						conc	1	G		60112-1
MIT-WW-002	"	1010			X							1	G		2
MIT-WW-003	"	1021			X							1	G		3
MIT-WW-004	"	1032			X							1	G		4
MIT-WW-005	"	1042			X							1	G		5
MIT-WW-007	10/31/07	1300			X							1	G		6
MIT-WW-009	11/1/07	1459			X							1	G		7
MIT-WW-010	11/1/07	1435			X							1	G		8
MIT-WW-011	11/1/07	1425			X							1	G		9
MIT-WW-012	10/31/07	1313			X							1	G		10
MIT-WW-013	"	1324			X							1	G		11
MIT-WW-014	"	1342			X							1	G		12

Email RESULTS? (YES) NO
Email see above
Fax RESULTS? YES (NO)
Fax#

Turnaround Request
Standard [X] Due Date
Priority [ ] Due Date

Comments / Instructions:

TSCA Project: use EPA 3540 SOXHLET

Page 1 of 2

Received By:	Received By:	Received By:
Time: 1327	Time:	Time:
Date: 11-2-07	Date:	Date:
Relinquished By Sampler: Amy Wallace	Relinquished By:	Relinquished By:

Analytics\AEL Documents\AEL COC

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 1, 10/1/02

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 6°C
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: 11/2/07

Project#: 210792 Proj. Name: Lincoln Labs
Company: Woodard &Curran
Contact: Amy Wallace awallace@woodardcurran.com
Address: 35 New England Business Center Suite 180
Andover, MA 01810
Phone: (978)557-8150 PO# Quote #
Sampler (Signature): amy w

Matrix Key: conc=concrete
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
F=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MIT-WW-015	10/31/07	1331	PCB 8082		X						conc.	1	G		60112-13
MIT-WW-016		945			X							1	G		14
MIT-WW-017		926			X							1	G		15
MIT-WW-018		925			X							1	G		16
MIT-WW-019		930			X							1	G		17

Email RESULTS? YES NO
Email see above
Fax RESULTS? YES NO
Fax#

Turnaround Request
Standard ☒ Due Date
Priority ☐ Due Date

Comments / Instructions:

TSCA Project: use EPA 3540 SOXHLET

Page 2 of 2

Received By: Michael H. Gale Time: 1327 Date: 11-2-07
Received By: Time: Date:
Received By: Time: Date:
Relinquished By Sampler: amy w
Relinquished By:
Relinquished By:

Analytics\AEL Documents\AEL COC

analytics environmental laboratory LLC

ANALYTICS SAMPLE RECEIPT CHECKLIST

AEL LAB#: 60112 COOLER NUMBER: —

CLIENT: Woodward NUMBER OF COOLERS: 1

PROJECT: Lincoln Labs DATE RECEIVED: 11·2·07

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 11·2·07 NF

1. Cooler received by(initials) Date Received: ~~11~~ 11·2·07 NF
2. Did cooler come with a shipping slip? Y (N)

If YES, enter carrier name and airbill number here: Hand delivered

3. Were custody seals on the outside of cooler? Y (NA)
How many & where: _____ Seal Date: _____ Seal Name: _____

4. Did the custody seals arrive unbroken and intact upon arrival? Y (NA)

5. COC#: _____

6. Were Custody papers filled out properly (ink,signed, etc)? (Y) N

7. Were custody papers sealed in a plastic bag? (Y) N

8. Did you sign the COC in the appropriate place? (Y) N

9. Was the project identifiable from the COC papers? (Y) N

10. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 6°C

B. Log-In: Date samples were logged in: 11·2·07 By: NF

11. Type of packing in cooler (bubble wrap, popcorn) (Y) N

12. Were all bottles sealed in separate plastic bags? Y (N)

13. Did all bottles arrive unbroken and were labels in good condition? (Y) N

14. Were all bottle labels complete(ID,Date,time,etc.) (Y) N

15. Did all bottle labels agree with custody papers? (Y) N

16. Were the correct containers used for the tests indicated: (Y) N

17. Were samples received at the correct pH? Y (NA)

18. Was sufficient amount of sample sent for the tests indicated? (Y) N

19. Were bubbles absent in VOA samples? Y N

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): Date: NF 11·2·07

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

December 11, 2007

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

RE: Analytical Results Case Narrative
Lincoln Labs
Analytics # 60249

Dear Ms. Wallace:

Enclosed please find the analytical results for samples submitted for the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level II package has been assembled in the following:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- PCB Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- PCB Form 10 Confirmation Results
- PCB Form 3 MS/MSD (LCS) Recoveries
- Chain of Custody (COC) Forms

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

PCBs by EPA Method 8082:
No results were reported below the quantitation limit

The continuing calibration standards (File#'s L10314 and L10315) had high recovery for PCB 1260 on column#1. Column#2 was in control for all analytes. Only the MS/MSD for 60249-8 was reported from this analytical window.

The continuing calibration standards (File#'s L10170 and L10171) had high recovery for PCB 1260 on column#1. Column#2 was in control for all analytes. Results were reported without qualification.

The MS/MSD analyzed on samples 60249-8 (MIT-NW-008) and 60249-21 (MIT-NW-051) did not meet accetance criteria for PCB 1016 and PCB 1260 due to high concentrations of PCB 1254 detected in the parent samples. The laboratory control samples (L11197PSOX/LD11197PSOX/L11207PSOX/LD11207PSOX) were in control for PCB 1016 and PCB 1260. Results were reported without qualification.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 60249

Revision: Rev. 0

Re: Lincoln Labs **210792**

Enclosed are the results of the analyses on your sample(s). Samples were received on 16 November 2007 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
60249-1	11/15/07	MIT-NW-001	EPA 8082 (PCBs only)	
60249-2	11/15/07	MIT-NW-002	EPA 8082 (PCBs only)	
60249-3	11/15/07	MIT-NW-003	EPA 8082 (PCBs only)	
60249-4	11/15/07	MIT-NW-004	EPA 8082 (PCBs only)	
60249-5	11/15/07	MIT-NW-005	EPA 8082 (PCBs only)	
60249-6	11/15/07	MIT-NW-006	EPA 8082 (PCBs only)	
60249-7	11/15/07	MIT-NW-007	EPA 8082 (PCBs only)	
60249-8	11/15/07	MIT-NW-008	EPA 8082 (PCBs only)	
60249-9	11/15/07	MIT-NW-009	EPA 8082 (PCBs only)	
60249-10	11/15/07	MIT-NW-010	EPA 8082 (PCBs only)	
60249-11	11/15/07	MIT-NW-011	EPA 8082 (PCBs only)	
60249-12	11/15/07	MIT-NW-012	EPA 8082 (PCBs only)	
60249-13	11/15/07	MIT-NW-013	EPA 8082 (PCBs only)	
60249-14	11/15/07	MIT-NW-014	EPA 8082 (PCBs only)	
60249-15	11/15/07	MIT-NW-015	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Pennsylvania, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 12/11/2007

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analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
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Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 60249

Revision: Rev. 0

Re: Lincoln Labs **210792**

Enclosed are the results of the analyses on your sample(s). Samples were received on 16 November 2007 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
60249-16	11/15/07	MIT-NW-016	EPA 8082 (PCBs only)	
60249-17	11/15/07	MIT-NW-017	EPA 8082 (PCBs only)	
60249-18	11/15/07	MIT-NW-018	EPA 8082 (PCBs only)	
60249-19	11/15/07	MIT-NW-019	EPA 8082 (PCBs only)	
60249-20	11/15/07	MIT-NW-020	EPA 8082 (PCBs only)	
60249-21	11/15/07	MIT-NW-051	EPA 8082 (PCBs only)	
60249-22	11/15/07	MIT-SW-017	EPA 8082 (PCBs only)	
60249-23	11/15/07	MIT-SW-018	EPA 8082 (PCBs only)	
60249-24	11/15/07	MIT-WW-020	EPA 8082 (PCBs only)	
60249-25	11/12/07	MIT-WW-008	EPA 8082 (PCBs only)	
60249-26	11/15/07	MIT-NW-090	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Pennsylvania, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 12/11/2007

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analytics environmental laboratory LLC

Surrogate Compound Limits

Matrix:	Aqueous	Solid	
Units:	% Recovery	% Recovery	Method
Volatile Organic Compounds - Drinking Water			
1,4-Difluorobenzene	70-130		EPA 524.2
Bromofluorobenzene	70-130		
1,2-Dichlorobenzene-d4	70-130		
Volatile Organic Compounds			
1,2-Dichloroethane-d4	70-130	70-130	EPA 8260B
Toluene-d8	70-130	70-130	
Bromofluorobenzene	70-130	70-130	
Semi-Volatile Organic Compounds			
2-Fluorophenol	20-110	35-105	EPA 624/8270C
d5-Phenol	15-110	40-100	
d5-nitrobenzene	40-110	35-100	
2-Fluorobiphenyl	50-110	45-105	
2,4,6-Tribromophenol	40-110	40-125	
d14-p-terphenyl	50-130	30-125	
PAH's by SIM			
d5-nitrobenzene	21-110	35-110	EPA 8270C
2-Fluorobiphenyl	36-121	45-105	
d14-p-terphenyl	33-141	30-125	
Pesticides and PCBs			
2,4,5,6-Tetrachloro-m-xylene (TCX)	46-122	40-130	EPA 608/8082
Decachlorobiphenyl (DCB)	26-86	40-130	
Herbicides			
Dichloroacetic acid (DCAA0	30-150	30-150	
Gasoline Range Organics/TPH Gasoline			
Trifluorotoluene TFT (FID)	60-140	60-140	MEDEP 4217/EPA 8015
Bromofluorobenzene (BFB) (FID)	60-140	60-140	
Trifluorotoluene TFT (PID)	60-140	60-140	
Bromofluorobenzene (BFB) (PID)	60-140	60-140	
Diesel Range Organics/TPH Diesel			
m-terphenyl	60-140	60-140	MEDEP 4125/EPA 8015

PCB
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

December 11, 2007

SAMPLE DATA

Lab Sample ID: B11197PSOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/19/07
Analysis Date: 11/21/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	101	%
Decachlorobiphenyl	107	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

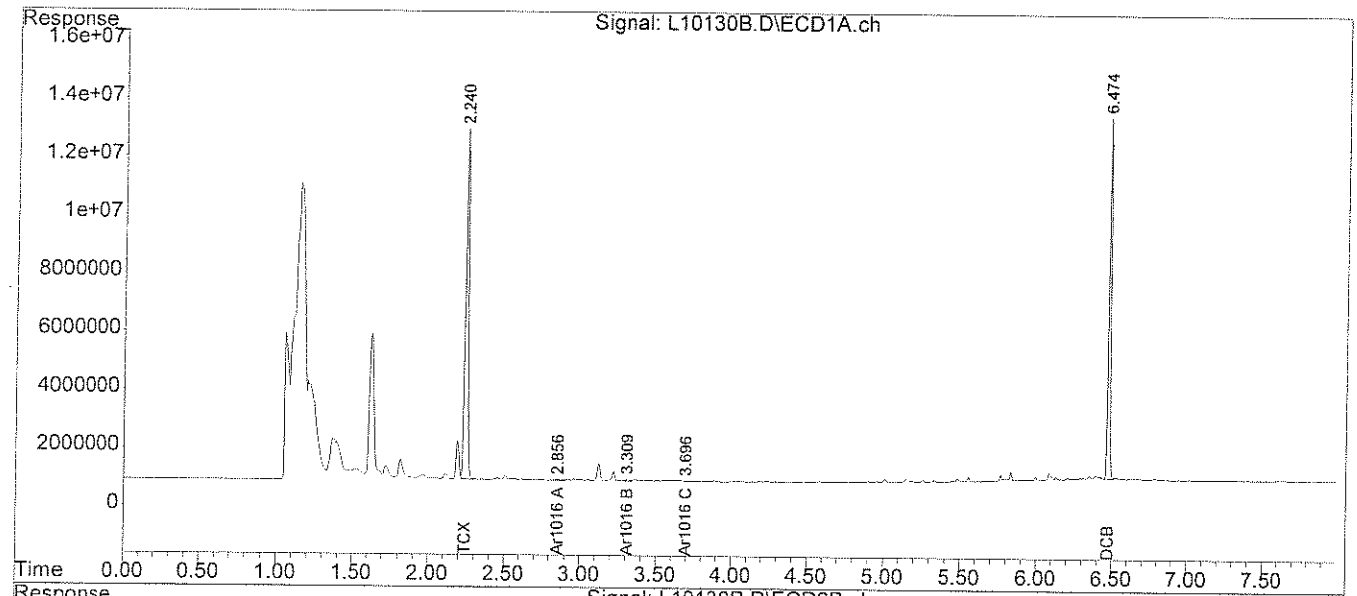
Authorized signature M Lindell

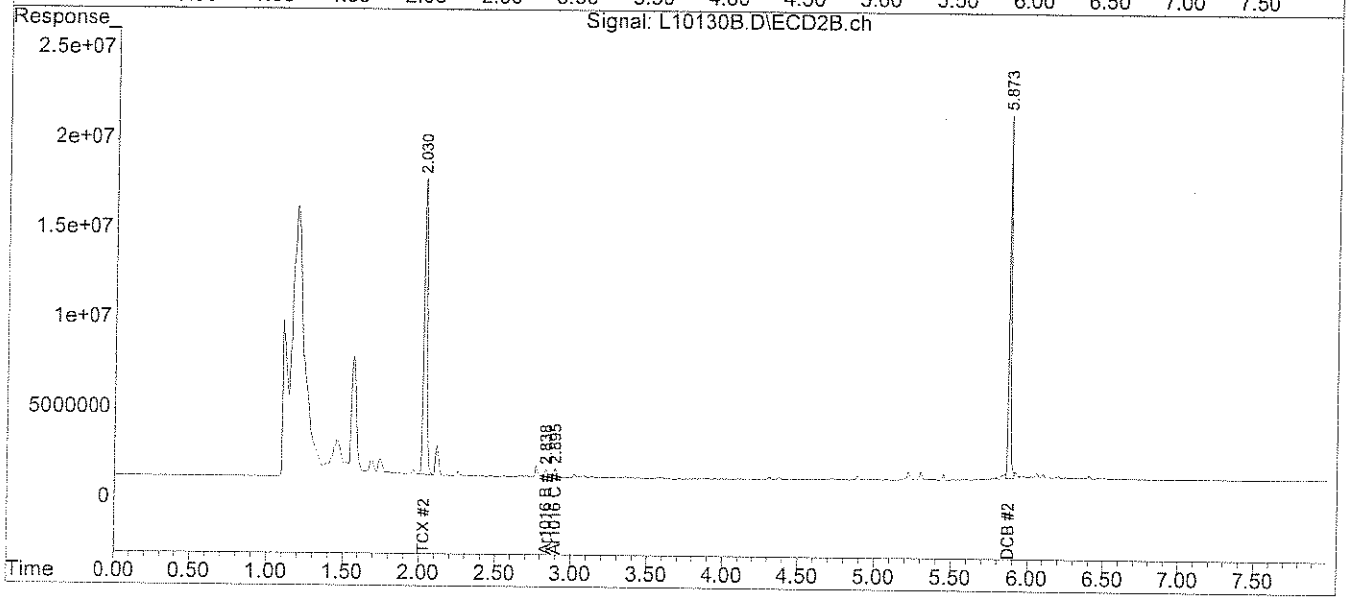
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112107-L\
Data File : L10130B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 07 8:37 am
perator :
Sample : B11197PSOX,, A/C
Misc : SOIL
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 21 13:04:38 2007
Quant Method : C:\msdchem\1\METHODS\PB11197.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Nov 20 10:49:26 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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December 10, 2007

SAMPLE DATA

Lab Sample ID:	B11167PW
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	
Lab Receipt Date:	
Extraction Date:	11/16/07
Analysis Date:	11/21/07

CLIENT SAMPLE ID

Project Name:	Lincoln Labs
Project Number:	210792
Field Sample ID:	Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	62	%
Decachlorobiphenyl	40	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB Report

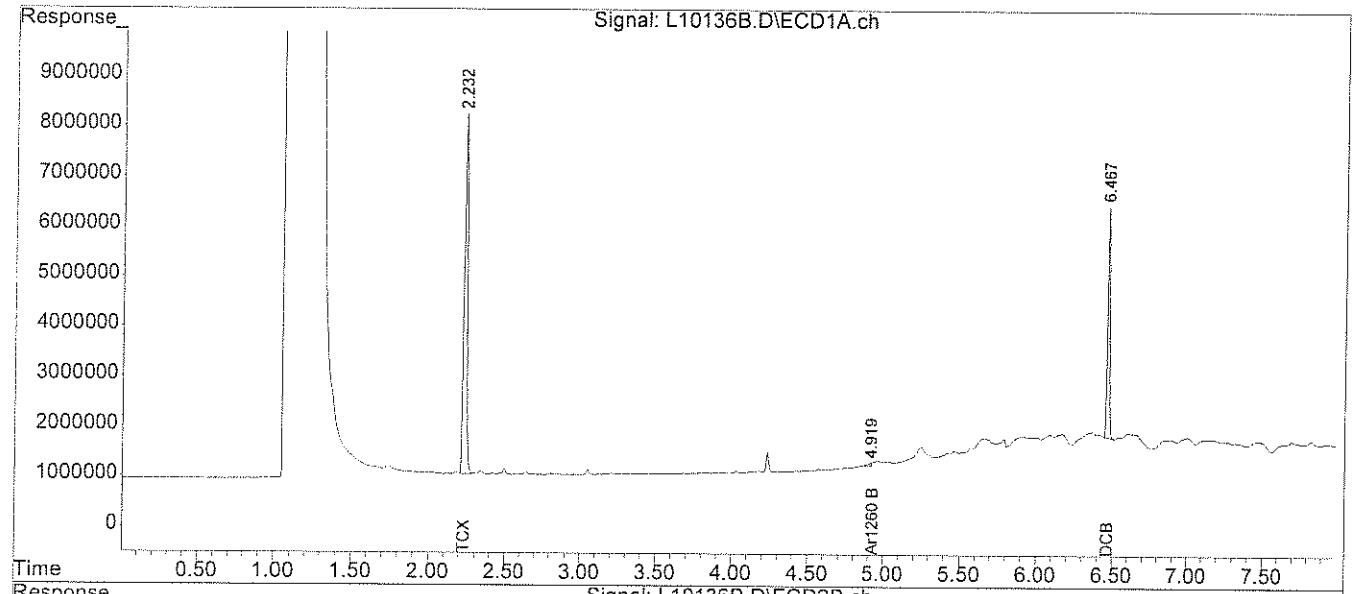
Authorized signature

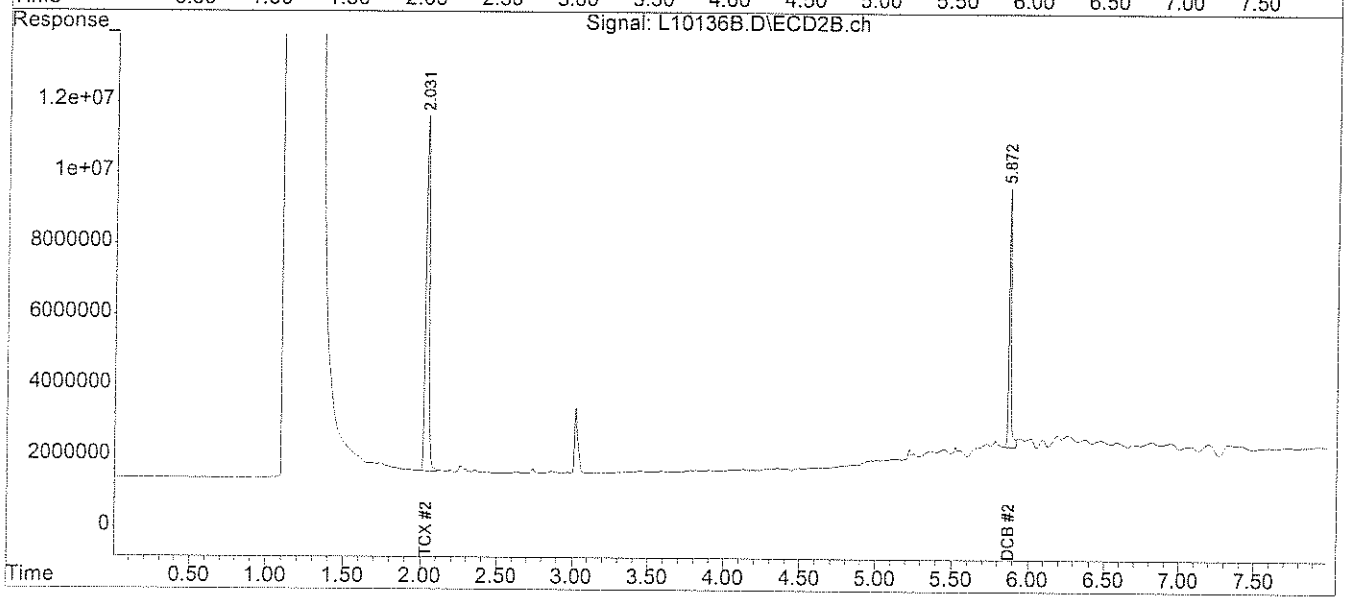
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112107-L\
Data File : L10136B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 07 9:39 am
Operator :
Sample : B11167PW,, RR2 A/C
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 21 13:04:51 2007
Quant Method : C:\msdchem\1\METHODS\PB11197.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Nov 20 10:49:26 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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SAMPLE DATA

Lab Sample ID:	B11197PAS A/C
Matrix:	Soil
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	
Lab Receipt Date:	
Extraction Date:	11/19/07
Analysis Date:	11/21/07

CLIENT SAMPLE ID

Project Name:	Lincoln Labs
Project Number:	210792
Field Sample ID:	Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	109	%
Decachlorobiphenyl	111	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

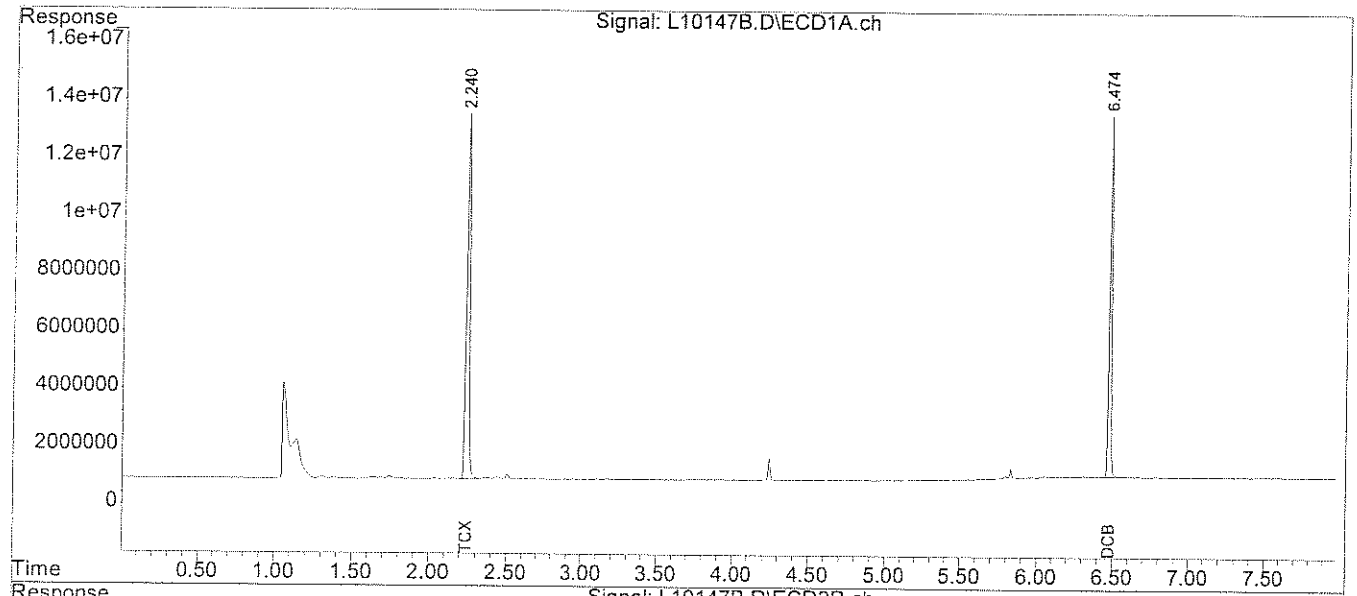
Authorized signature

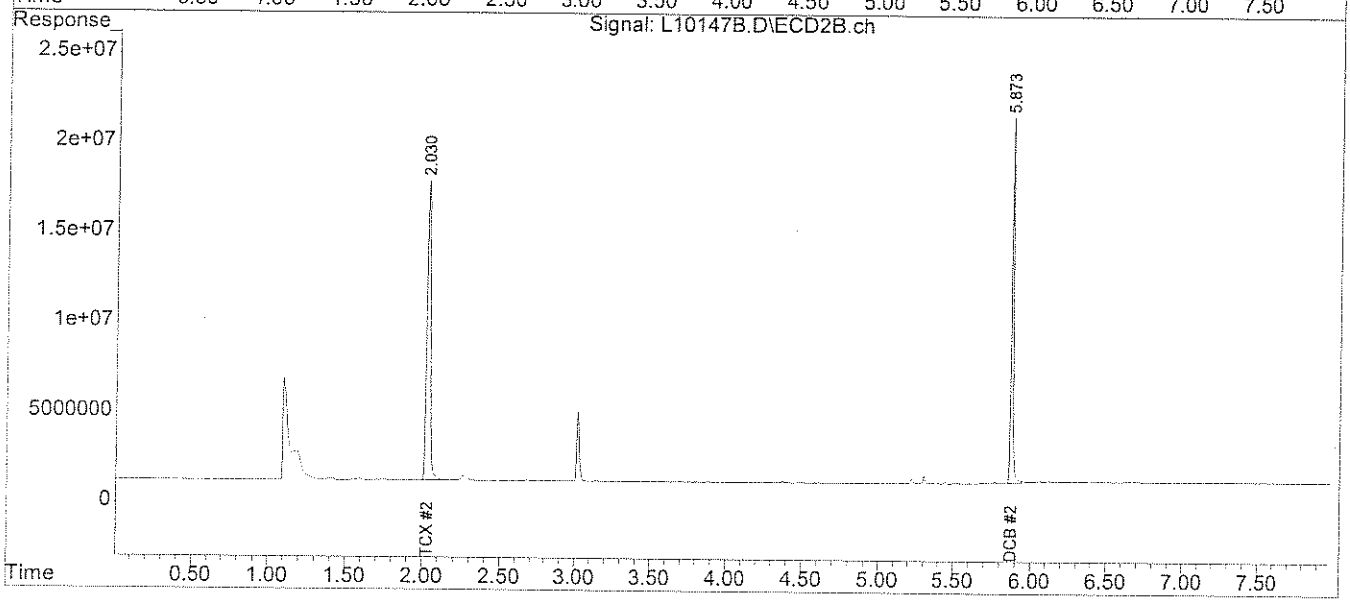
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112107-L\
Data File : L10147B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 07 12:10 pm
perator :
Sample : B11197PAS,,A/C
Misc : SOIL
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 26 08:18:07 2007
Quant Method : C:\msdchem\1\METHODS\PB11197.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Nov 20 10:49:26 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 30, 2007

SAMPLE DATA

Lab Sample ID: B11207SOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/20/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	97	%
Decachlorobiphenyl	101	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

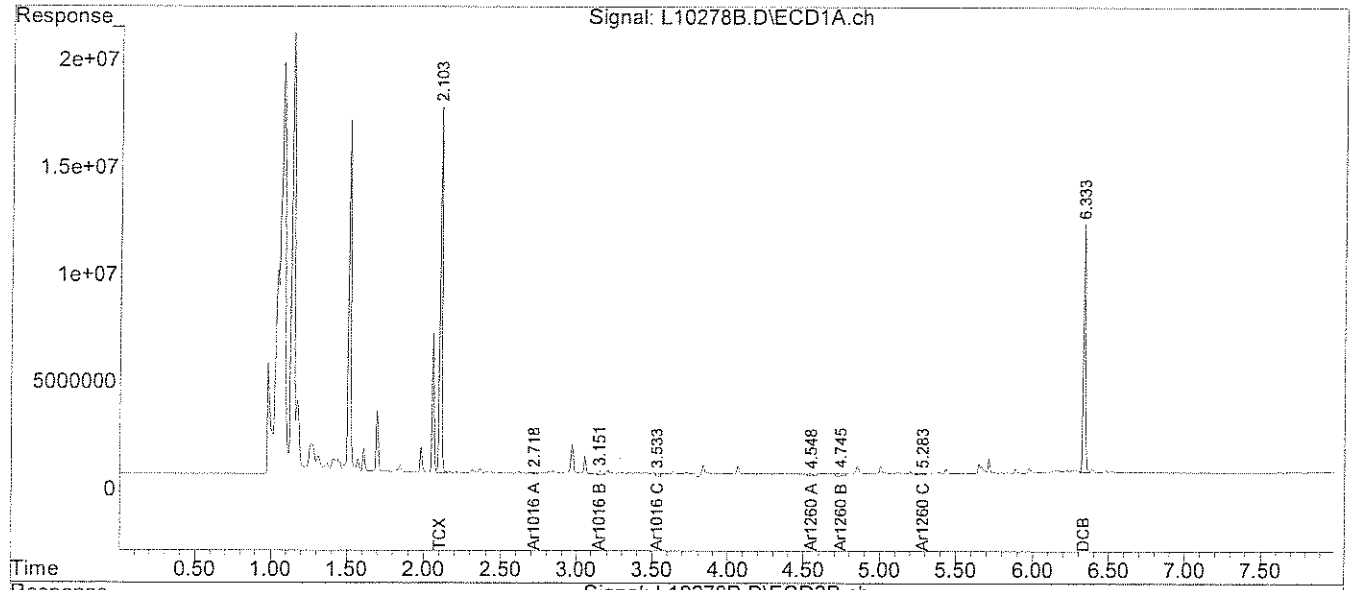
Authorized signature

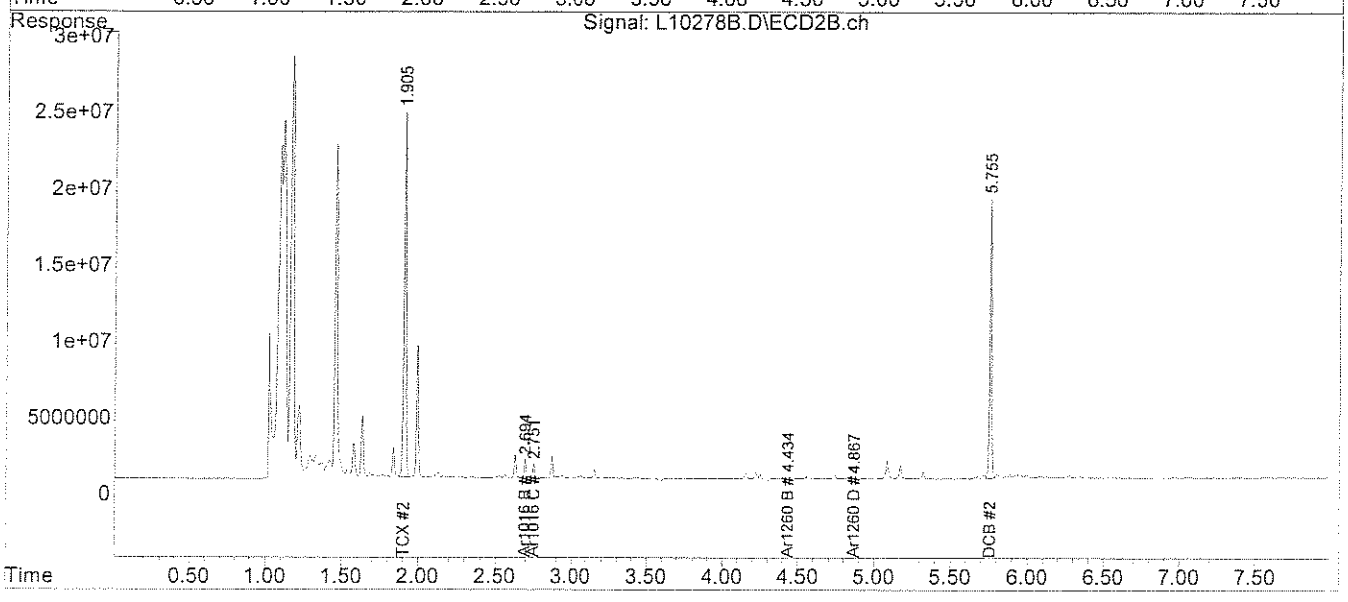
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10278B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 5:00 pm
Operator :
Sample : B112079SOX, A/C
Misc : SOIL
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 28 07:48:18 2007
Quant Method : C:\msdchem\1\METHODS\PB11277.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Nov 27 13:11:27 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 30, 2007

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: Lab QC

Lab Sample ID: B11207PSOX RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/20/07
Analysis Date: 11/27/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	94	%
Decachlorobiphenyl	108	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

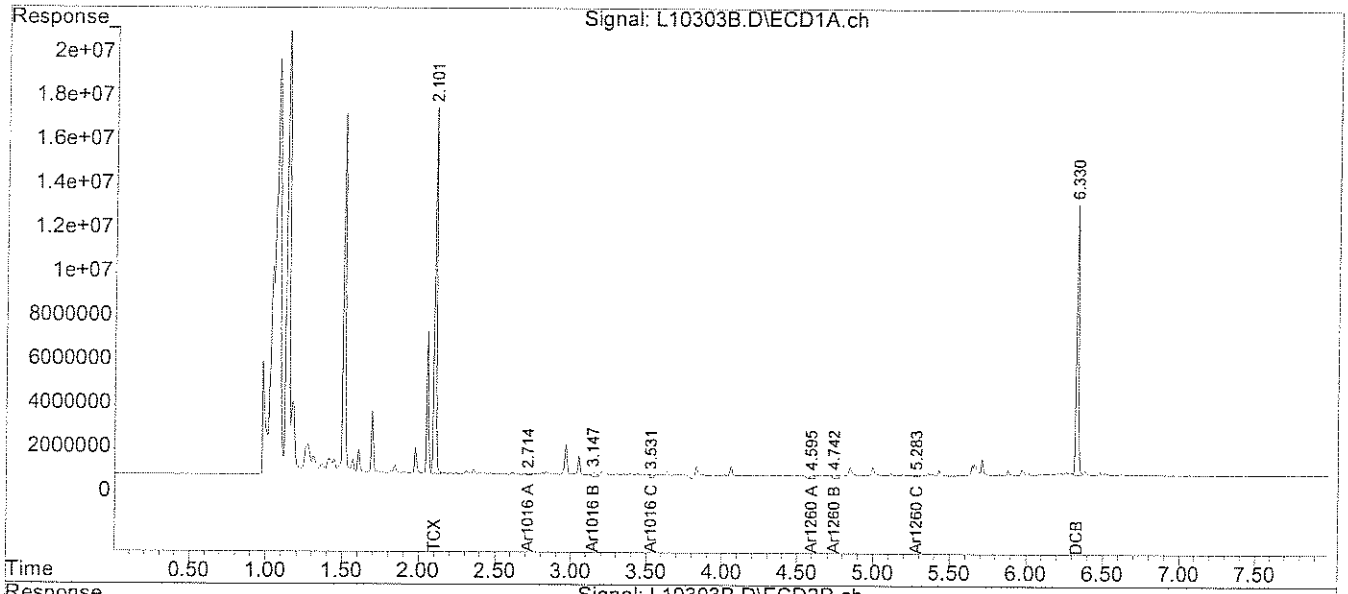
Authorized signature M Lenoble

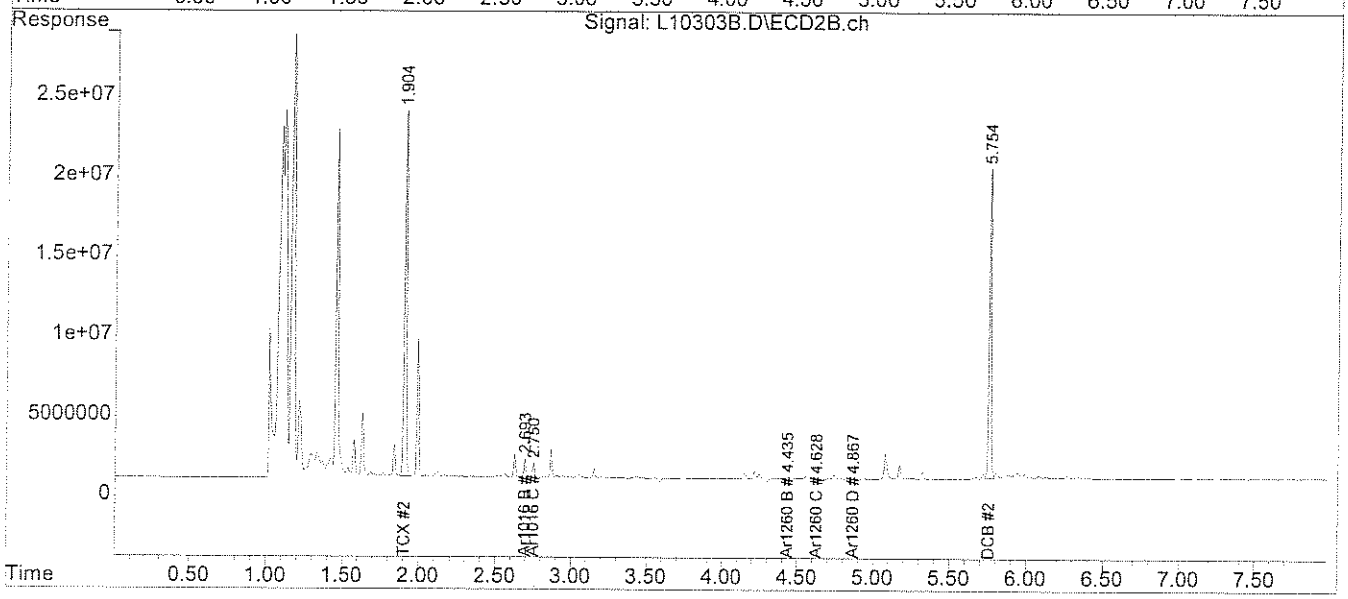
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10303B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 9:16 pm
Operator :
Sample : B11207PSOX, A/C, RR
Misc : SOIL
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 28 10:44:17 2007
Quant Method : C:\msdchem\1\METHODS\PB11277.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Nov 27 13:11:27 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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December 11, 2007

SAMPLE DATA

Lab Sample ID:	B11207PSOX A/C RR2
Matrix:	Soil
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	
Lab Receipt Date:	
Extraction Date:	11/20/07
Analysis Date:	11/28/07

CLIENT SAMPLE ID

Project Name:	Lincoln Labs
Project Number:	210792
Field Sample ID:	Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	98	%
Decachlorobiphenyl	97	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

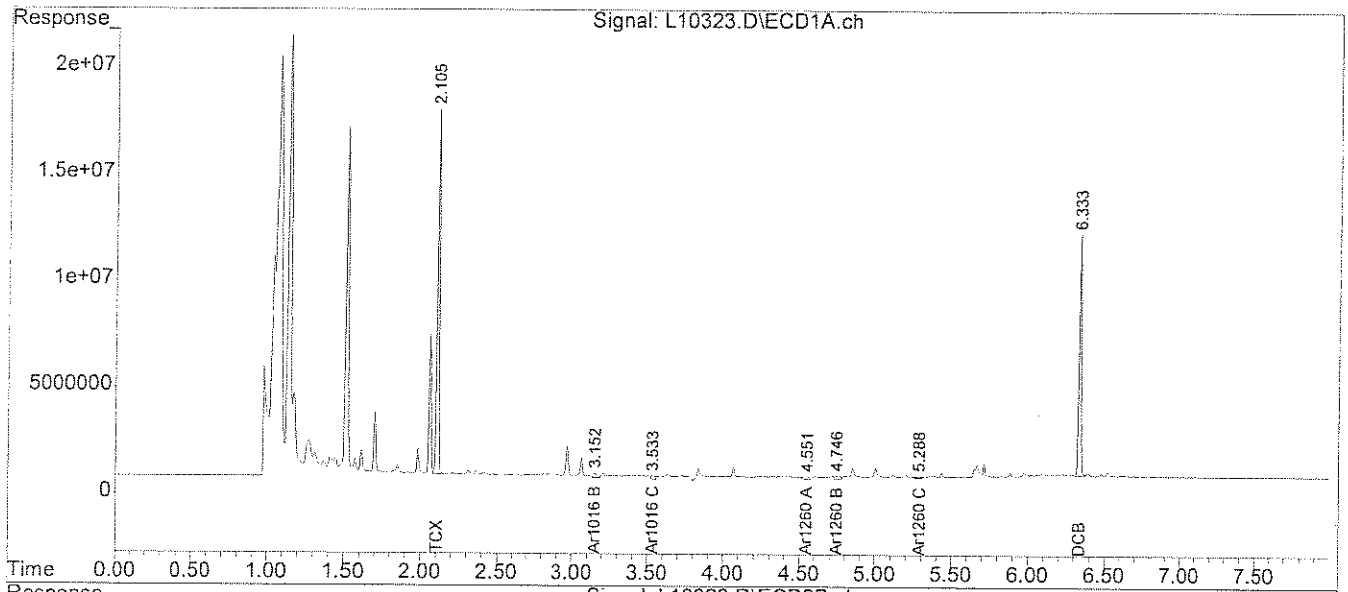
Authorized signature

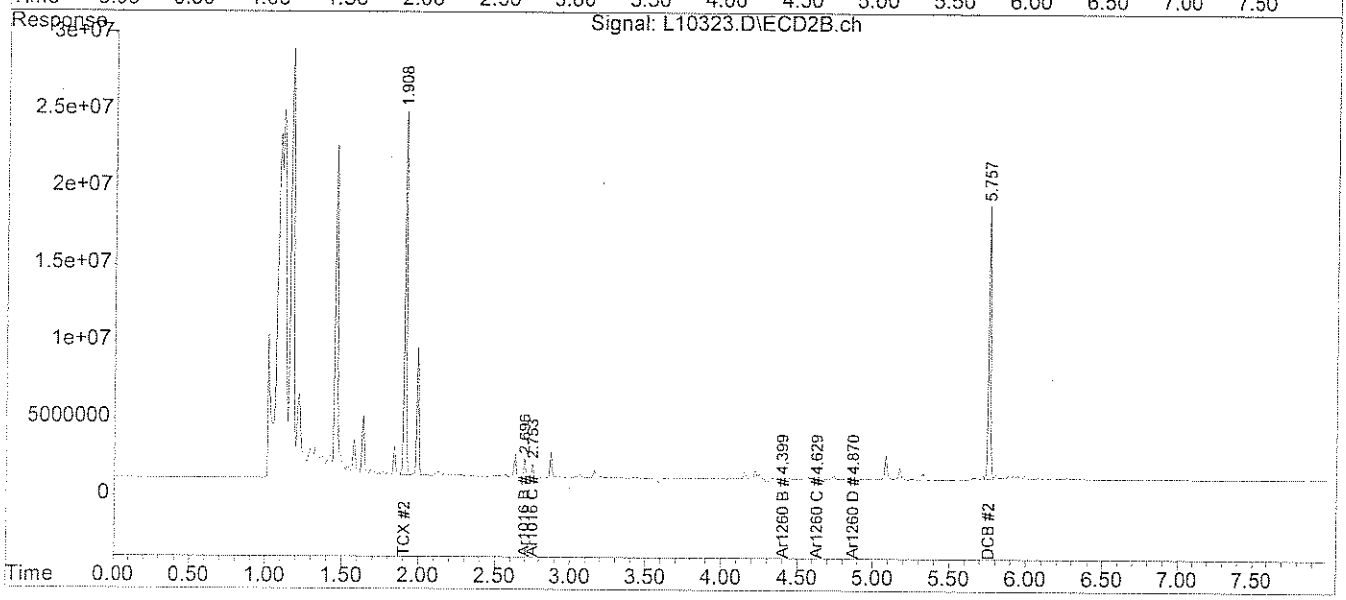
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Nov 07 10:33 am
Operator :
Sample : B11207PSOX, A/C, RR2 (Sig #1); B11207PSOC, A/C, RR2 (Sig #2)
Misc : SOIL
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 28 10:42:39 2007
Quant Method : C:\msdchem\1\METHODS\PB11277.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Nov 27 13:11:27 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





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November 30, 2007

CLIENT SAMPLE ID

Project Name: Lincoln Labs

Project Number: 210792

Field Sample ID: MIT-NW-001

SAMPLE DATA

Lab Sample ID: 60249-1 DL
Matrix: Solid
Percent Solid: 96
Dilution Factor: 96
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/27/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	3170	U
PCB-1221	3170	U
PCB-1232	3170	U
PCB-1242	3170	U
PCB-1248	3170	U
PCB-1254	3170	**30510**
PCB-1260	3170	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene * %
Decachlorobiphenyl * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-1, A/C, DL, 1:100

Data File: L10281.D

Dilution Factor: 96.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	30510	23530	25.8	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

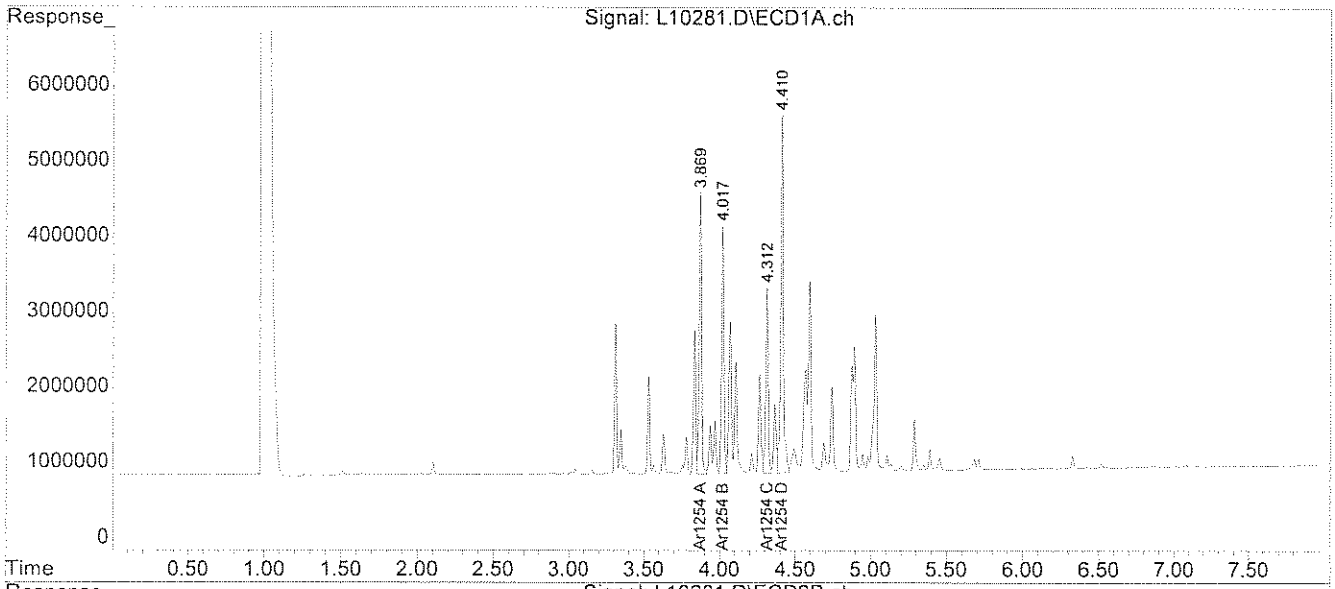
PCB FORM 10

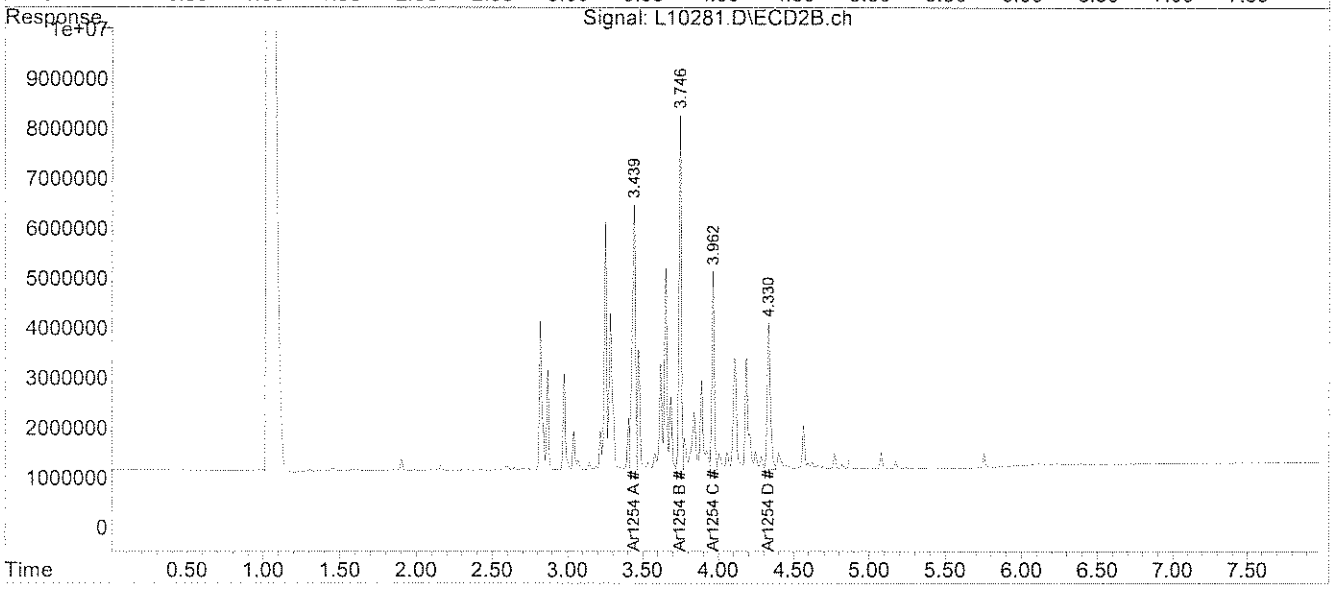
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10281.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 5:30 pm
Operator :
Sample : 60249-1, A/C, DL, 1:100
Misc : SOIL
ALS Vial : 19 Sample Multiplier: 1

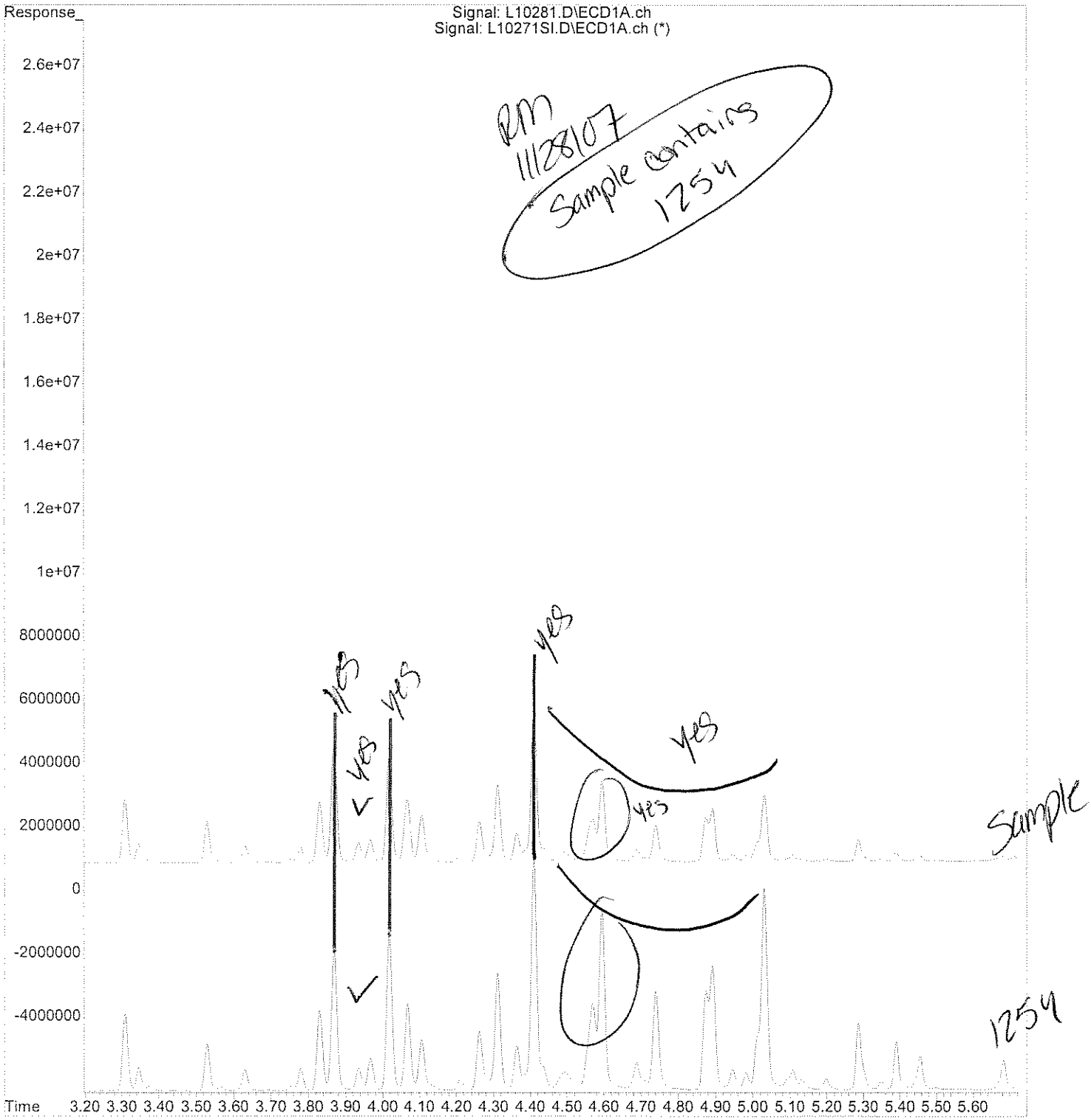
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:11 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10281.D
Operator :
Acquired : 27 Nov 07 5:30 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-1, A/C, DL, 1:100
Misc Info : SOIL
Vial Number: 19



SLK 12/3/07

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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-2 DL
Matrix: Solid
Percent Solid: 96
Dilution Factor: 96
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-002

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	3170	U
PCB-1221	3170	U
PCB-1232	3170	U
PCB-1242	3170	U
PCB-1248	3170	U
PCB-1254	3170	**25400**
PCB-1260	3170	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-2, A/C, DL, 1:100

Data File: L10282.D

Dilution Factor: 96.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	23423	25425	8.2	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

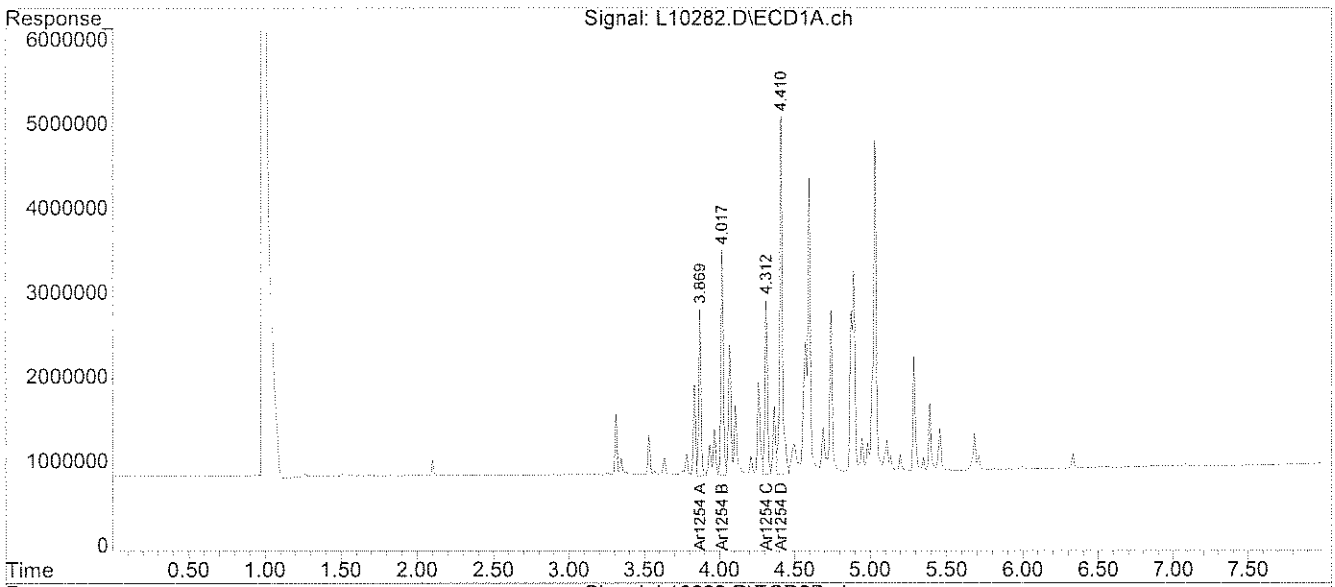
PCB FORM 10

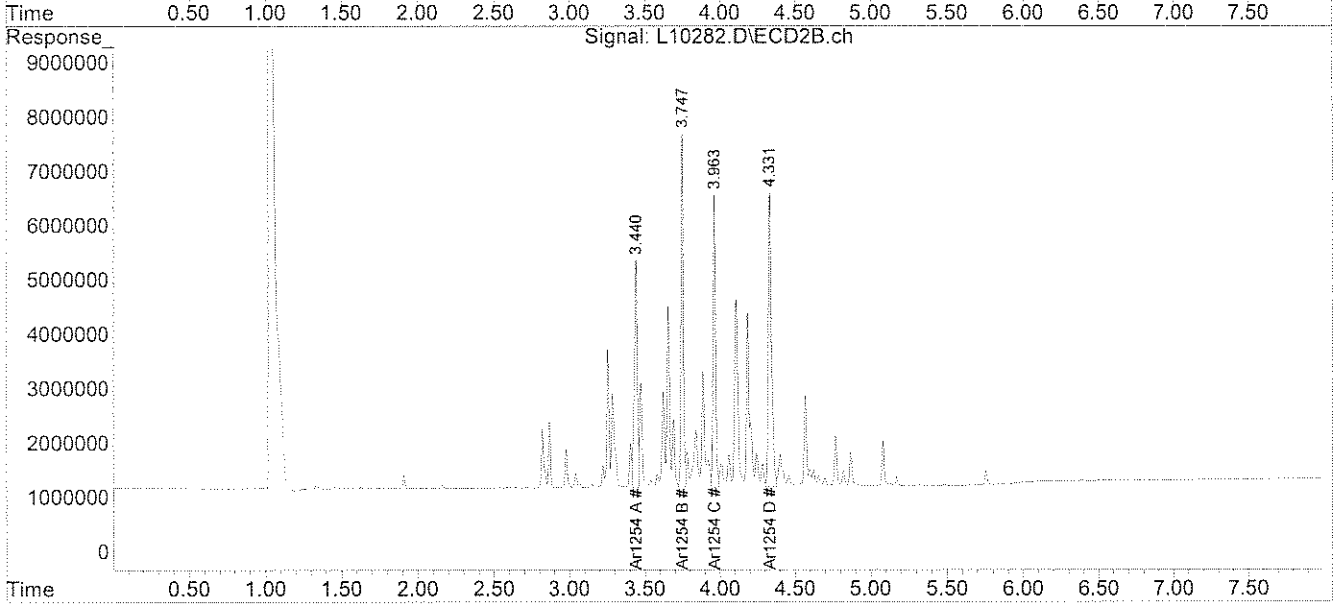
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 5:41 pm
Operator :
Sample : 60249-2, A/C, DL, 1:100
Misc : SOIL
ALS Vial : 20 Sample Multiplier: 1

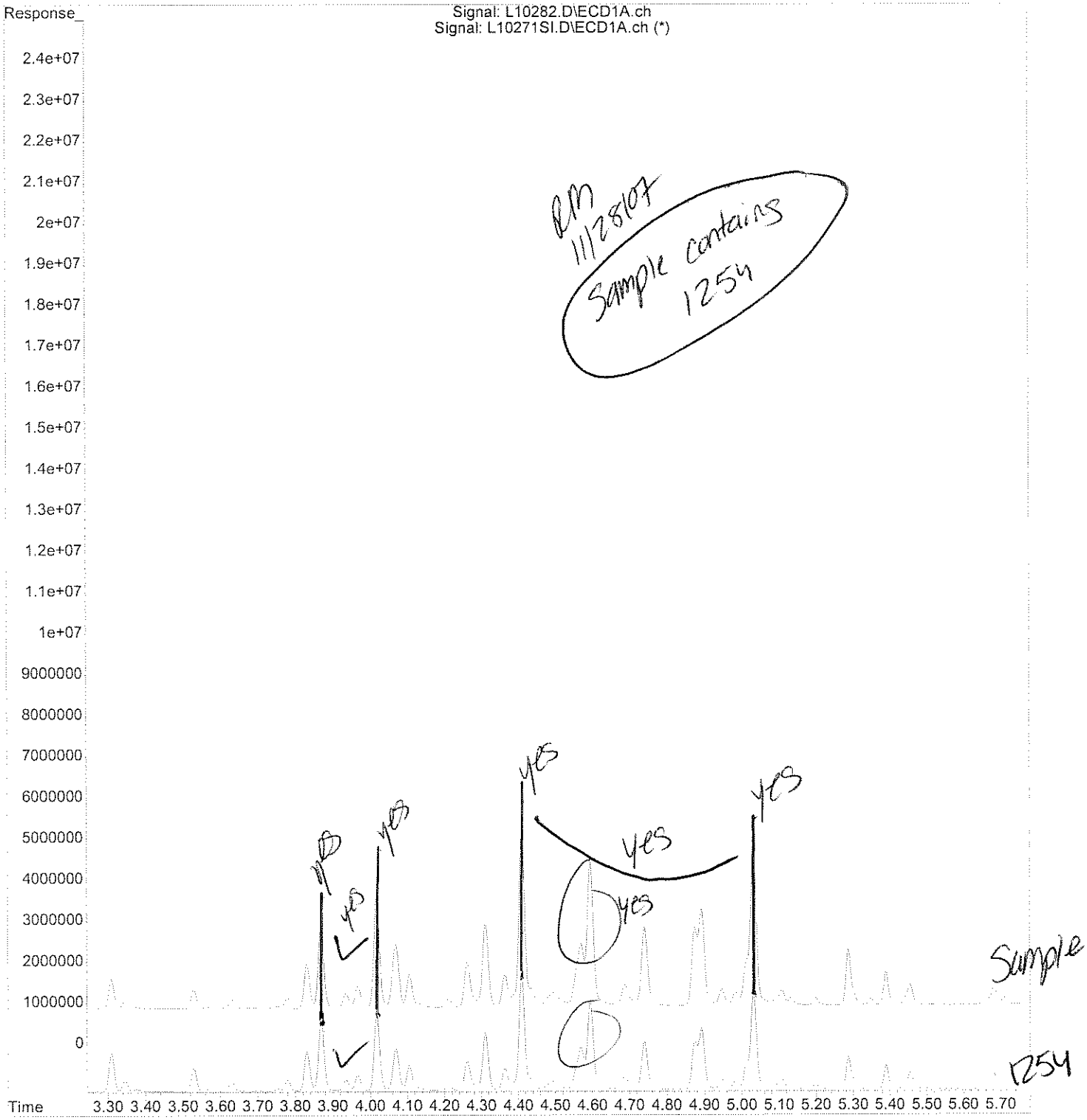
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:13 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10282.D
Operator :
Acquired : 27 Nov 07 5:41 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-2, A/C, DL, 1:100
Misc Info : SOIL
Vial Number: 20



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-3 DL
Matrix: Solid
Percent Solid: 94
Dilution Factor: 520
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-003

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	17200	U
PCB-1221	17200	U
PCB-1232	17200	U
PCB-1242	17200	U
PCB-1248	17200	U
PCB-1254	17200	**118000**
PCB-1260	17200	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-3, A/C, DL, 1:500

Data File: L10290.D

Dilution Factor: 520.1

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	117571	90578	25.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

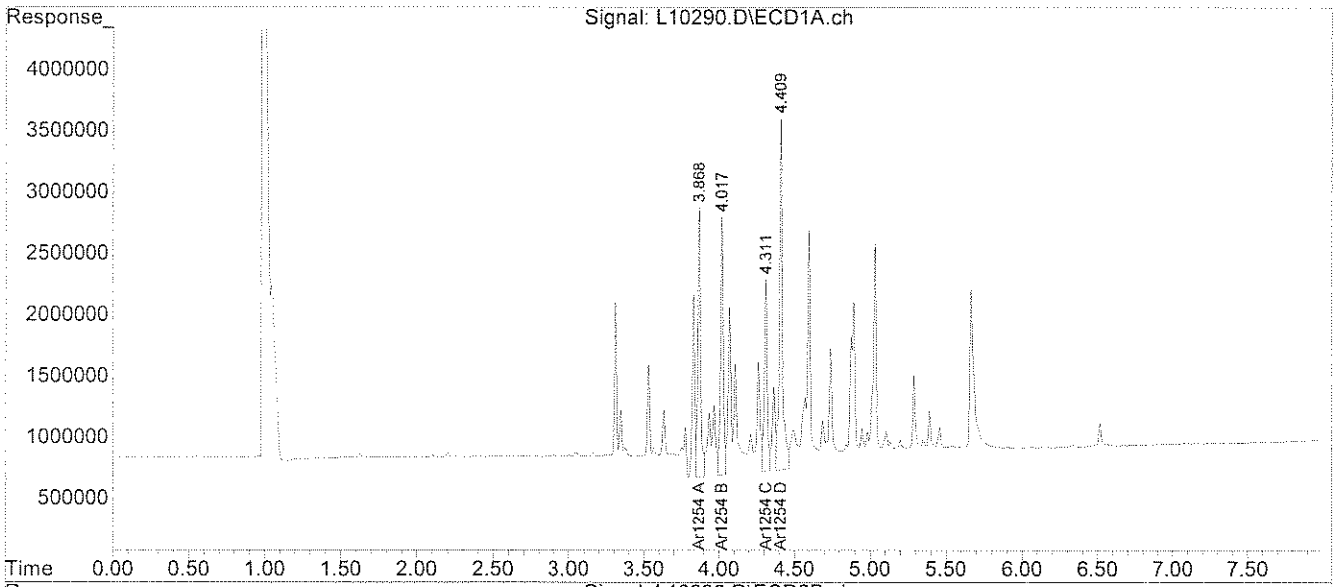
PCB FORM 10

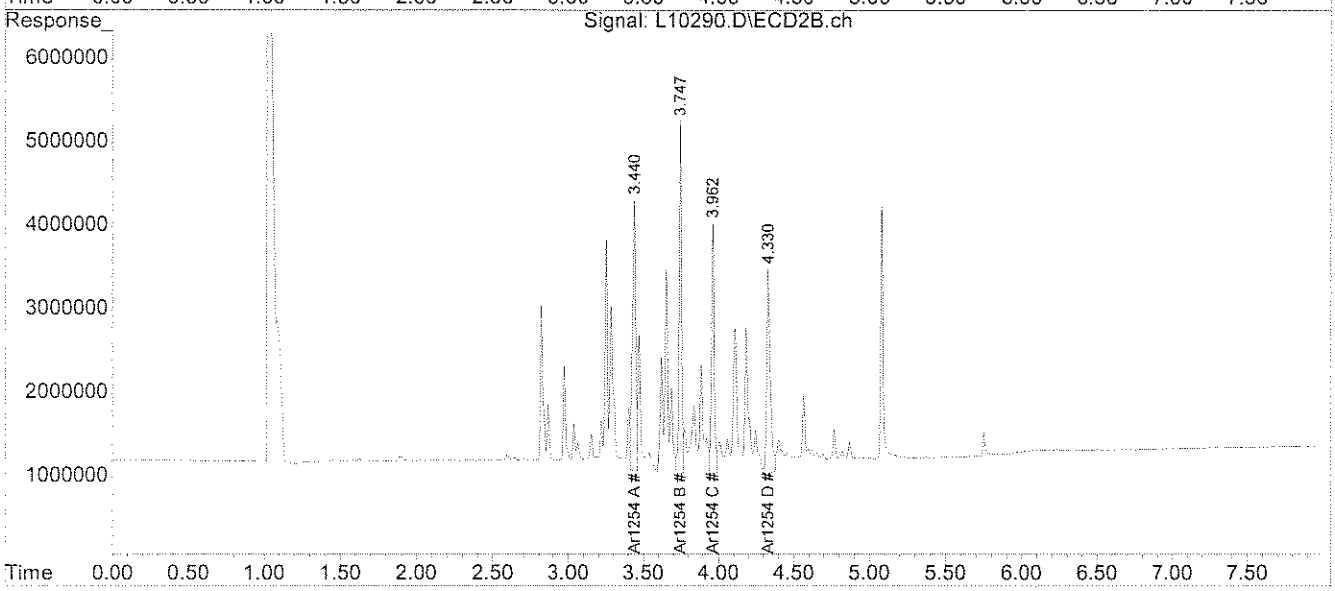
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10290.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 7:03 pm
Operator :
Sample : 60249-3, A/C, DL, 1:500
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

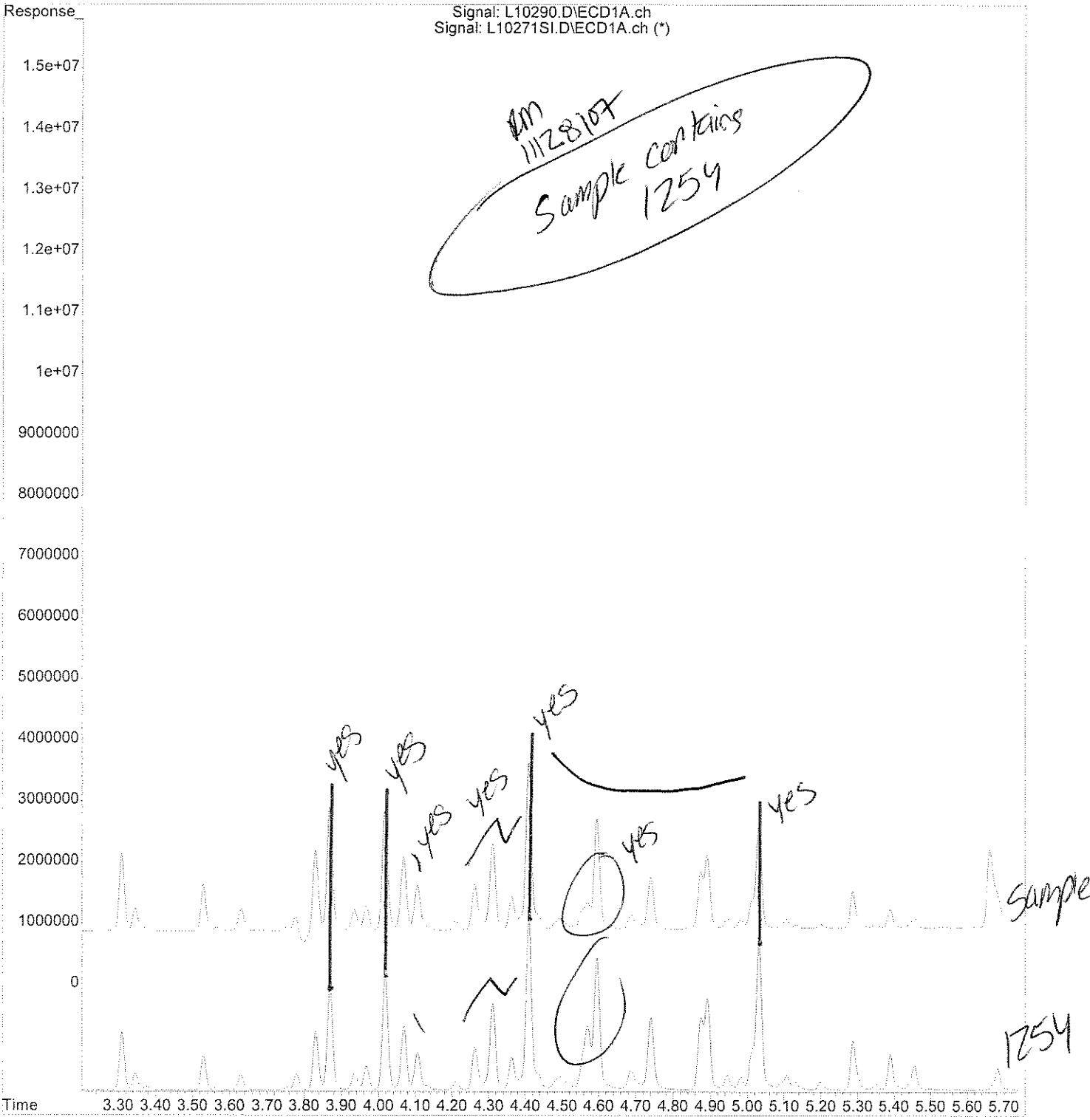
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:29 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10290.D
Operator :
Acquired : 27 Nov 07 7:03 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-3, A/C, DL, 1:500
Misc Info : SOIL
Vial Number: 28



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-4 DL
Matrix: Solid
Percent Solid: 95
Dilution Factor: 103
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-004

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	3400	U
PCB-1221	3400	U
PCB-1232	3400	U
PCB-1242	3400	U
PCB-1248	3400	U
PCB-1254	3400	**32200**
PCB-1260	3400	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-4, A/C, DL, 1:100

Data File: L10284.D

Dilution Factor: 103.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	32227	24345	27.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

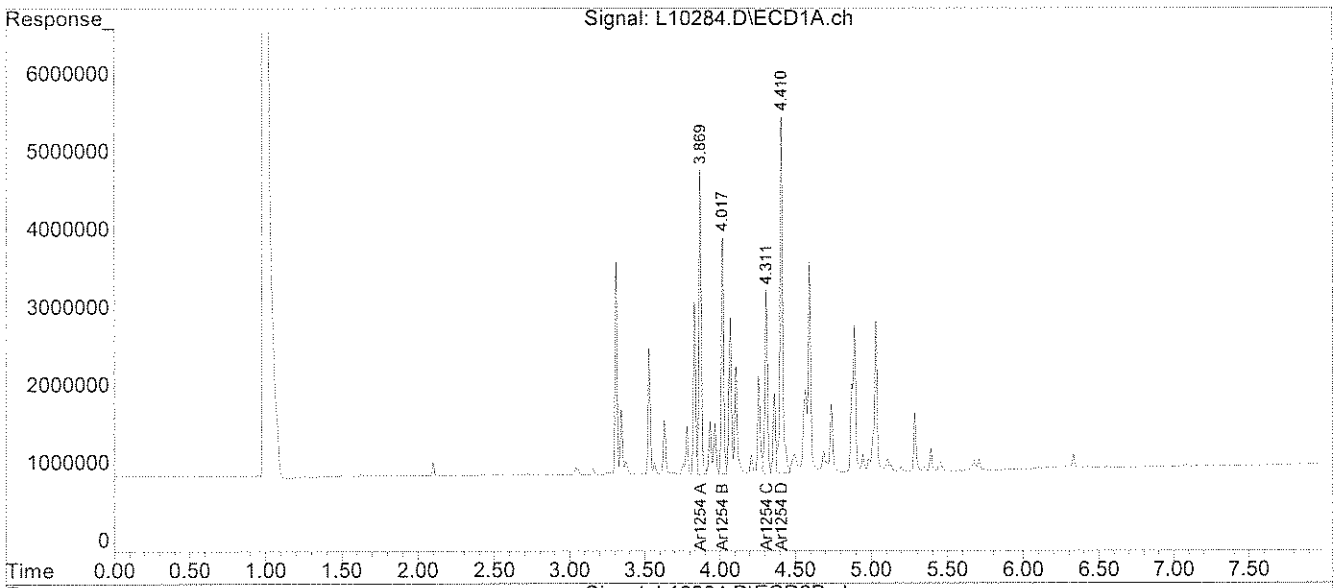
PCB FORM 10

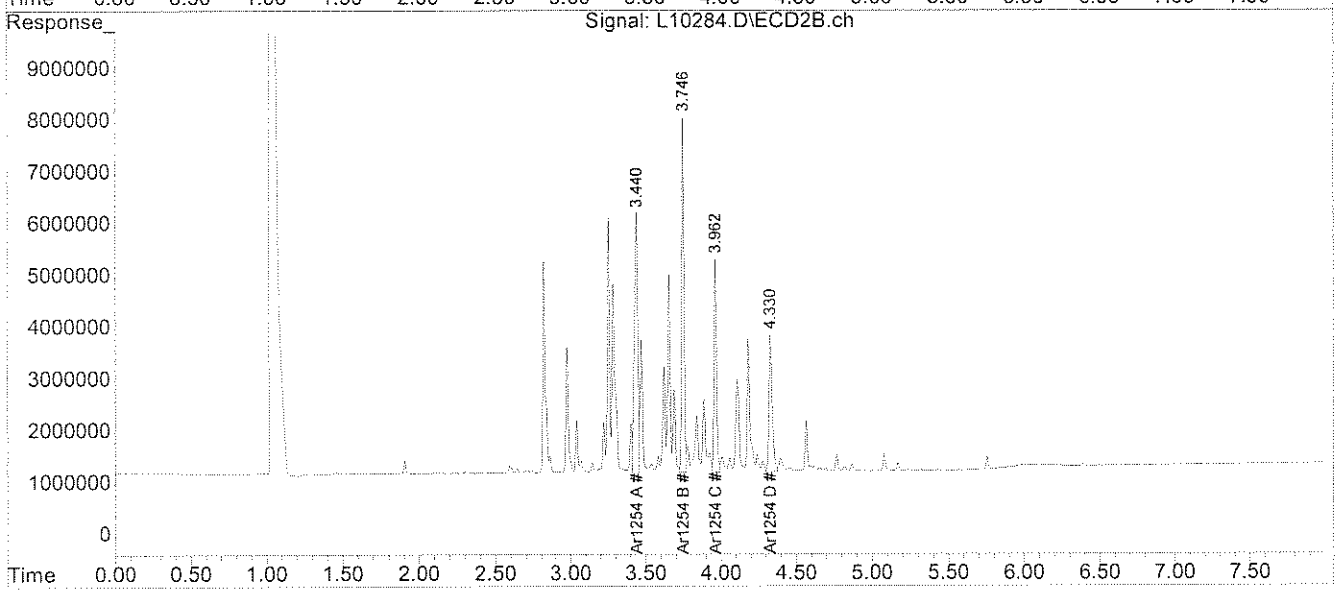
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 6:01 pm
Operator :
Sample : 60249-4, A/C, DL, 1:100
Misc : SOIL
ALS Vial : 22 Sample Multiplier: 1

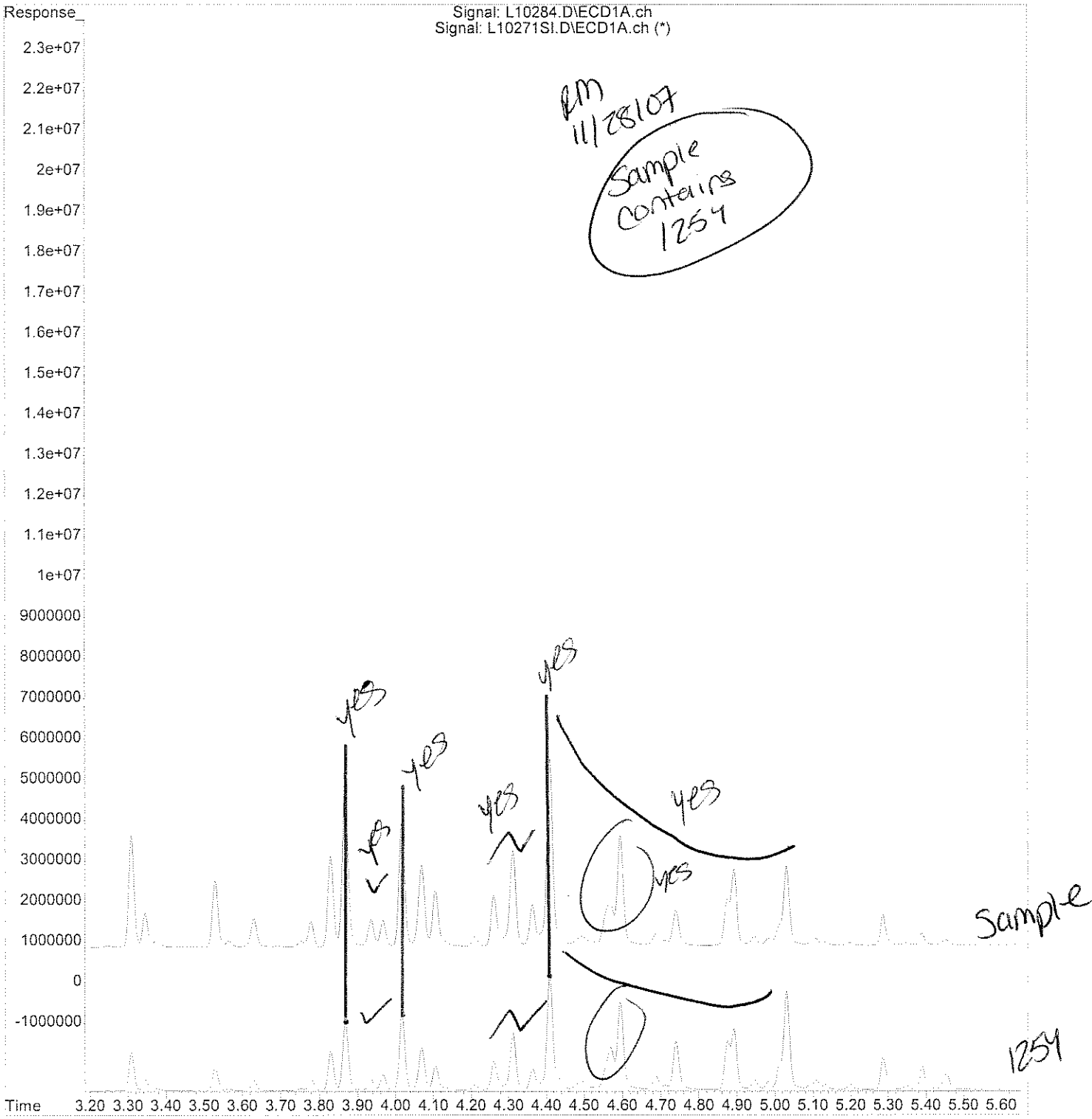
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:17 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10284.D
Operator :
Acquired : 27 Nov 07 6:01 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-4, A/C, DL, 1:100
Misc Info : SOIL
Vial Number: 22



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-5 DL
Matrix: Solid
Percent Solid: 96
Dilution Factor: 257
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-005

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	8480	U
PCB-1221	8480	U
PCB-1232	8480	U
PCB-1242	8480	U
PCB-1248	8480	U
PCB-1254	8480	**96000**
PCB-1260	8480	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-5, A/C, DL, 1:250

Data File: L10289.D

Dilution Factor: 257.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	95994	79709	18.5	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

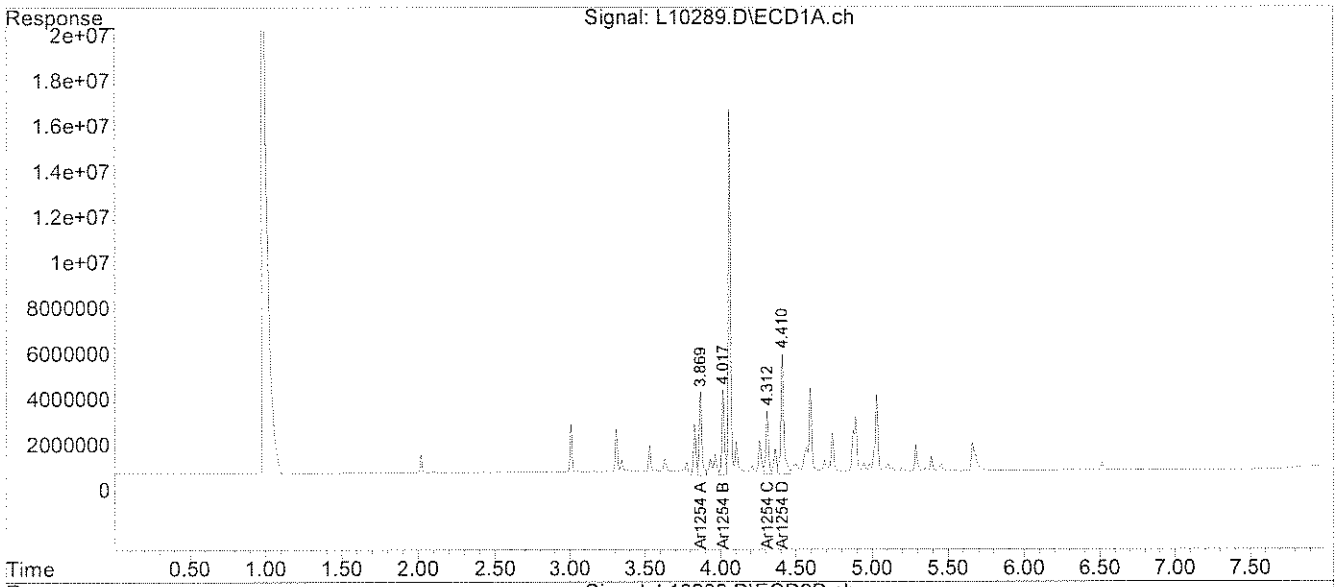
PCB FORM 10

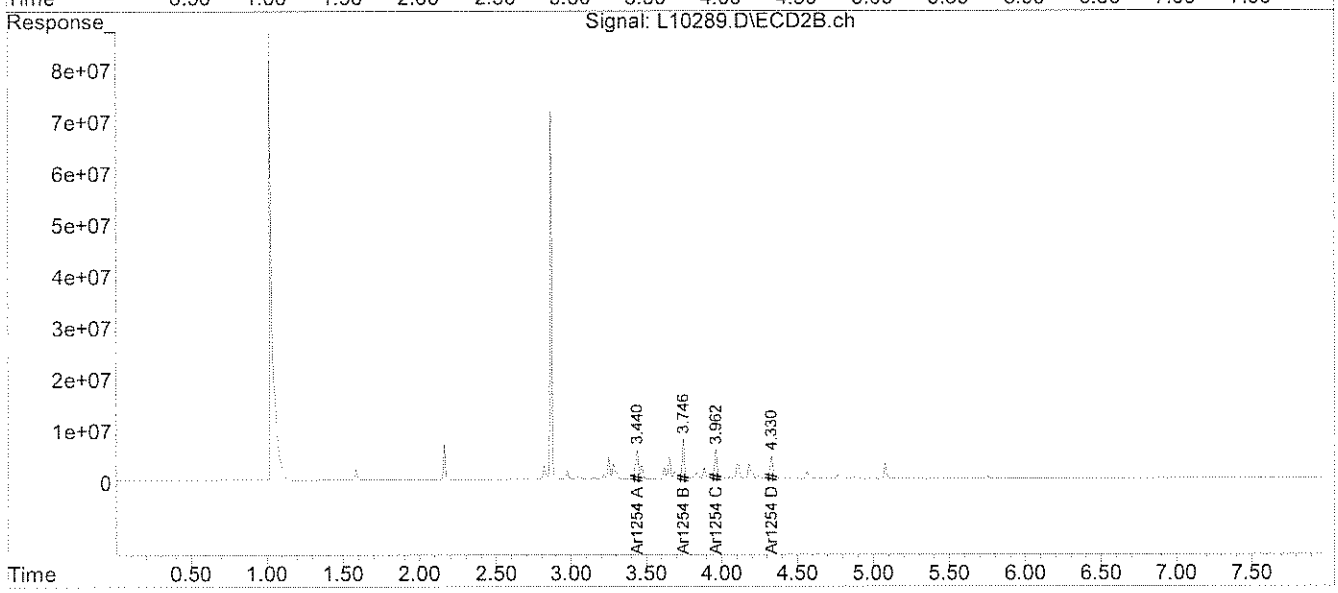
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10289.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 6:53 pm
Operator :
Sample : 60249-5, A/C, DL, 1:250
Misc : SOIL
ALS Vial : 27 Sample Multiplier: 1

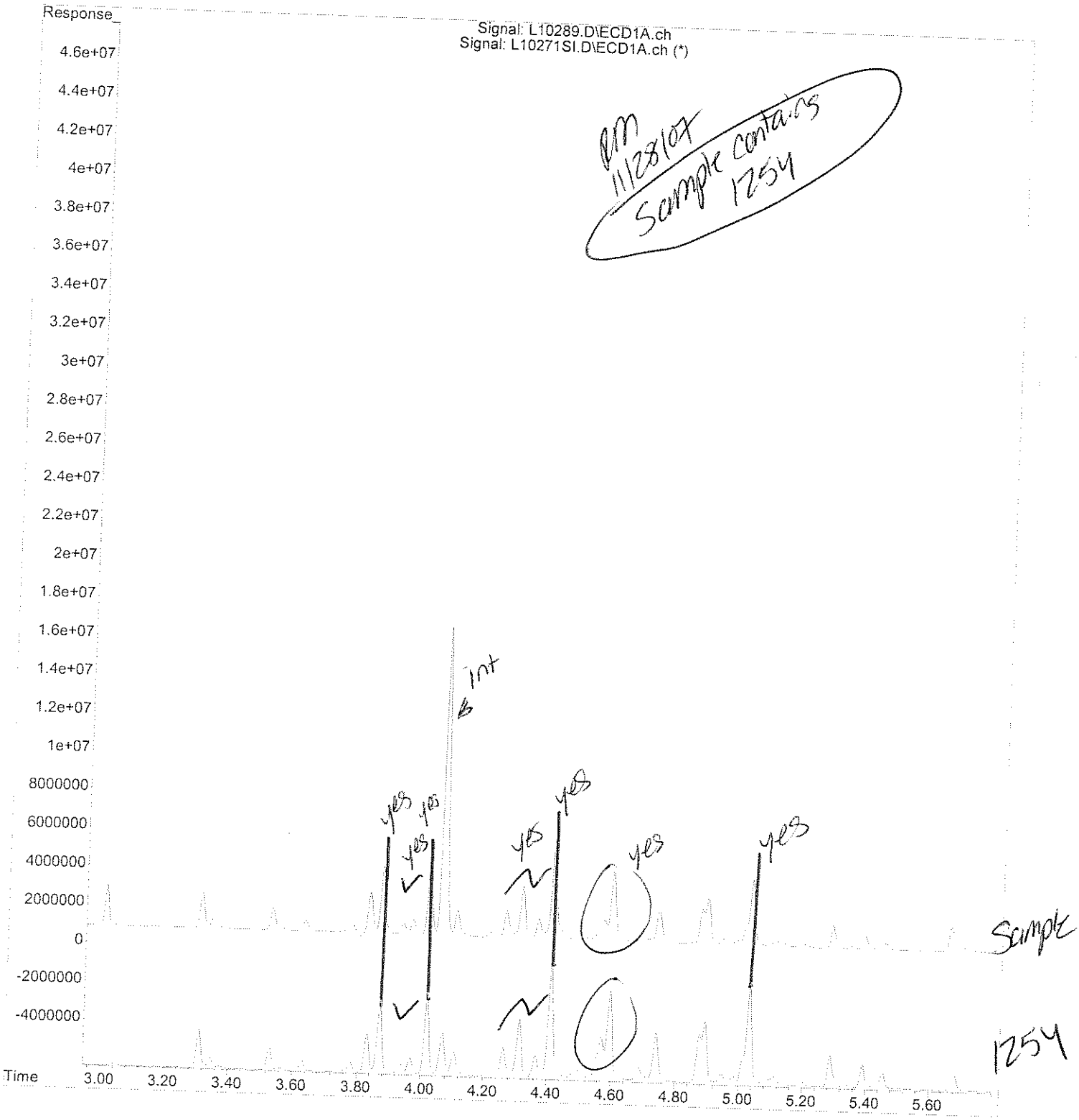
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:27 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10289.D
Operator :
Acquired : 27 Nov 07 6:53 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-5, A/C, DL, 1:250
Misc Info : SOIL
Vial Number: 27



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-6 DL
Matrix: Solid
Percent Solid: 96
Dilution Factor: 494
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-006

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	16300	U
PCB-1221	16300	U
PCB-1232	16300	U
PCB-1242	16300	U
PCB-1248	16300	U
PCB-1254	16300	**163000**
PCB-1260	16300	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-6, A/C, DL, 1:500

Data File: L10291.D

Dilution Factor: 493.5

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	158452	163127	2.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

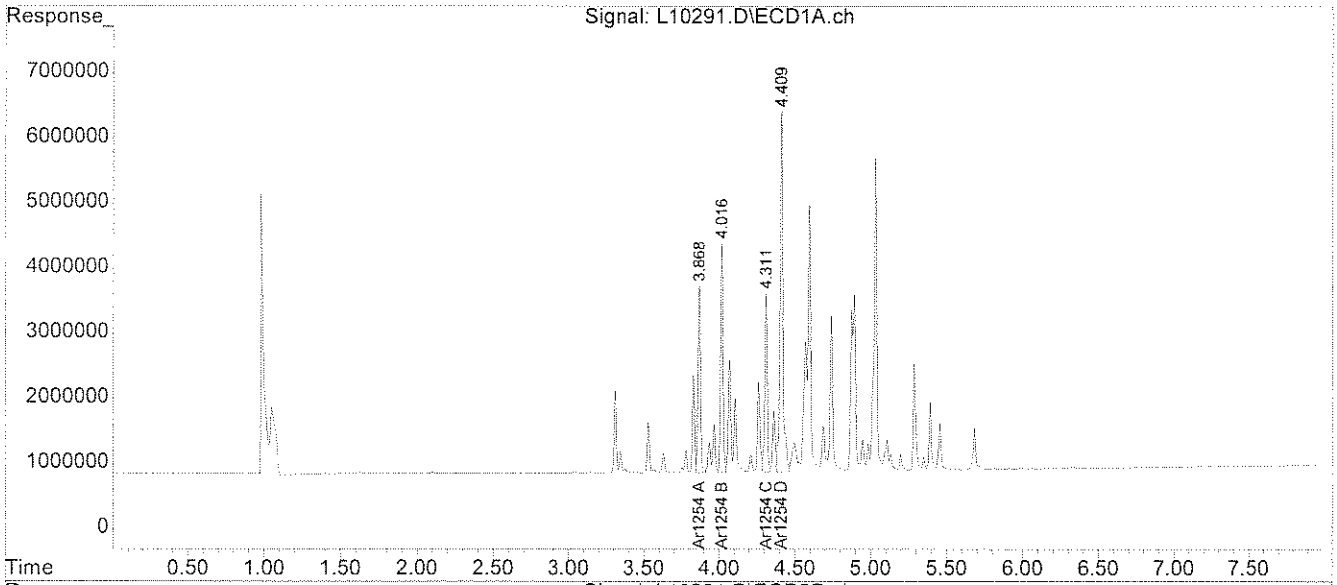
PCB FORM 10

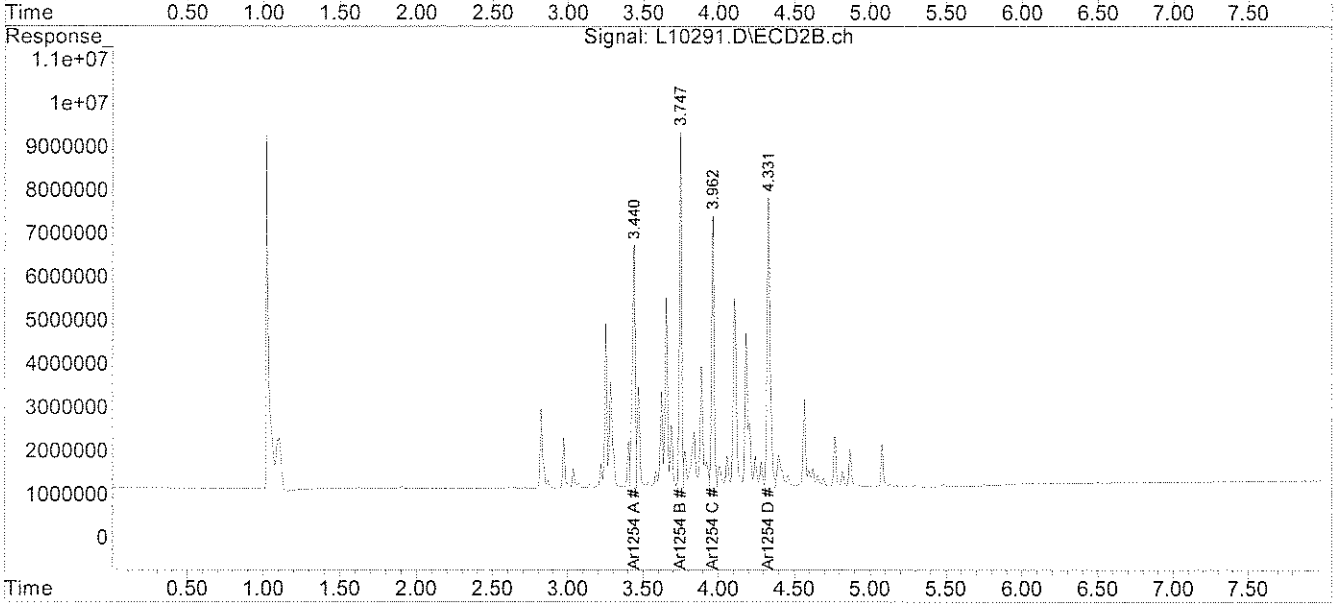
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 7:13 pm
Operator :
Sample : 60249-6, A/C, DL, 1:500
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

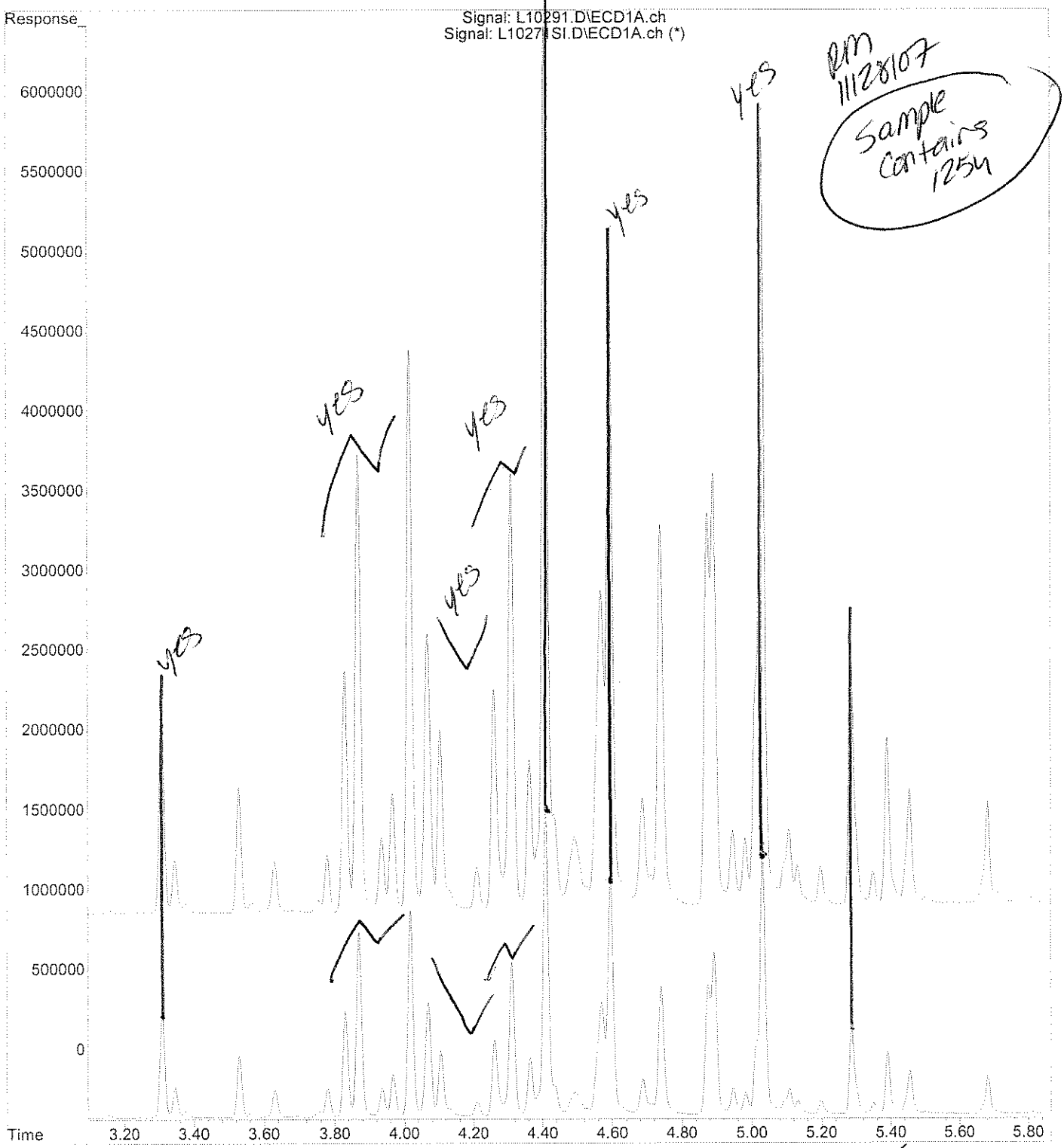
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:31 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10291.D
Operator :
Acquired : 27 Nov 07 7:13 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-6, A/C, DL, 1:500
Misc Info : SOIL
Vial Number: 29



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-7 DL
Matrix: Solid
Percent Solid: 97
Dilution Factor: 515
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-007

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	17000	U
PCB-1221	17000	U
PCB-1232	17000	U
PCB-1242	17000	U
PCB-1248	17000	U
PCB-1254	17000	**116000**
PCB-1260	17000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature M Glendell

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-7, A/C, DL, 1:500

Data File: L10292.D

Dilution Factor: 515.1

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	115926	81036	35.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

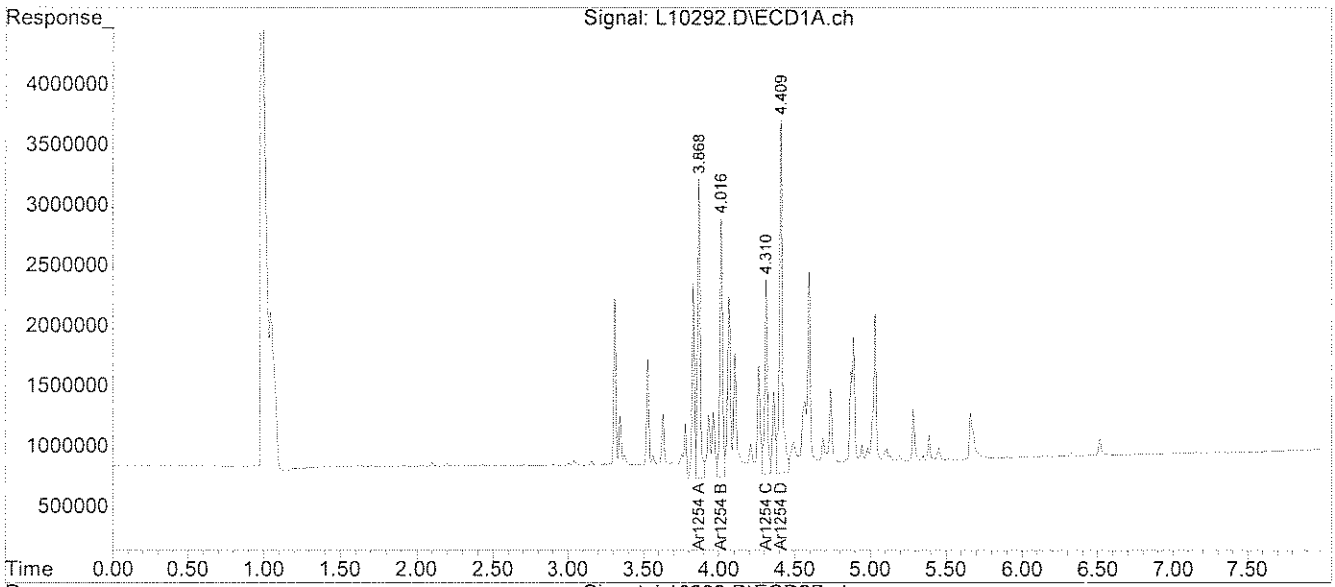
PCB FORM 10

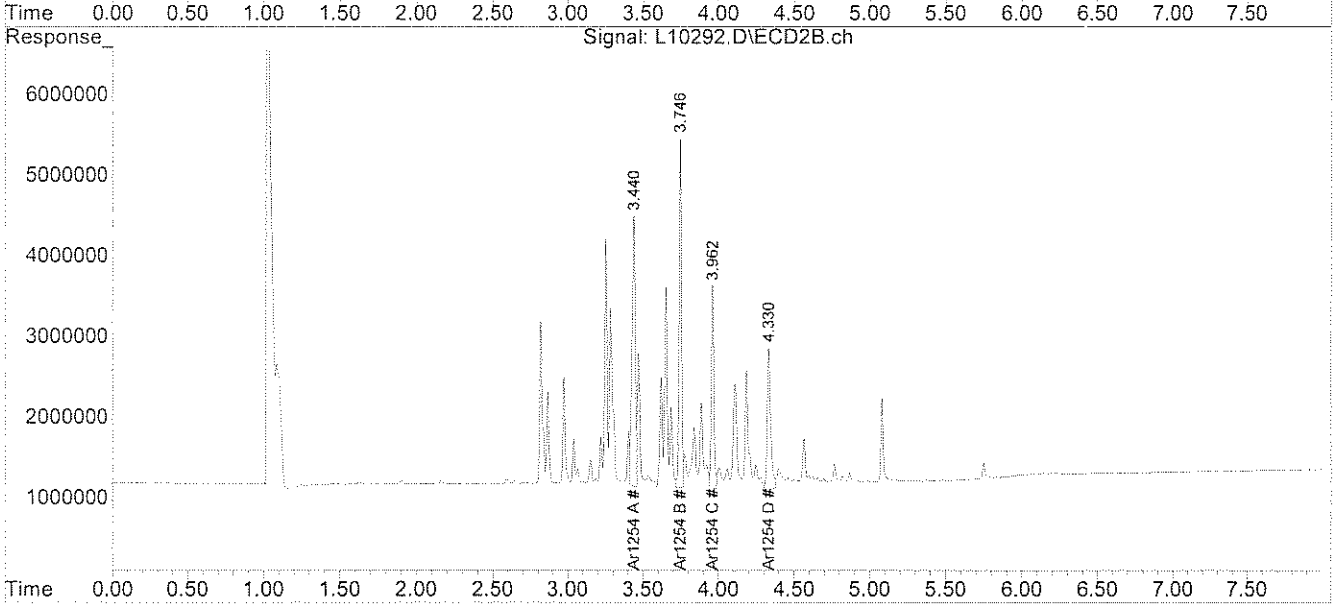
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 7:23 pm
Operator :
Sample : 60249-7, A/C, DL, 1:500
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

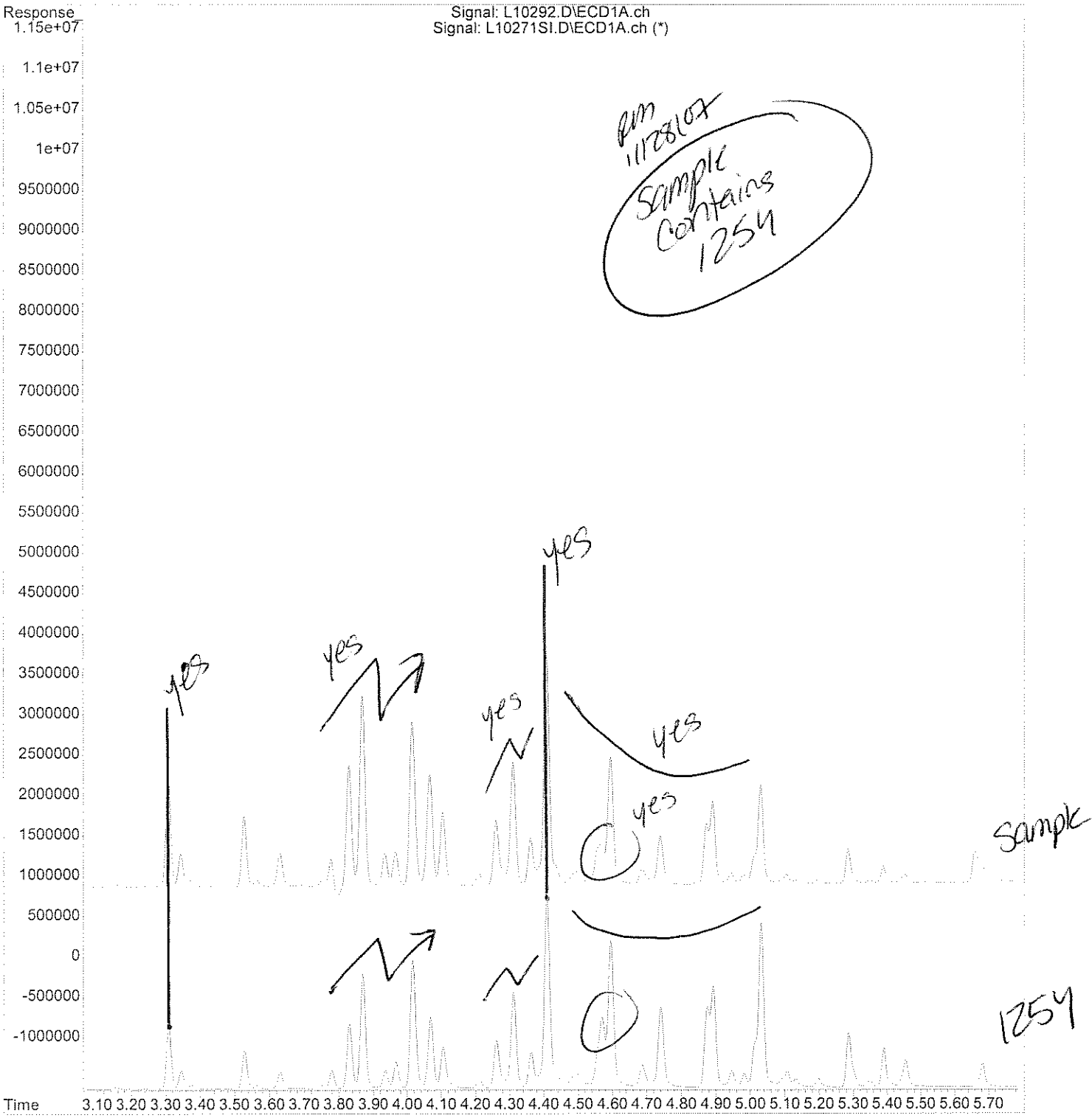
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:33 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10292.D
Operator :
Acquired : 27 Nov 07 7:23 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-7, A/C, DL, 1:500
Misc Info : SOIL
Vial Number: 30



3/27/07

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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-8 DL
Matrix: Solid
Percent Solid: 95
Dilution Factor: 513
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-008

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	16900	U
PCB-1221	16900	U
PCB-1232	16900	U
PCB-1242	16900	U
PCB-1248	16900	U
PCB-1254	16900	**238000**
PCB-1260	16900	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-8, A/C, DL, 1:500

Data File: L10293.D

Dilution Factor: 513.4

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	237858	204188	15.2	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

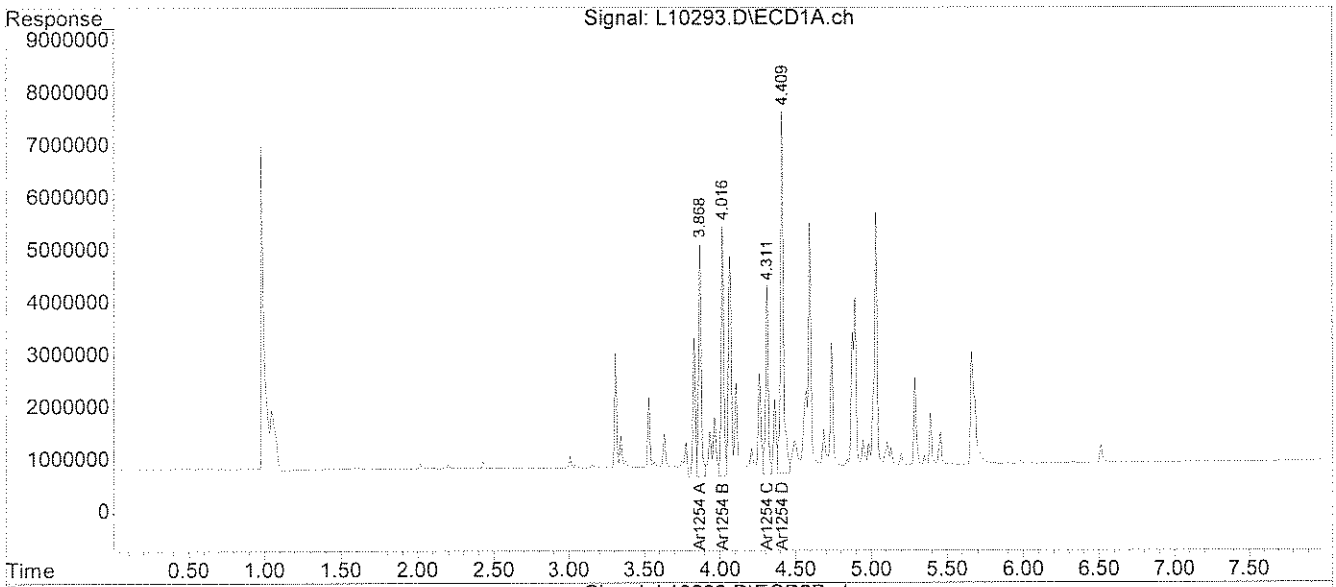
PCB FORM 10

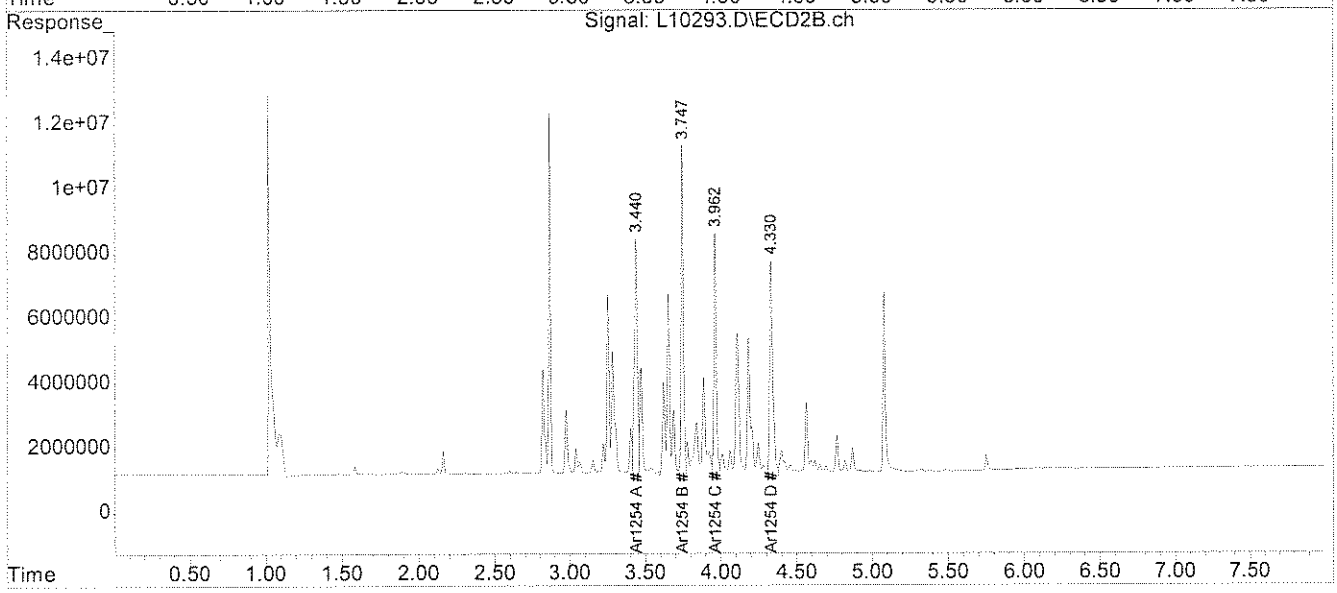
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 7:33 pm
Operator :
Sample : 60249-8, A/C, DL, 1:500
Misc : SOIL
ALS Vial : 31 Sample Multiplier: 1

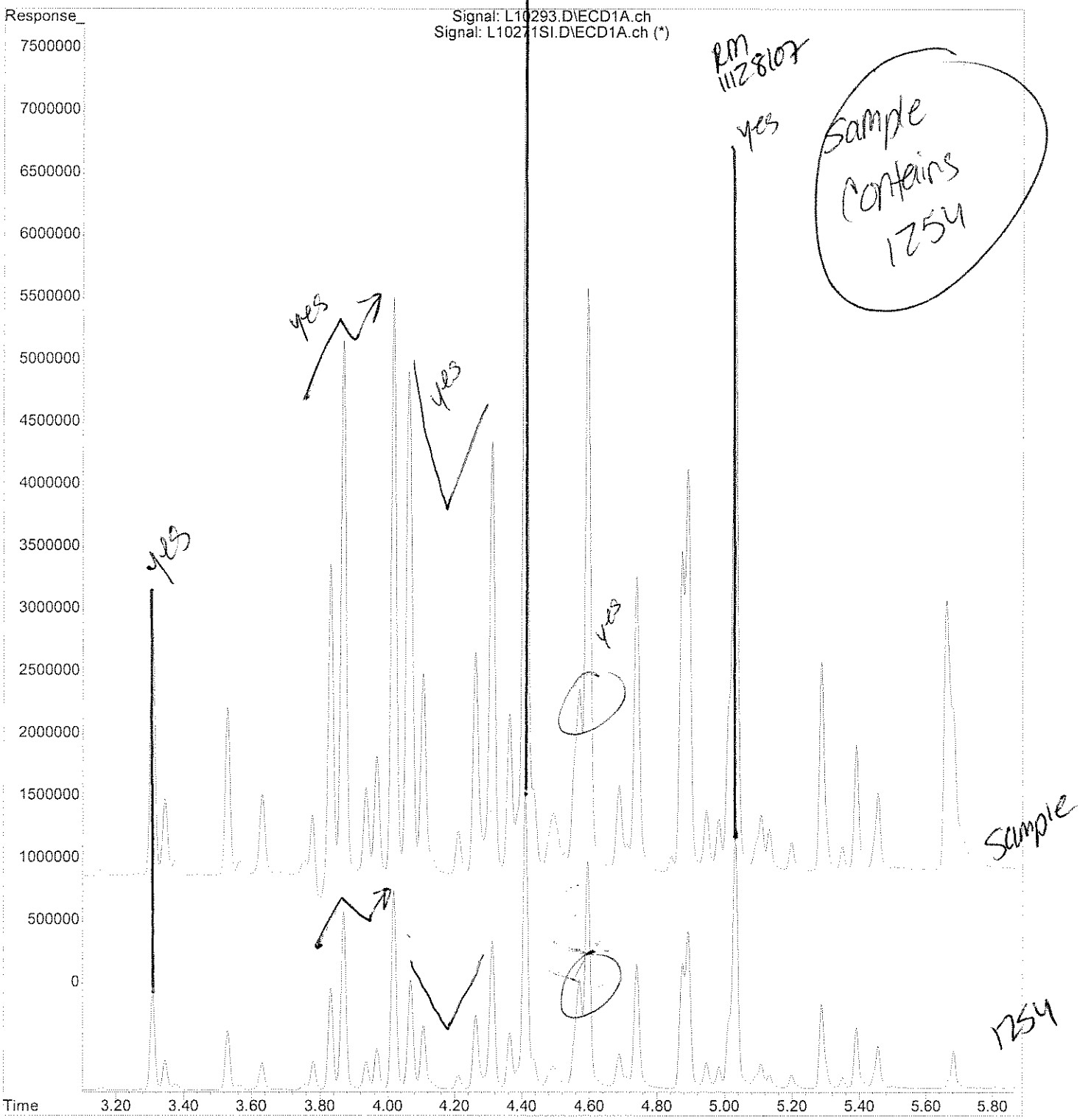
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:35 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10293.D
Operator :
Acquired : 27 Nov 07 7:33 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-8, A/C, DL, 1:500
Misc Info : SOIL
Vial Number: 31



D121107

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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-9 DL
Matrix: Solid
Percent Solid: 97
Dilution Factor: 1980
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/28/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-009

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	65300	U
PCB-1221	65300	U
PCB-1232	65300	U
PCB-1242	65300	U
PCB-1248	65300	U
PCB-1254	65300	**608000**
PCB-1260	65300	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature M Lindell

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-9, A/C, DL, 1:2000

Data File: L10329.D

Dilution Factor: 1981.6

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	608106	555645	9.0	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

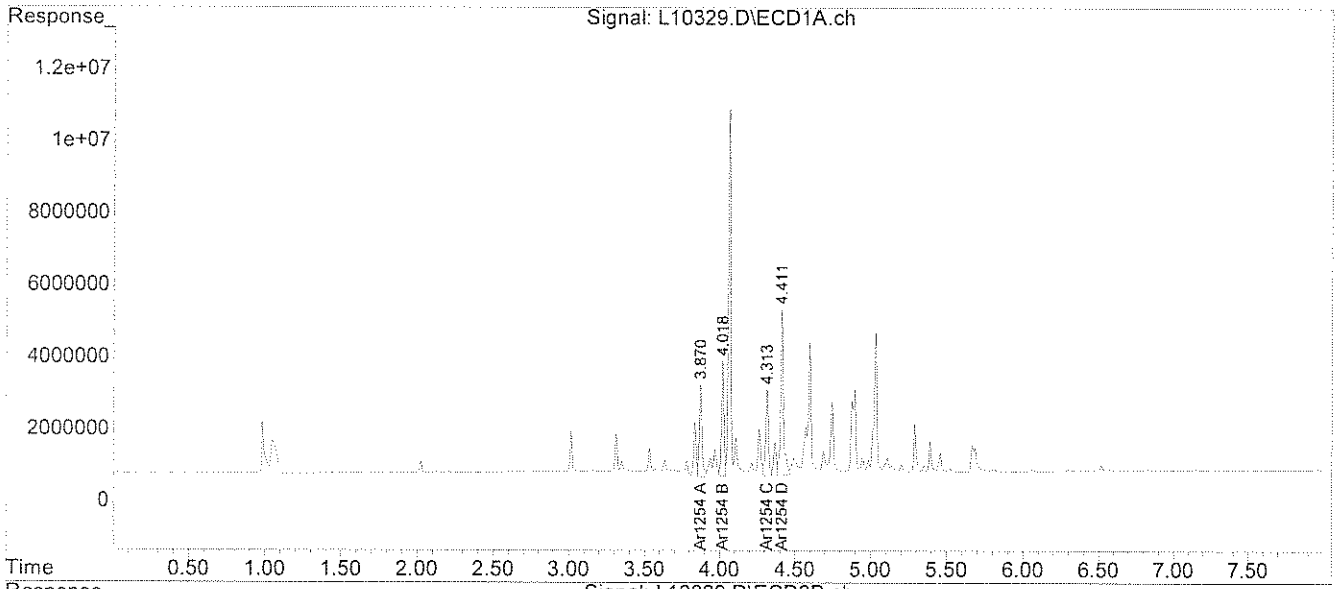
PCB FORM 10

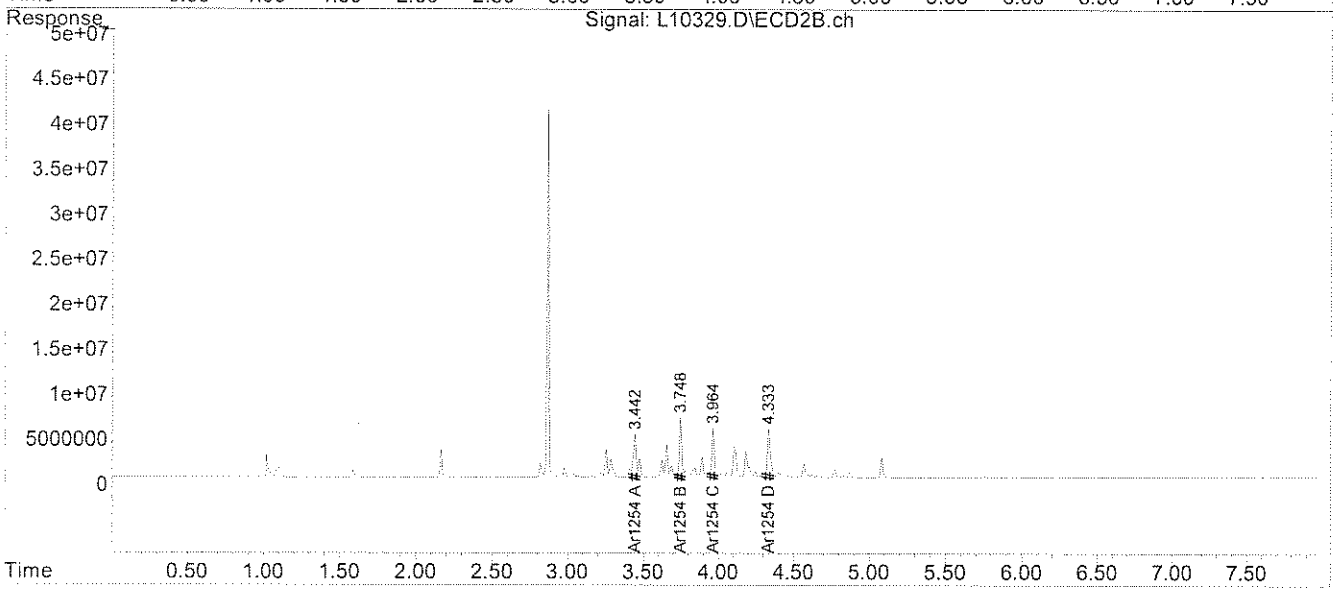
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Nov 07 11:50 am
Operator :
Sample : 60249-9, A/C, DL, 1:2000
Misc : SOIL
ALS Vial : 55 Sample Multiplier: 1

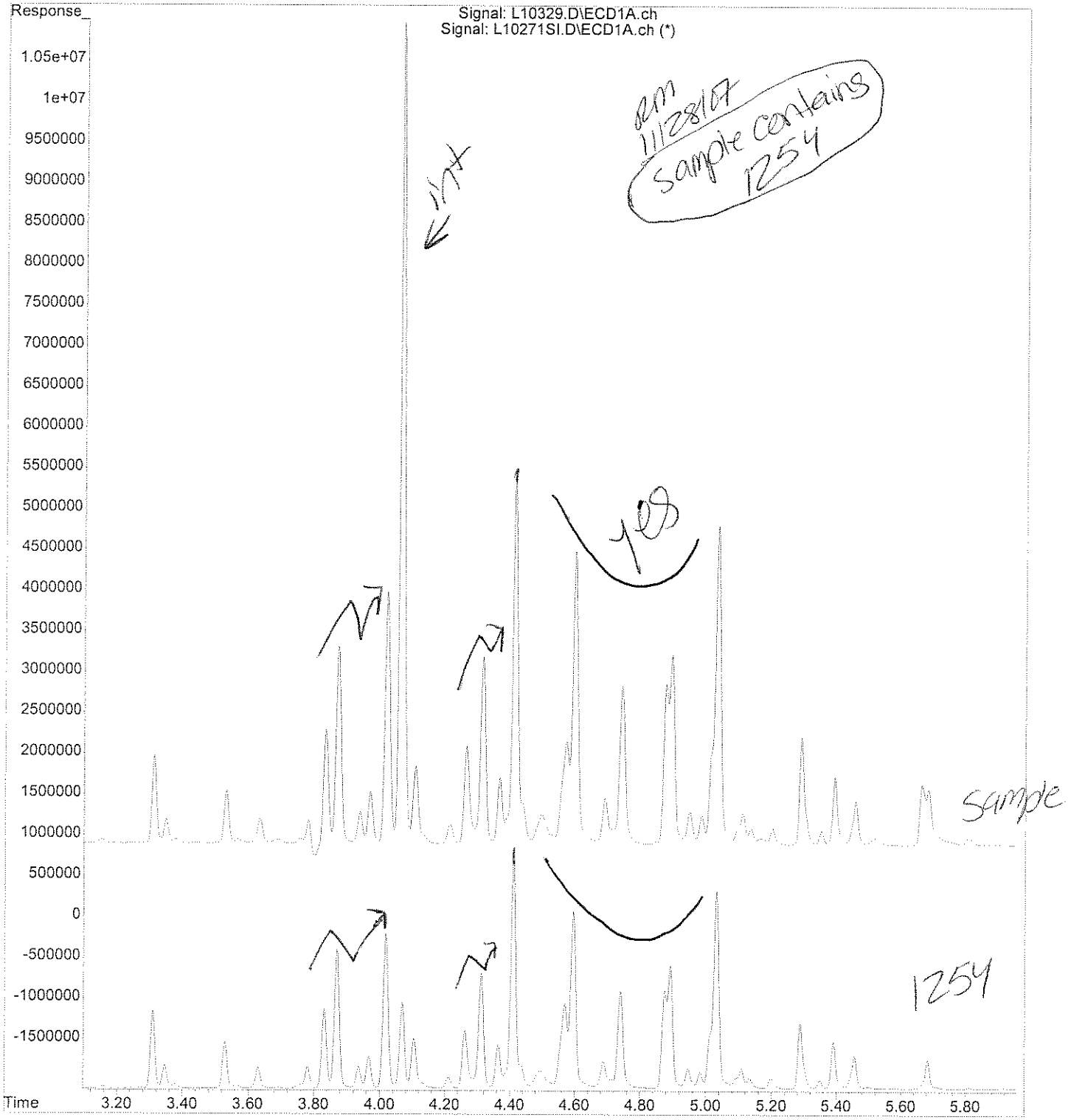
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 12:30:59 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10329.D
Operator :
Acquired : 28 Nov 07 11:50 am using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-9, A/C, DL, 1:2000
Misc Info : SOIL
Vial Number: 55



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-10 DL
Matrix: Solid
Percent Solid: 97
Dilution Factor: 510
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-010

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	16800	U
PCB-1221	16800	U
PCB-1232	16800	U
PCB-1242	16800	U
PCB-1248	16800	U
PCB-1254	16800	**156000**
PCB-1260	16800	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-10, A/C, DL, 1:500

Data File: L10294.D

Dilution Factor: 509.4

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	156443	126639	21.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

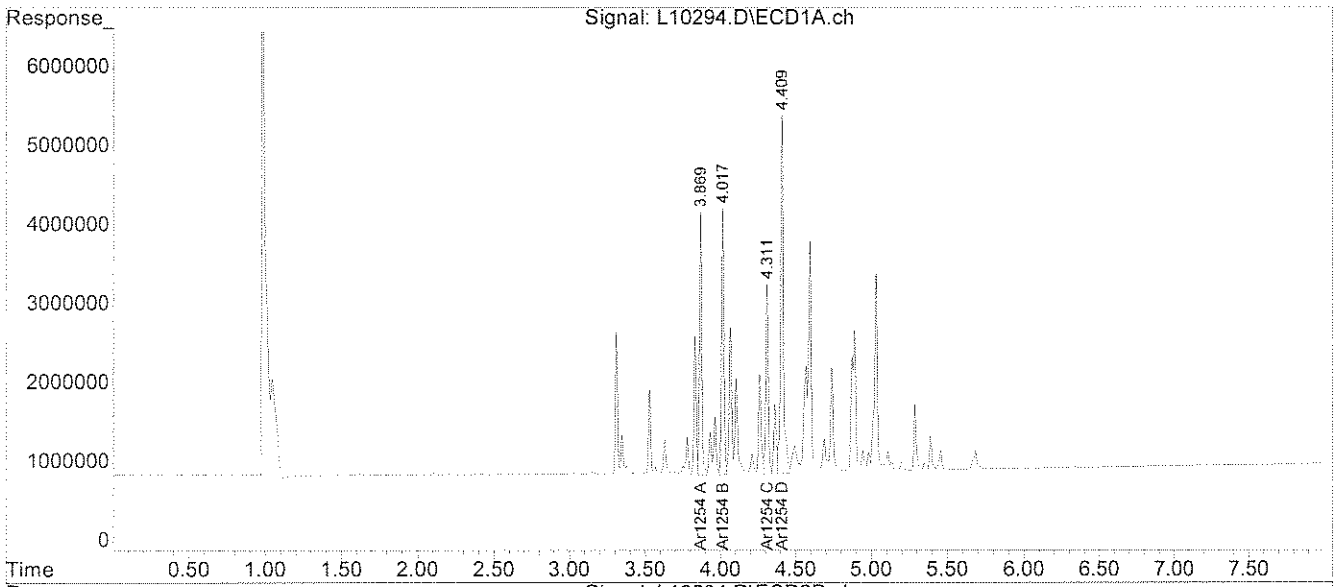
PCB FORM 10

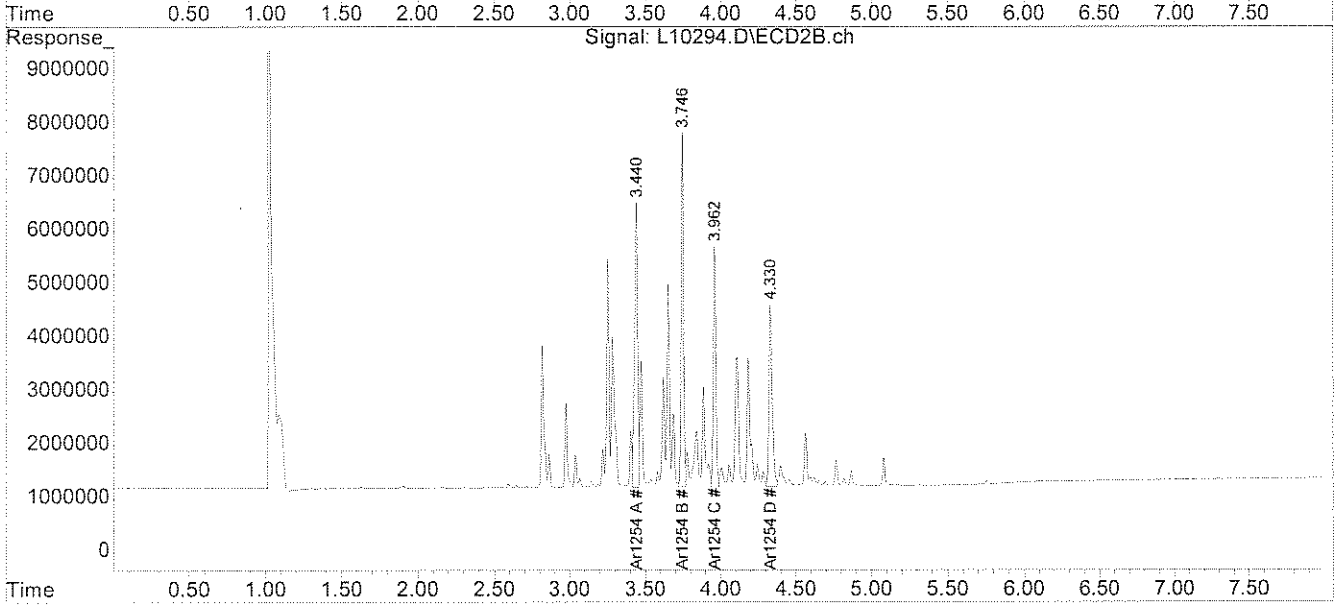
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 7:44 pm
Operator :
Sample : 60249-10, A/C, DL, 1:500
Misc : SOIL
ALS Vial : 32 Sample Multiplier: 1

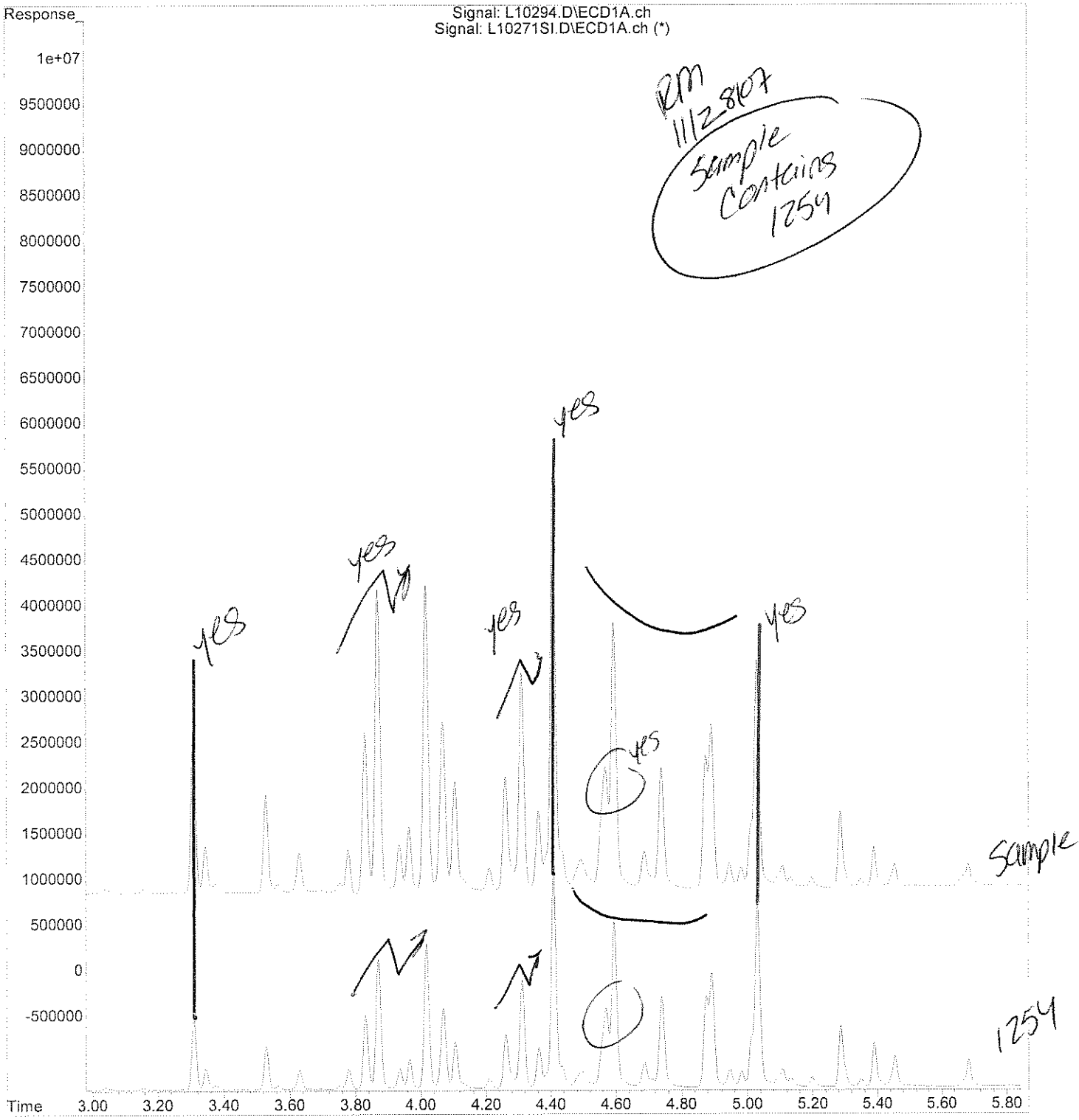
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:37 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10294.D
Operator :
Acquired : 27 Nov 07 7:44 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-10, A/C, DL, 1:500
Misc Info : SOIL
Vial Number: 32



11/28/07

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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-11 DL
Matrix: Solid
Percent Solid: 95
Dilution Factor: 513
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-011

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	16900	U
PCB-1221	16900	U
PCB-1232	16900	U
PCB-1242	16900	U
PCB-1248	16900	U
PCB-1254	16900	**110000**
PCB-1260	16900	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-11, A/C, DL, 1:500

Data File: L10295.D

Dilution Factor: 513.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	110344	86845	23.8	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

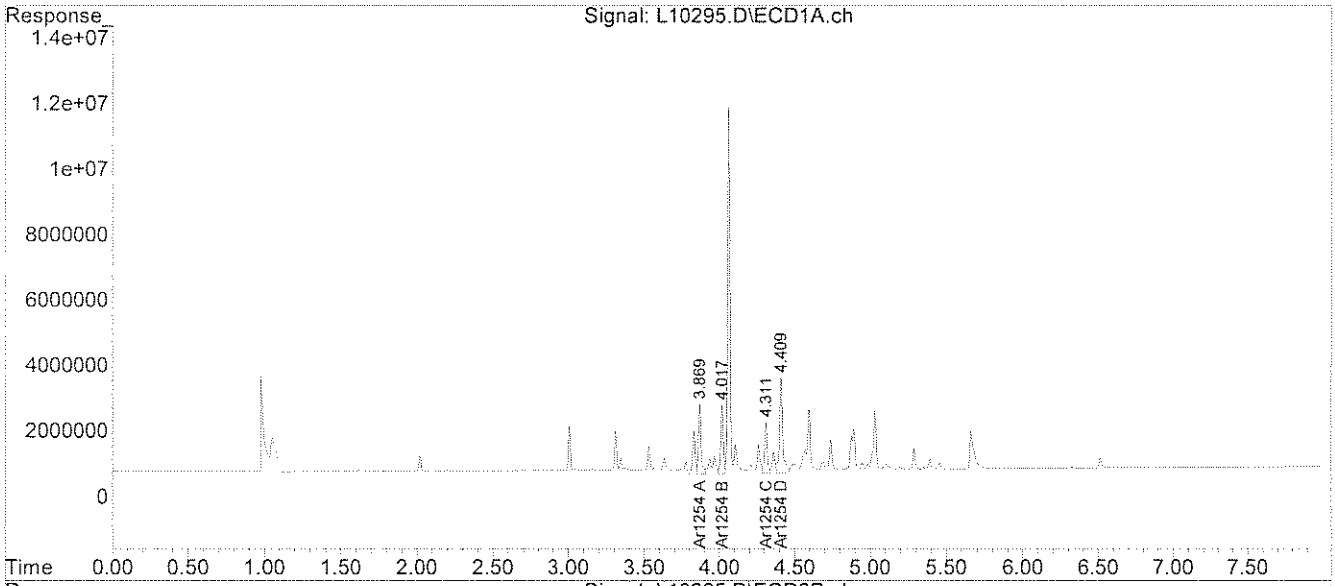
PCB FORM 10

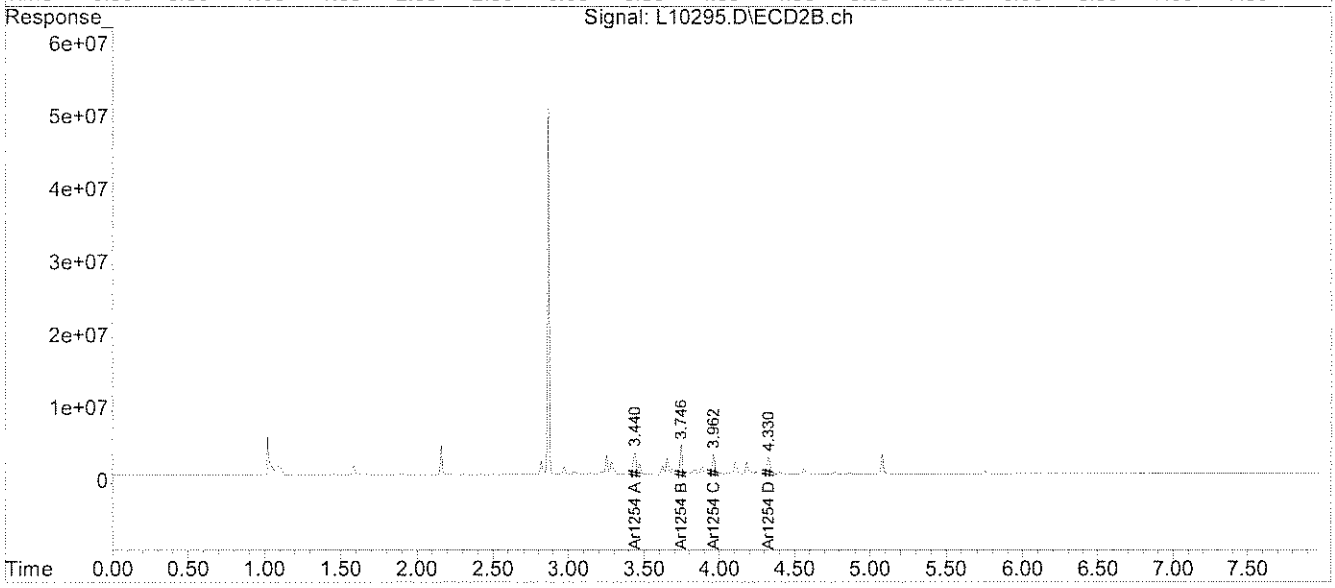
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 7:54 pm
Operator :
Sample : 60249-11, A/C, DL, 1:500
Misc : SOIL
ALS Vial : 33 Sample Multiplier: 1

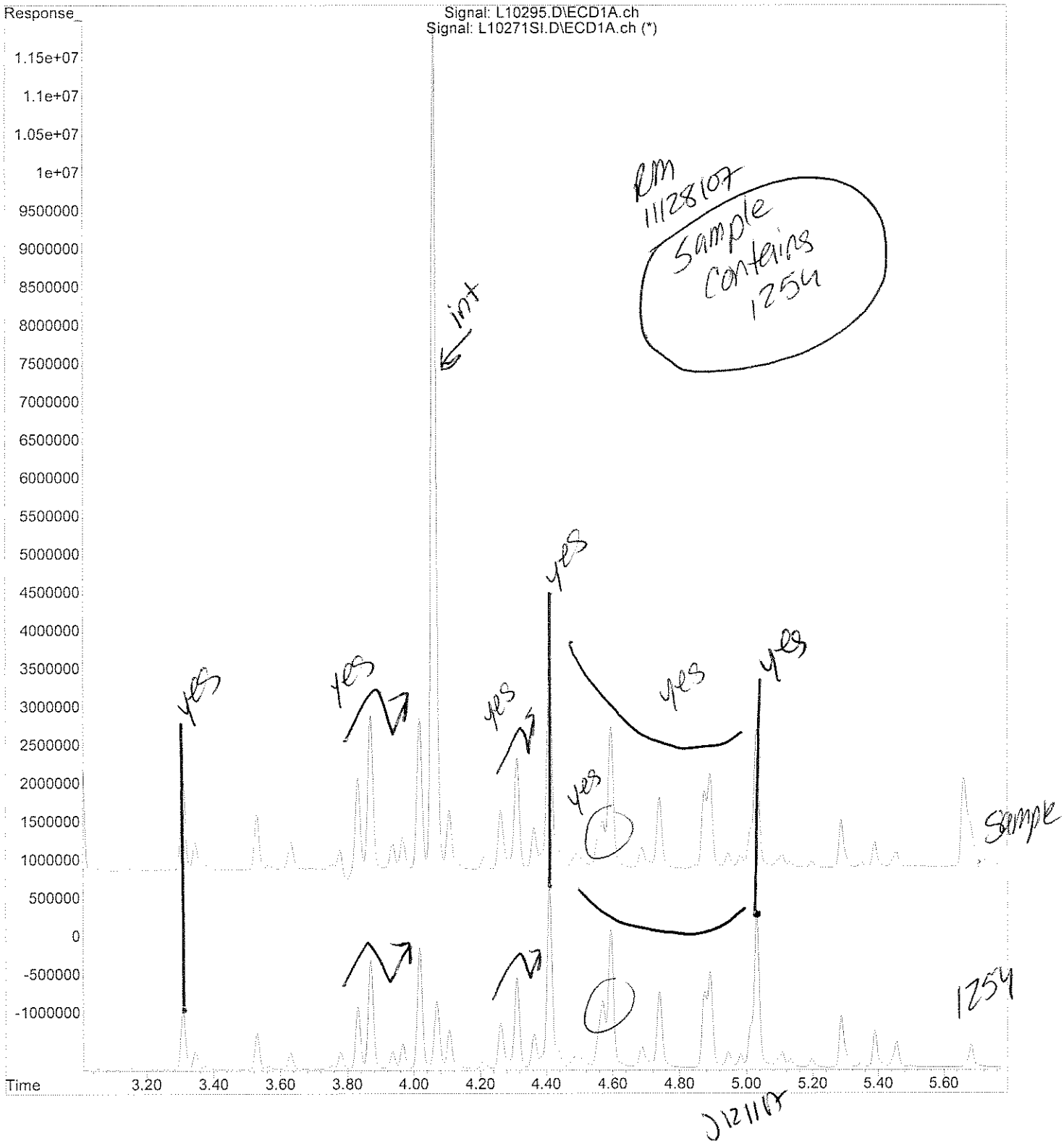
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:39 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10295.D
Operator :
Acquired : 27 Nov 07 7:54 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-11, A/C, DL, 1:500
Misc Info : SOIL
Vial Number: 33



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-12 DL
Matrix: Solid
Percent Solid: 97
Dilution Factor: 103
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-012

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	3400	U
PCB-1221	3400	U
PCB-1232	3400	U
PCB-1242	3400	U
PCB-1248	3400	U
PCB-1254	3400	**51300**
PCB-1260	3400	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-12, A/C, DL, 1:100

Data File: L10283.D

Dilution Factor: 102.9

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	51310	48393	5.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

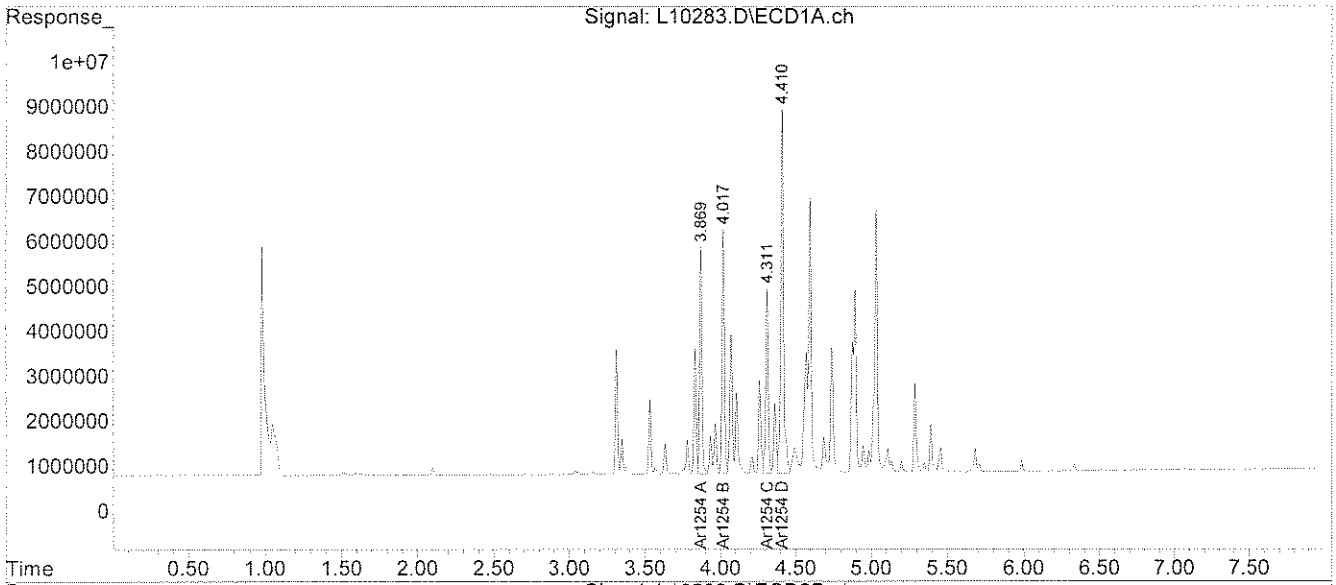
Comments: _____

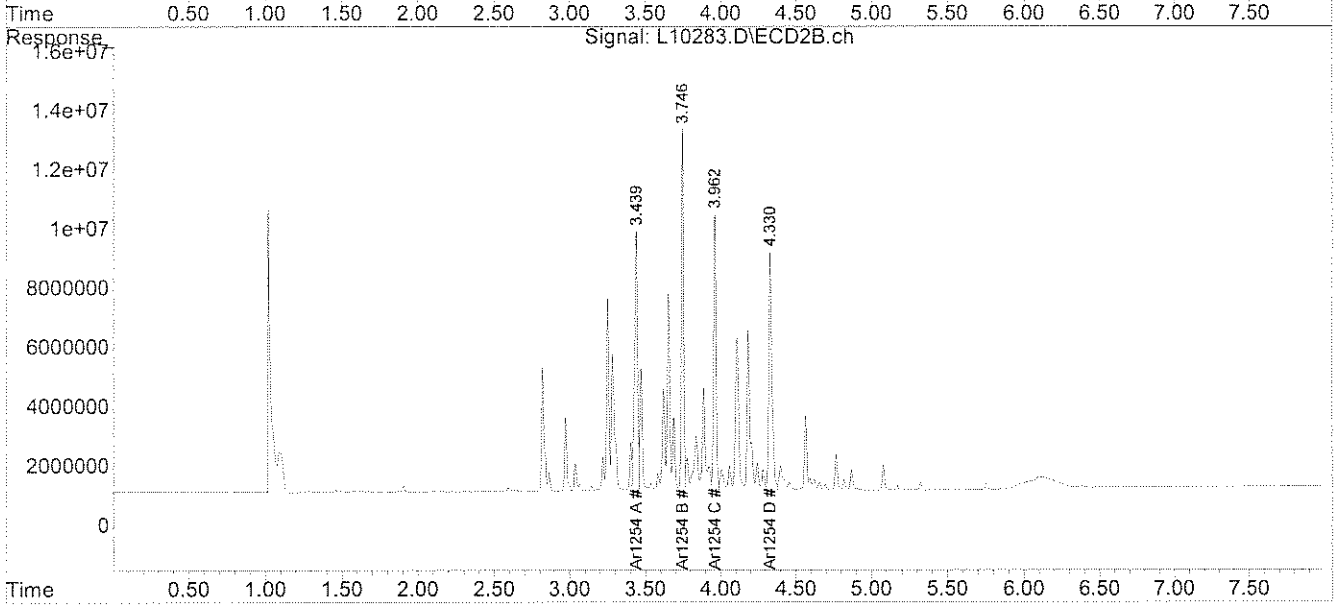
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 5:51 pm
Operator :
Sample : 60249-12, A/C, DL, 1:100
Misc : SOIL
ALS Vial : 21 Sample Multiplier: 1

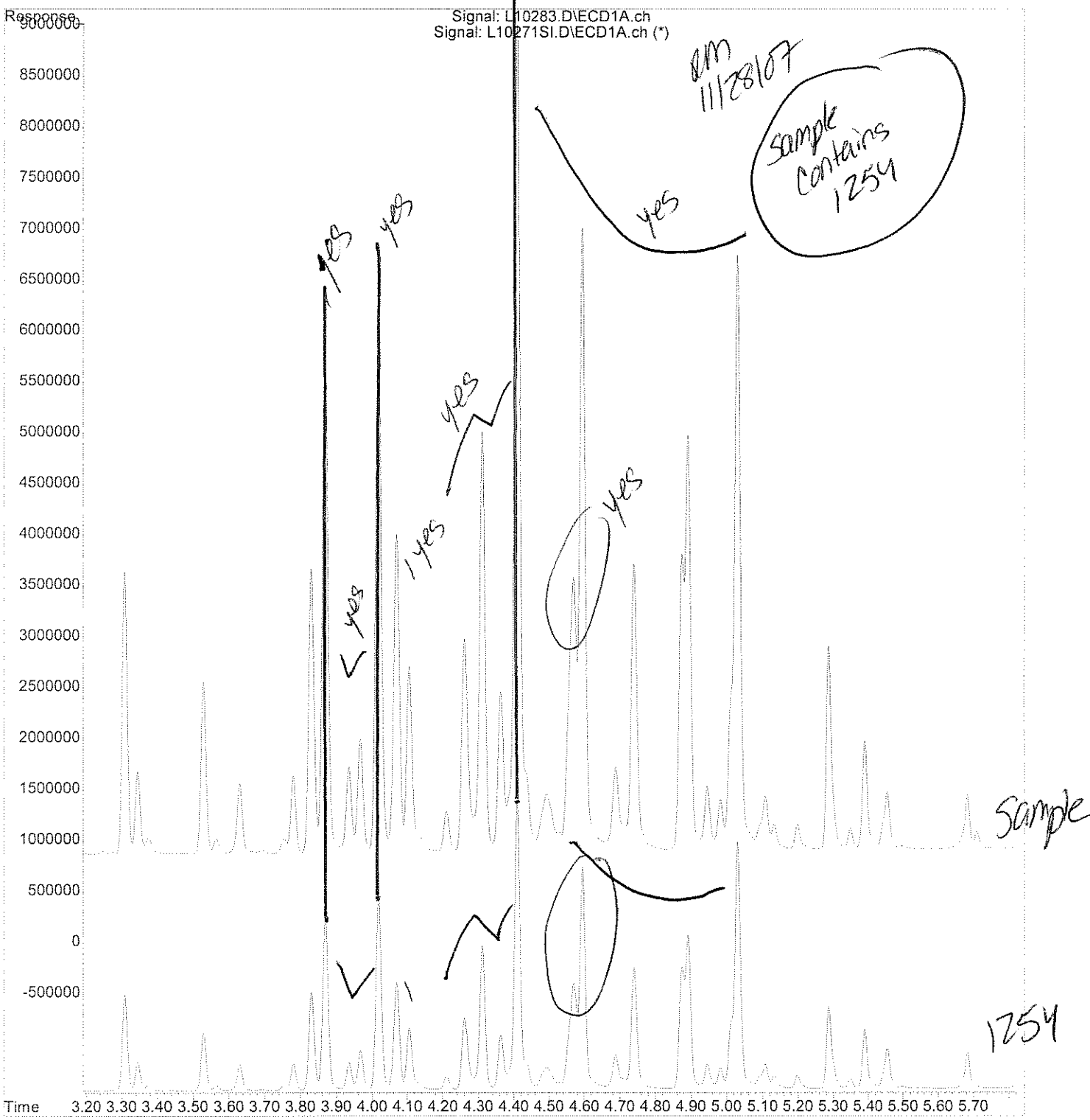
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:15 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10283.D
Operator :
Acquired : 27 Nov 07 5:51 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-12, A/C, DL, 1:100
Misc Info : SOIL
Vial Number: 21



SLK 12/3/07

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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-13 DL
Matrix: Solid
Percent Solid: 97
Dilution Factor: 508
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/19/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-013

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	16800	U
PCB-1221	16800	U
PCB-1232	16800	U
PCB-1242	16800	U
PCB-1248	16800	U
PCB-1254	16800	**79400**
PCB-1260	16800	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-13, A/C, DL, 1:500

Data File: L10296.D

Dilution Factor: 507.7

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	79385	74713	6.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

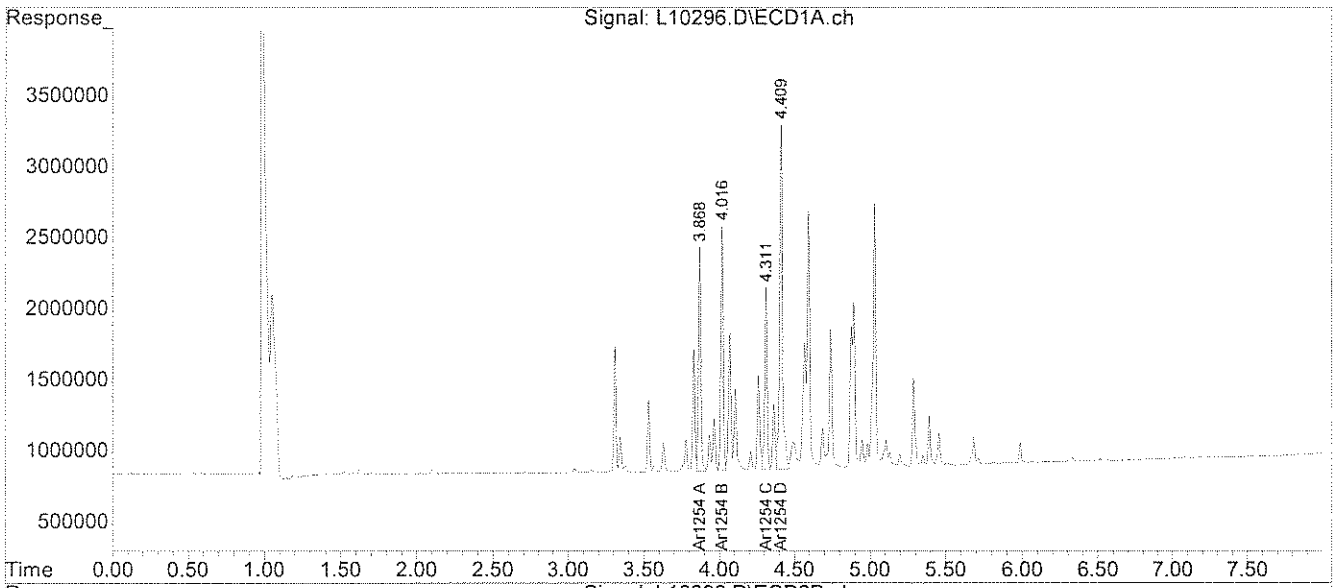
PCB FORM 10

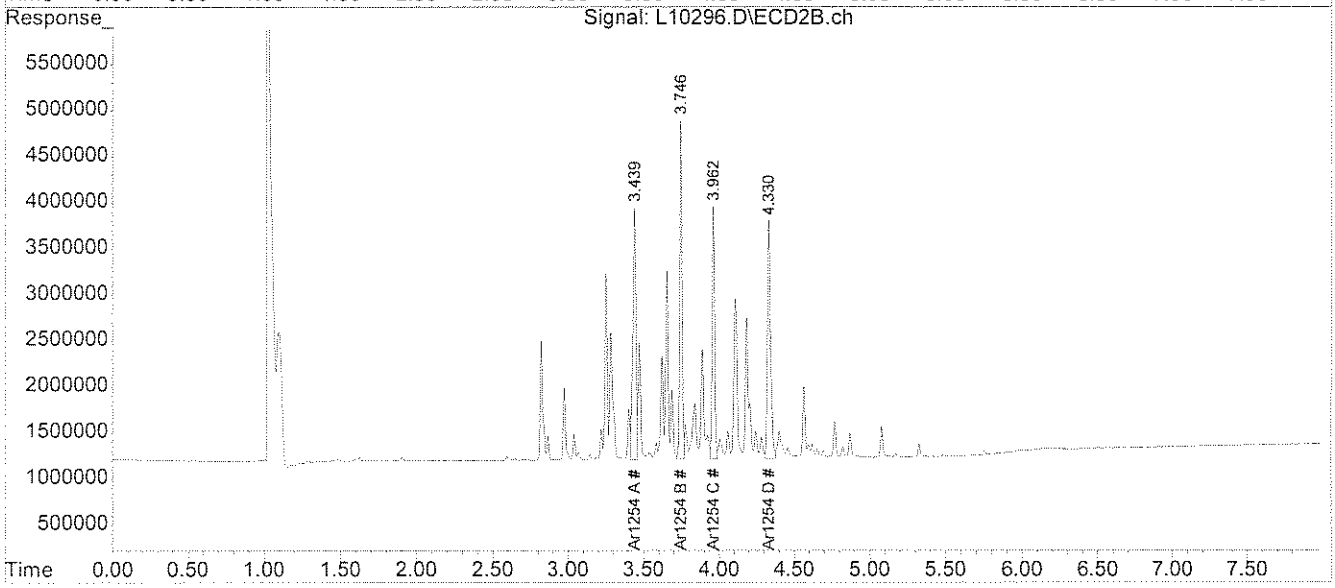
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 8:04 pm
Operator :
Sample : 60249-13, A/C, DL, 1:500
Misc : SOIL
ALS Vial : 34 Sample Multiplier: 1

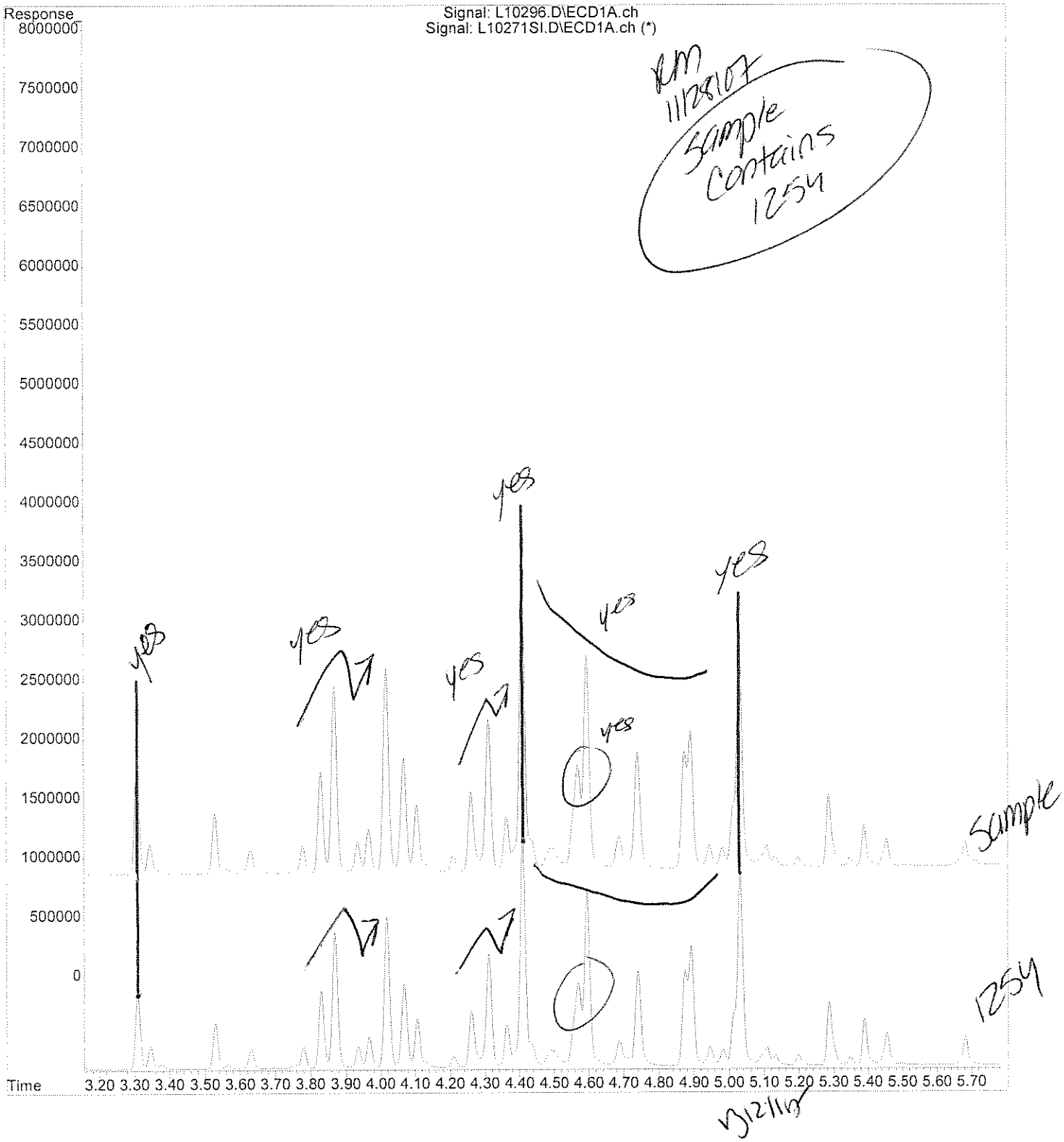
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:41 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10296.D
Operator :
Acquired : 27 Nov 07 8:04 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-13, A/C, DL, 1:500
Misc Info : SOIL
Vial Number: 34



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-14 DL
Matrix: Solid
Percent Solid: 96
Dilution Factor: 514
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/20/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-014

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	17000	U
PCB-1221	17000	U
PCB-1232	17000	U
PCB-1242	17000	U
PCB-1248	17000	U
PCB-1254	17000	**109000**
PCB-1260	17000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-14, A/C, DL, 1:500

Data File: L10297.D

Dilution Factor: 513.5

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	109191	85561	24.3	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

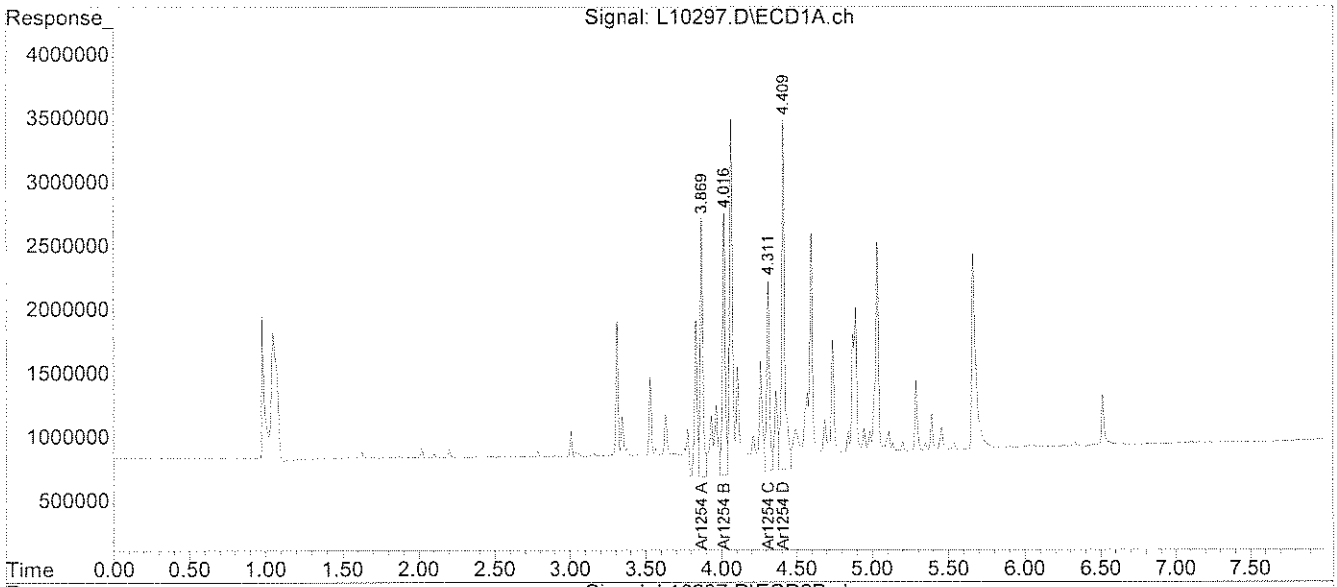
PCB FORM 10

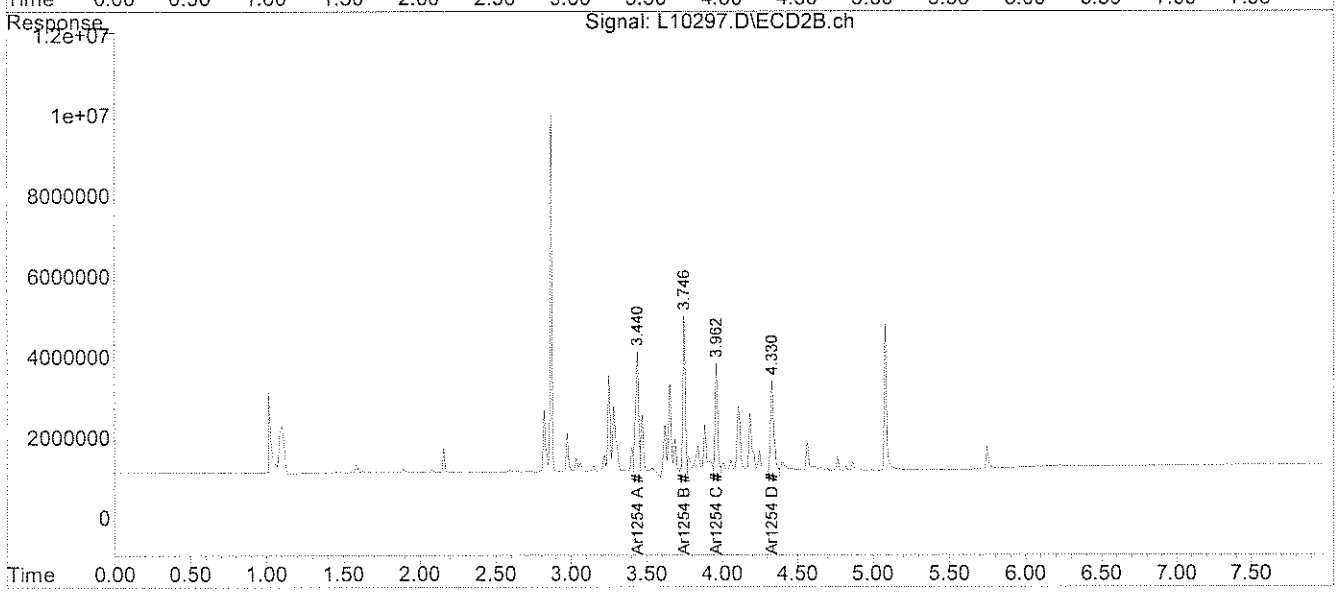
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 8:15 pm
Operator :
Sample : 60249-14, A/C, DL, 1:500
Misc : SOIL
ALS Vial : 35 Sample Multiplier: 1

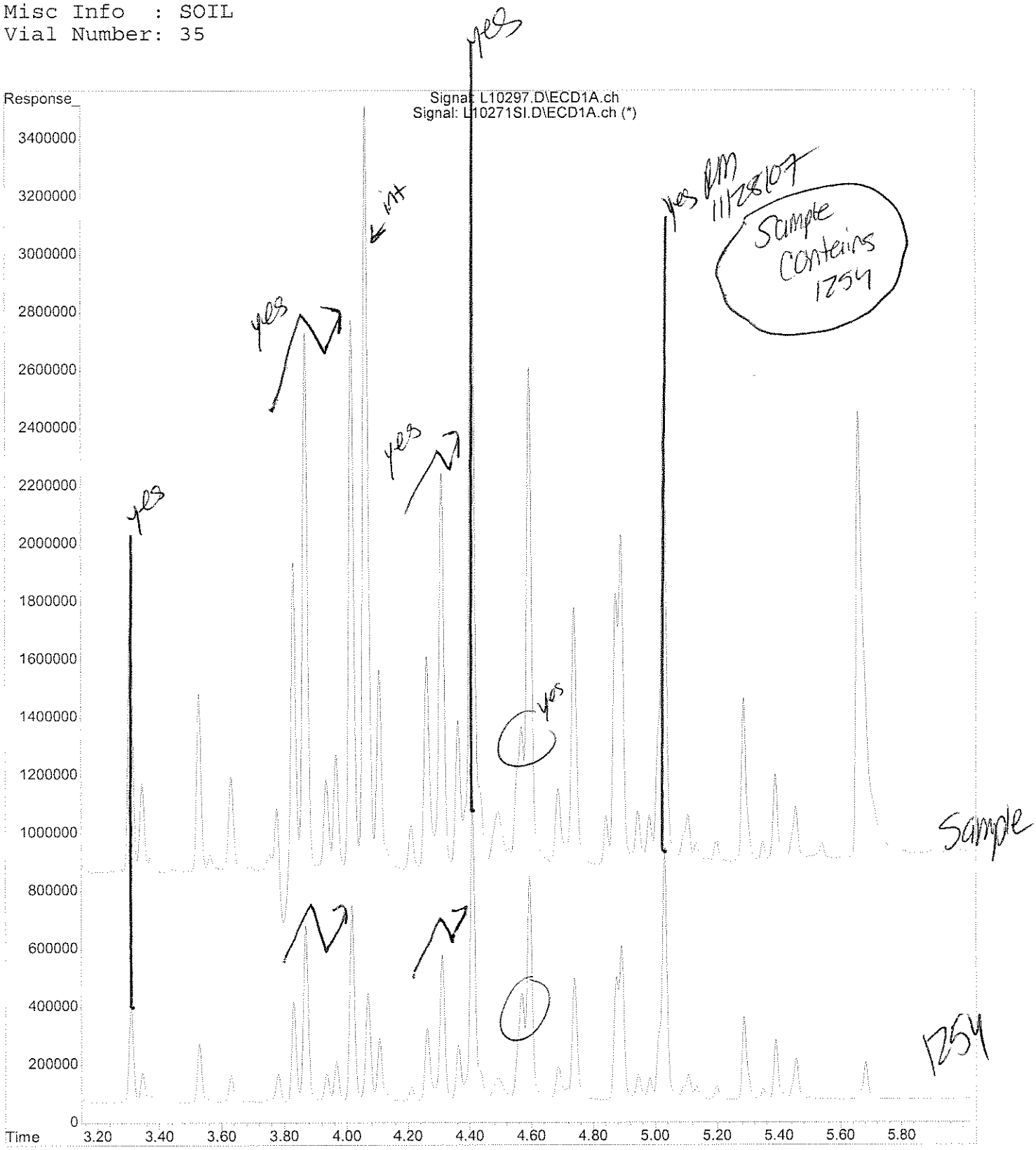
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:43 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10297.D
Operator :
Acquired : 27 Nov 07 8:15 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-14, A/C, DL, 1:500
Misc Info : SOIL
Vial Number: 35



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Andover MA 01810

November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-15 DL
Matrix: Solid
Percent Solid: 97
Dilution Factor: 102
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/20/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-015

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	3370	U
PCB-1221	3370	U
PCB-1232	3370	U
PCB-1242	3370	U
PCB-1248	3370	U
PCB-1254	3370	**33600**
PCB-1260	3370	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-15, A/C, DL, 1:100

Data File: L10285.D

Dilution Factor: 101.8

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	33616	27695	19.3	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

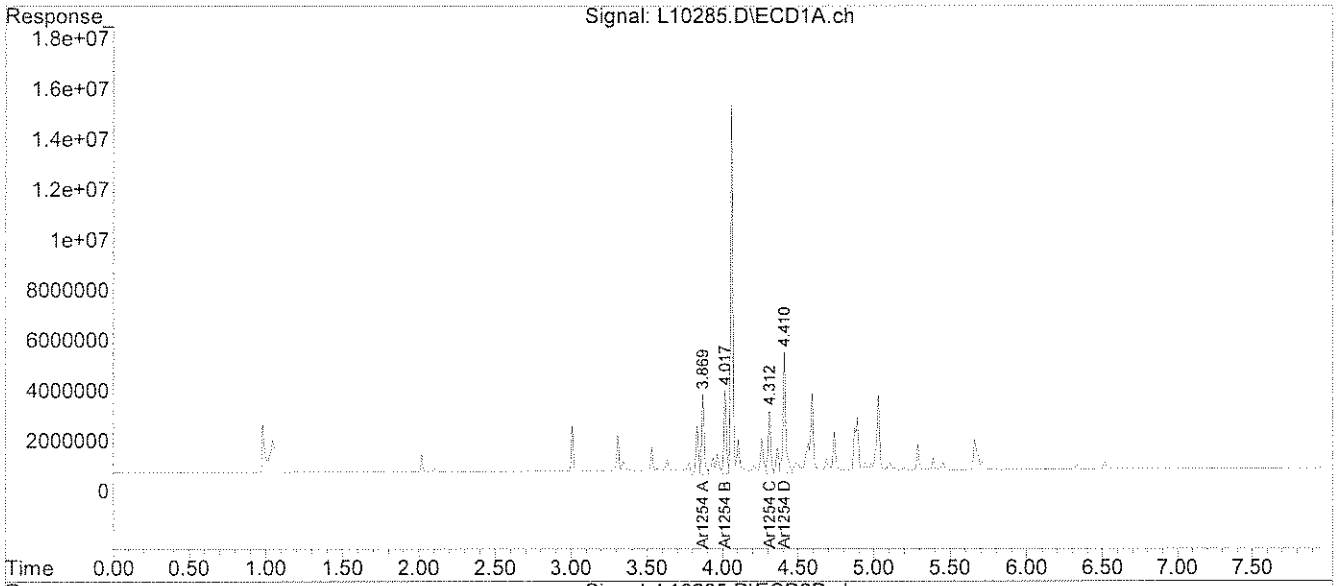
Comments: _____

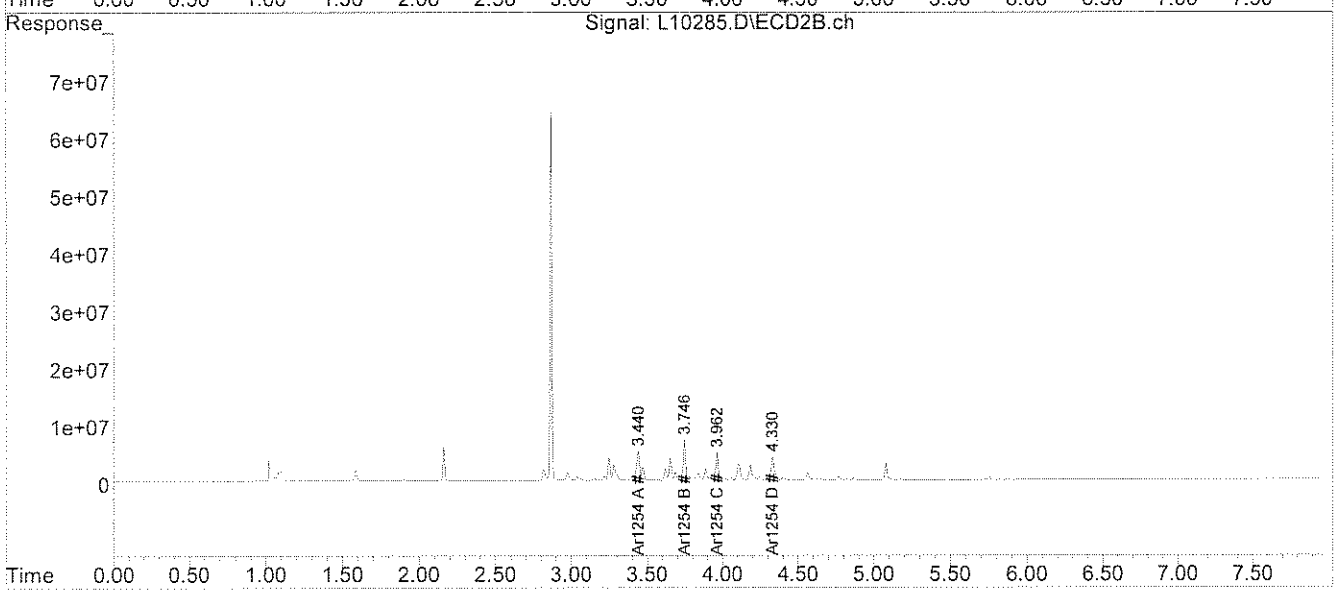
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10285.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 6:11 pm
Operator :
Sample : 60249-15, A/C, DL, 1:100
Misc : SOIL
ALS Vial : 23 Sample Multiplier: 1

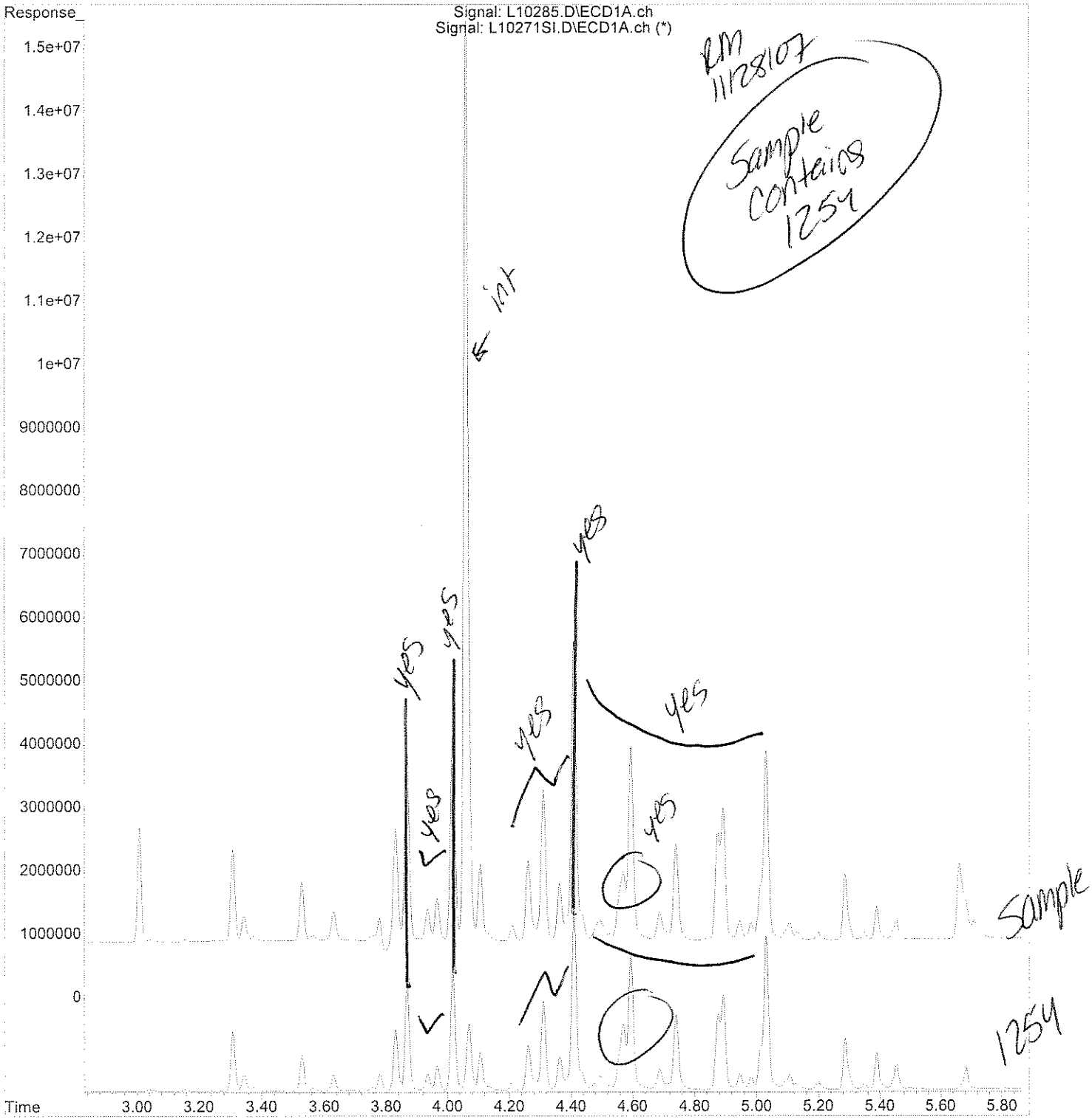
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:19 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10285.D
Operator :
Acquired : 27 Nov 07 6:11 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-15, A/C, DL, 1:100
Misc Info : SOIL
Vial Number: 23



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-16 DL
Matrix: Solid
Percent Solid: 96
Dilution Factor: 51
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/20/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-016

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	1680	U
PCB-1221	1680	U
PCB-1232	1680	U
PCB-1242	1680	U
PCB-1248	1680	U
PCB-1254	1680	**10100**
PCB-1260	1680	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-16, A/C, DL, 1:50

Data File: L10308.D

Dilution Factor: 50.5

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	10095	7673	27.3	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

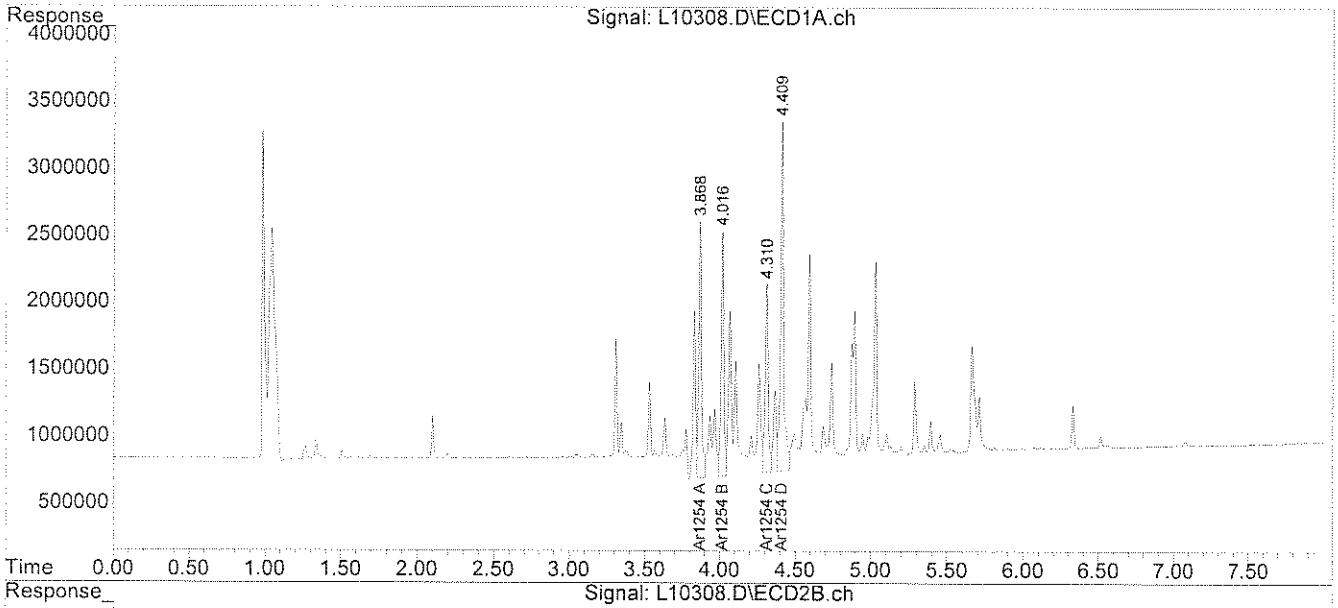
Comments: _____

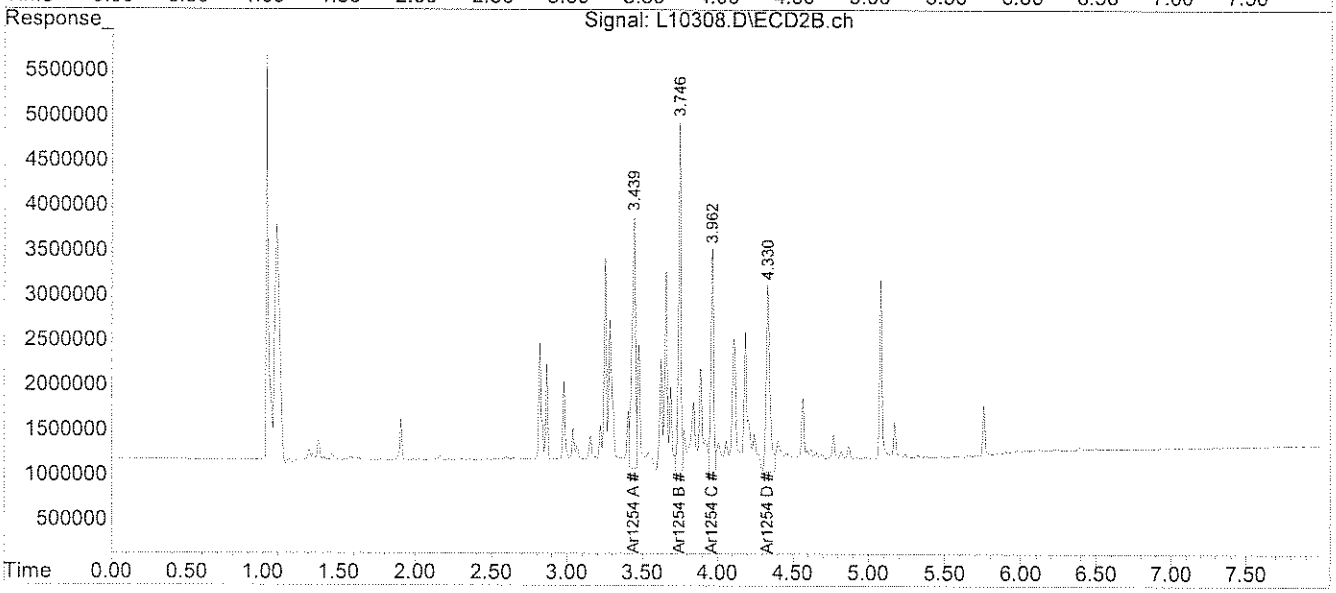
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 10:08 pm
Operator :
Sample : 60249-16, A/C, DL, 1:50
Misc : SOIL
ALS Vial : 43 Sample Multiplier: 1

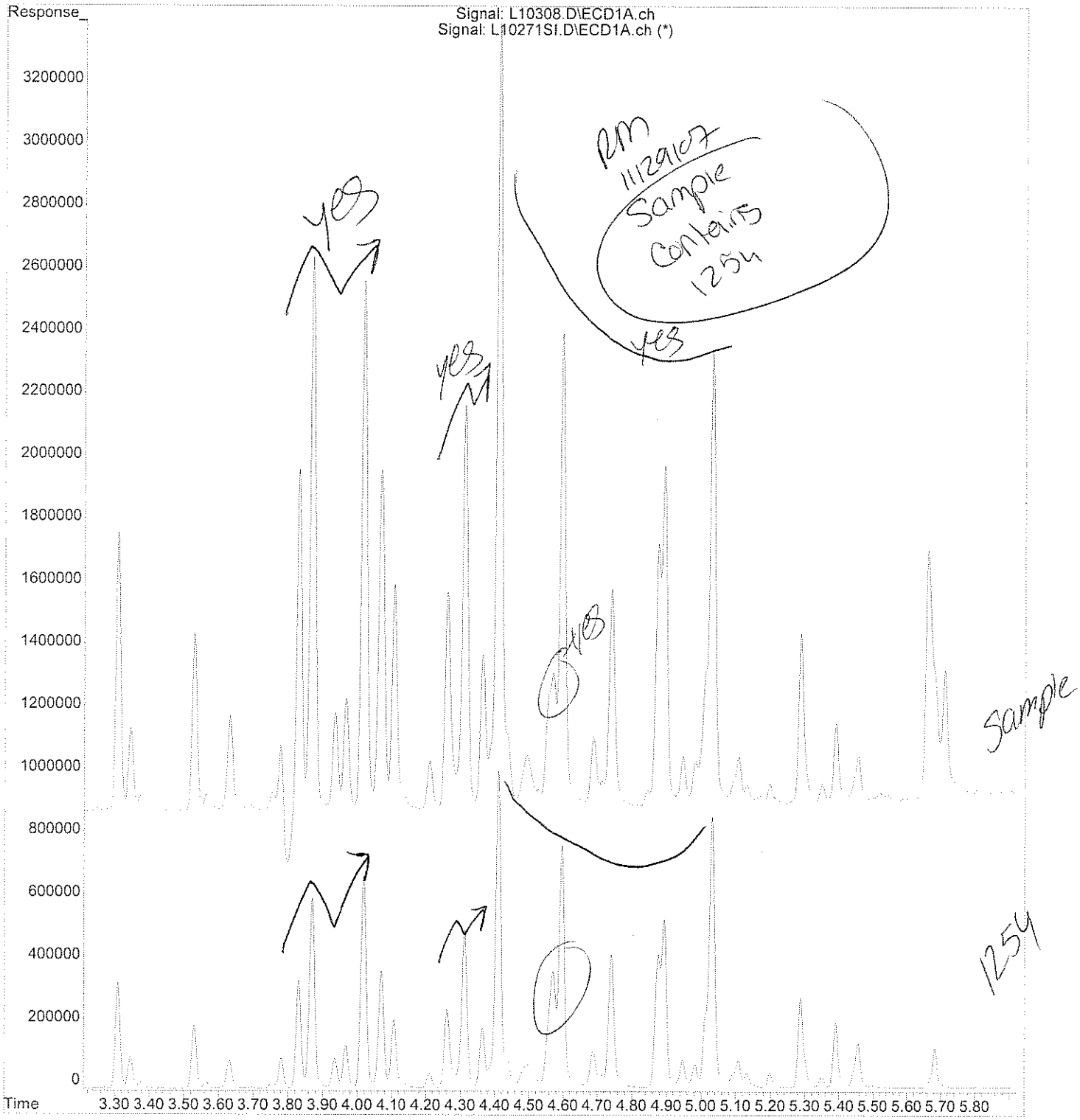
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 10:49:24 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10308.D
Operator :
Acquired : 27 Nov 07 10:08 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-16, A/C, DL, 1:50
Misc Info : SOIL
Vial Number: 43



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-17 DL
Matrix: Solid
Percent Solid: 96
Dilution Factor: 104
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/20/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-017

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	3430	U
PCB-1221	3430	U
PCB-1232	3430	U
PCB-1242	3430	U
PCB-1248	3430	U
PCB-1254	3430	**50600**
PCB-1260	3430	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-17, A/C, DL, 1:100

Data File: L10286.D

Dilution Factor: 104.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	50639	43713	14.7	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

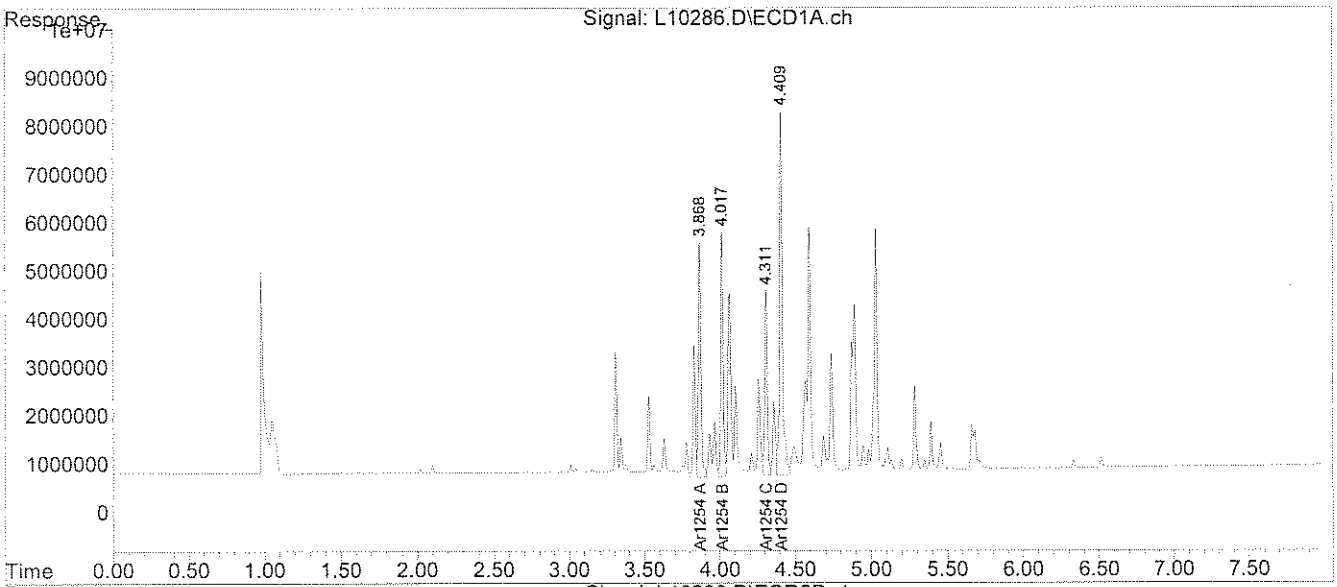
Comments: _____

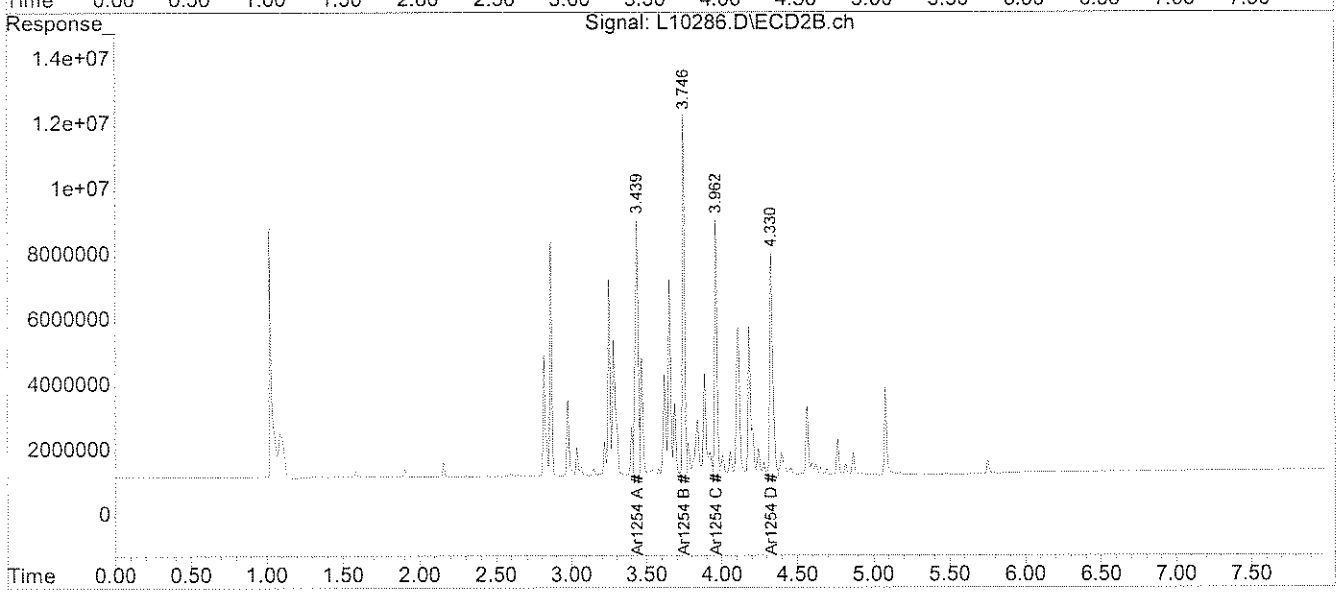
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 6:22 pm
Operator :
Sample : 60249-17, A/C, DL, 1:100
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

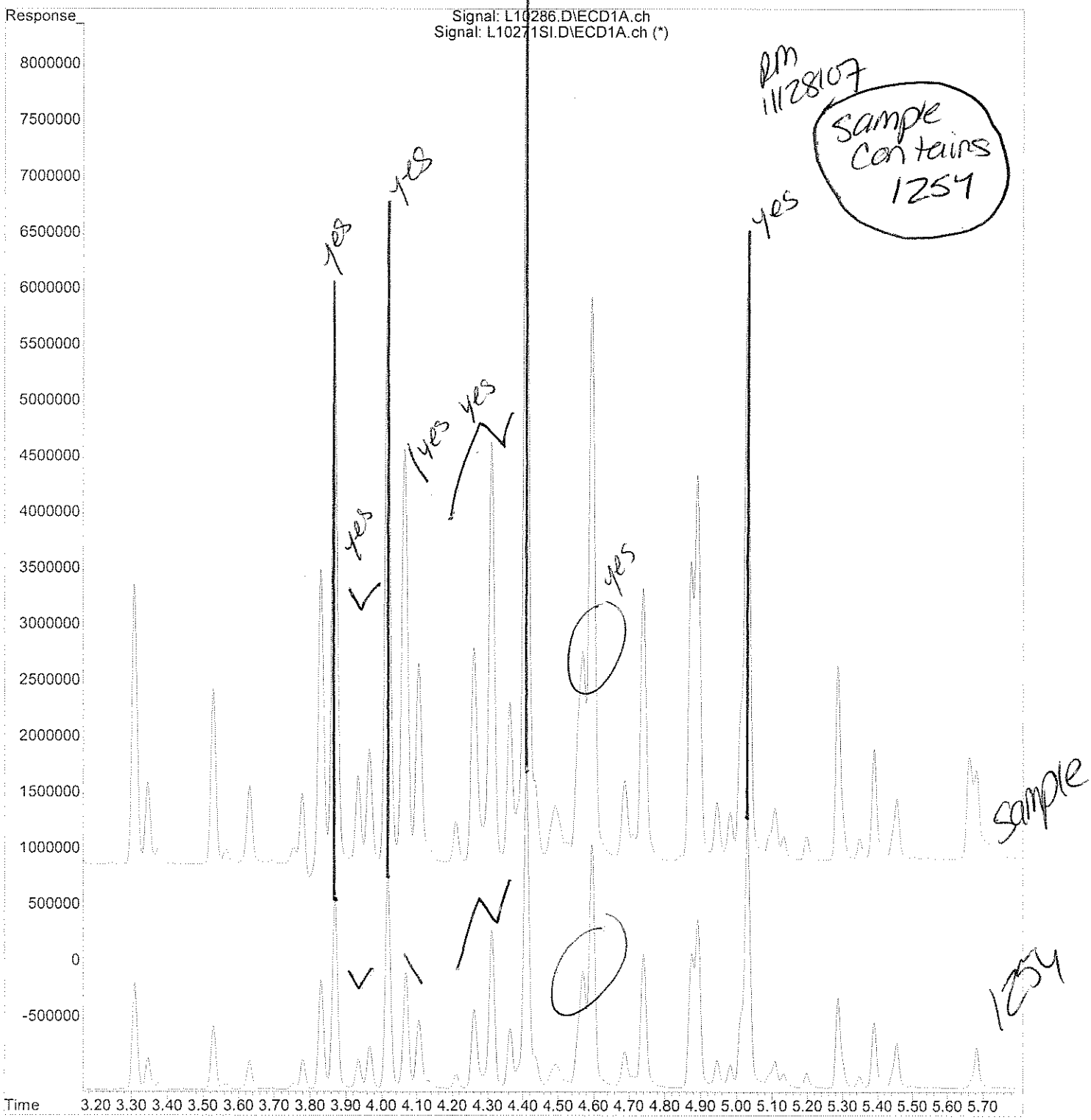
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:21 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10286.D
Operator :
Acquired : 27 Nov 07 6:22 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-17, A/C, DL, 1:100
Misc Info : SOIL
Vial Number: 24



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December 10, 2007

SAMPLE DATA

Lab Sample ID:	60249-18 DL
Matrix:	Solid
Percent Solid:	95
Dilution Factor:	210
Collection Date:	11/15/07
Lab Receipt Date:	11/16/07
Extraction Date:	11/20/07
Analysis Date:	11/27/07

CLIENT SAMPLE ID

Project Name:	Lincoln Labs
Project Number:	210792
Field Sample ID:	MIT-NW-018

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	6930	U
PCB-1221	6930	U
PCB-1232	6930	U
PCB-1242	6930	U
PCB-1248	6930	U
PCB-1254	6930	**69800**
PCB-1260	6930	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-18, A/C, DL, 1:200

Data File: L10287.D

Dilution Factor: 210.3

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	69816	61598	12.5	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

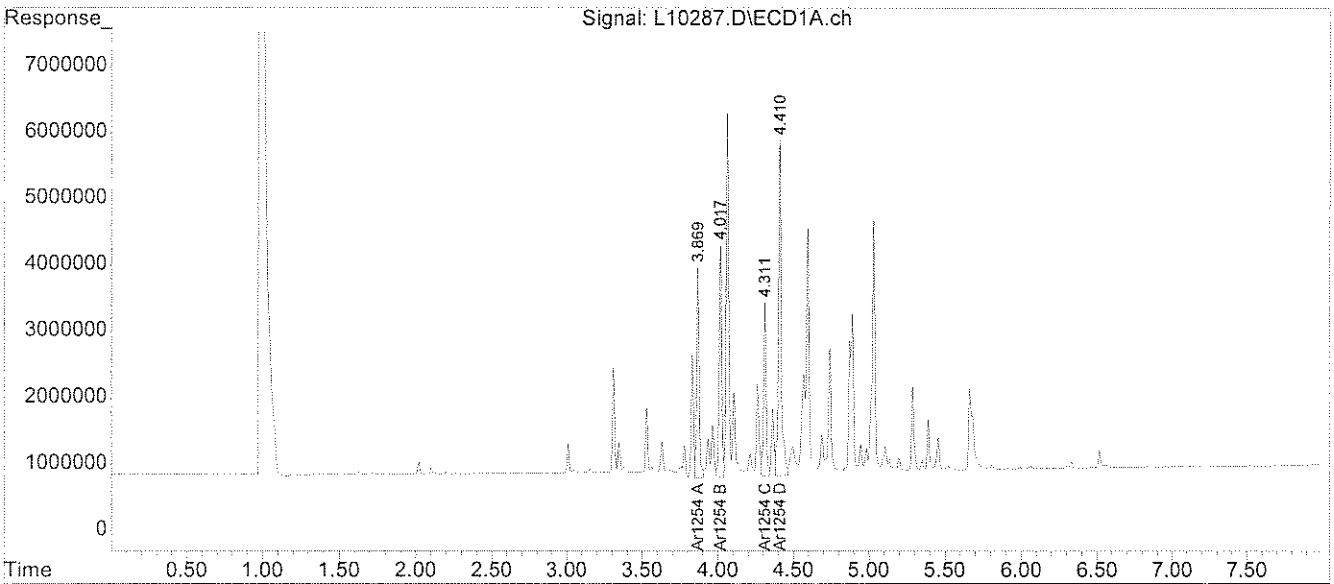
PCB FORM 10

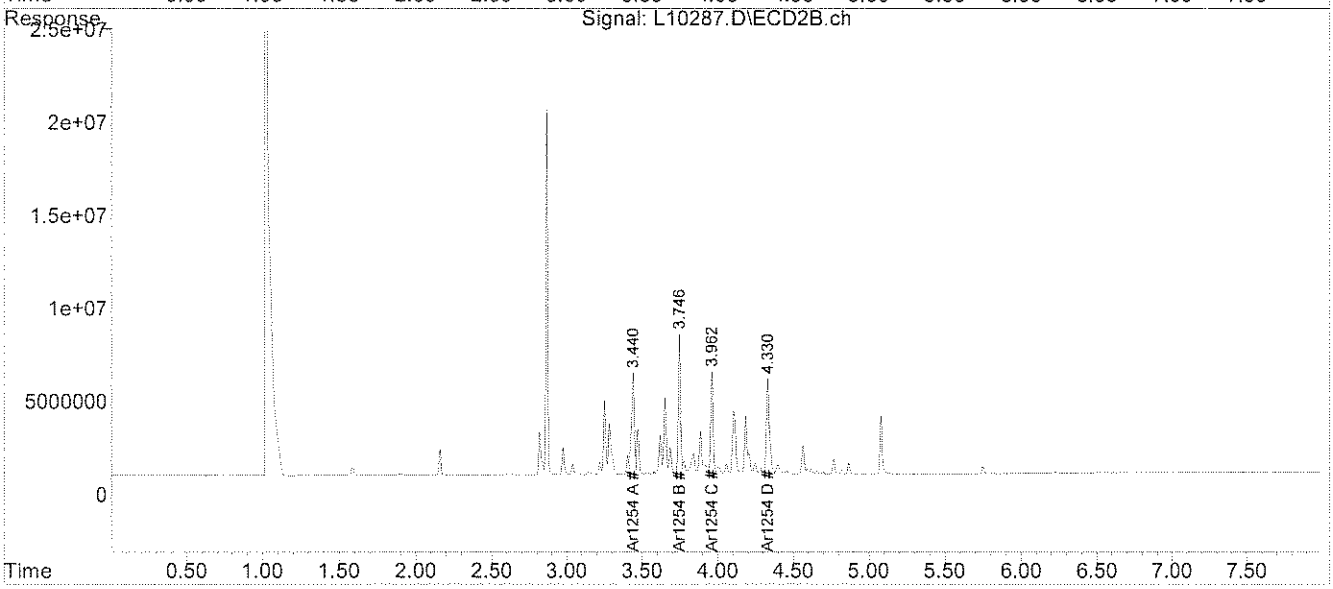
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 6:32 pm
Operator :
Sample : 60249-18, A/C, DL, 1:200
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

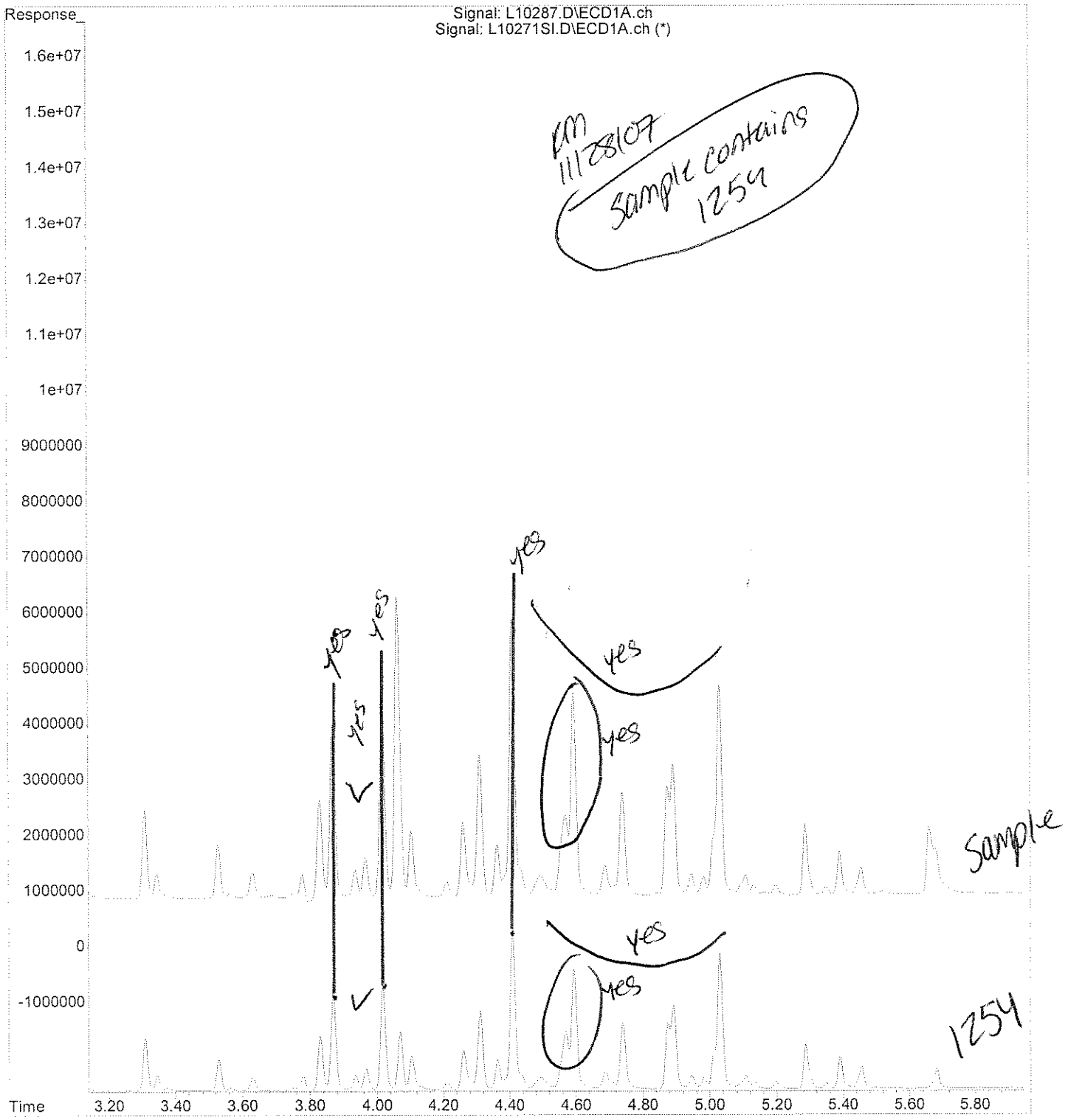
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:23 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10287.D
Operator :
Acquired : 27 Nov 07 6:32 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-18, A/C, DL, 1:200
Misc Info : SOIL
Vial Number: 25



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-19 DL
Matrix: Solid
Percent Solid: 98
Dilution Factor: 484
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/20/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-019

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	16000	U
PCB-1221	16000	U
PCB-1232	16000	U
PCB-1242	16000	U
PCB-1248	16000	U
PCB-1254	16000	**220000**
PCB-1260	16000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-19, A/C, DL, 1:500

Data File: L10298.D

Dilution Factor: 483.5

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	219751	206309	6.3	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

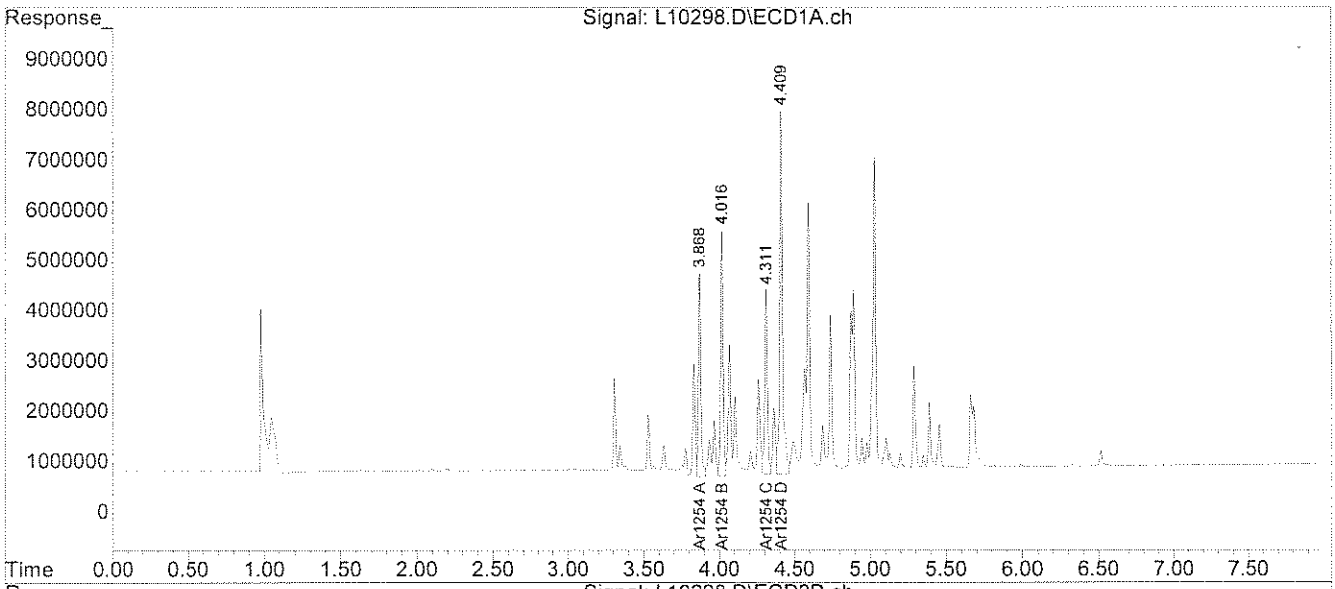
PCB FORM 10

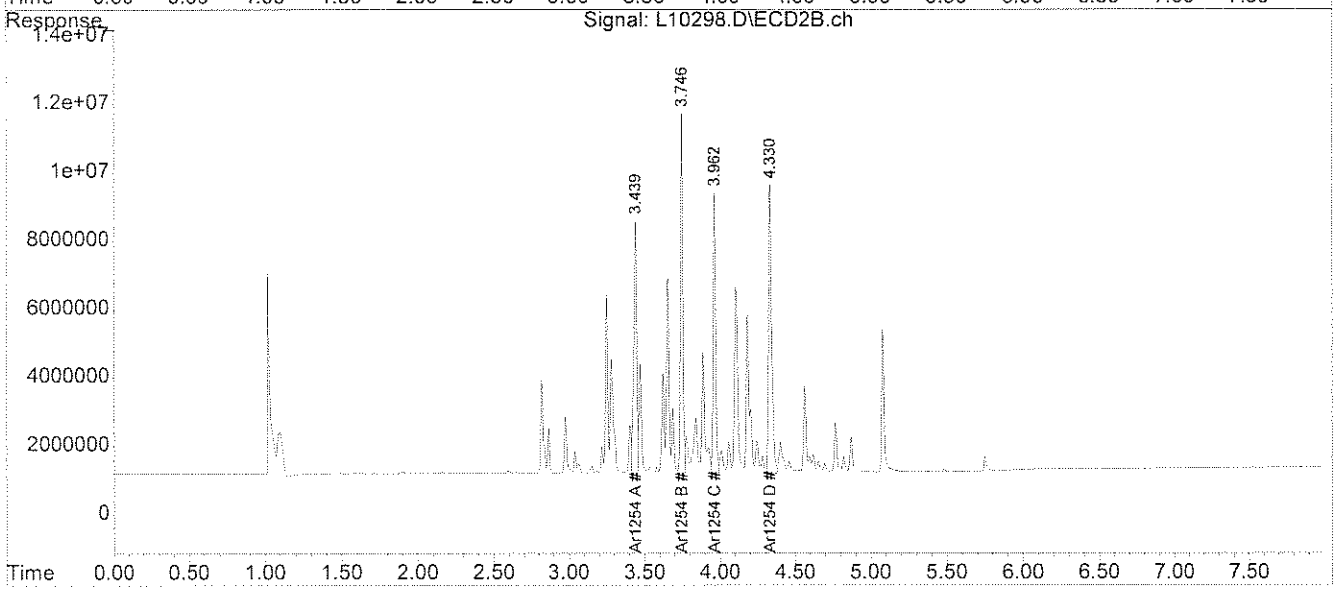
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 8:25 pm
Operator :
Sample : 60249-19, A/C, DL, 1:500
Misc : SOIL
ALS Vial : 36 Sample Multiplier: 1

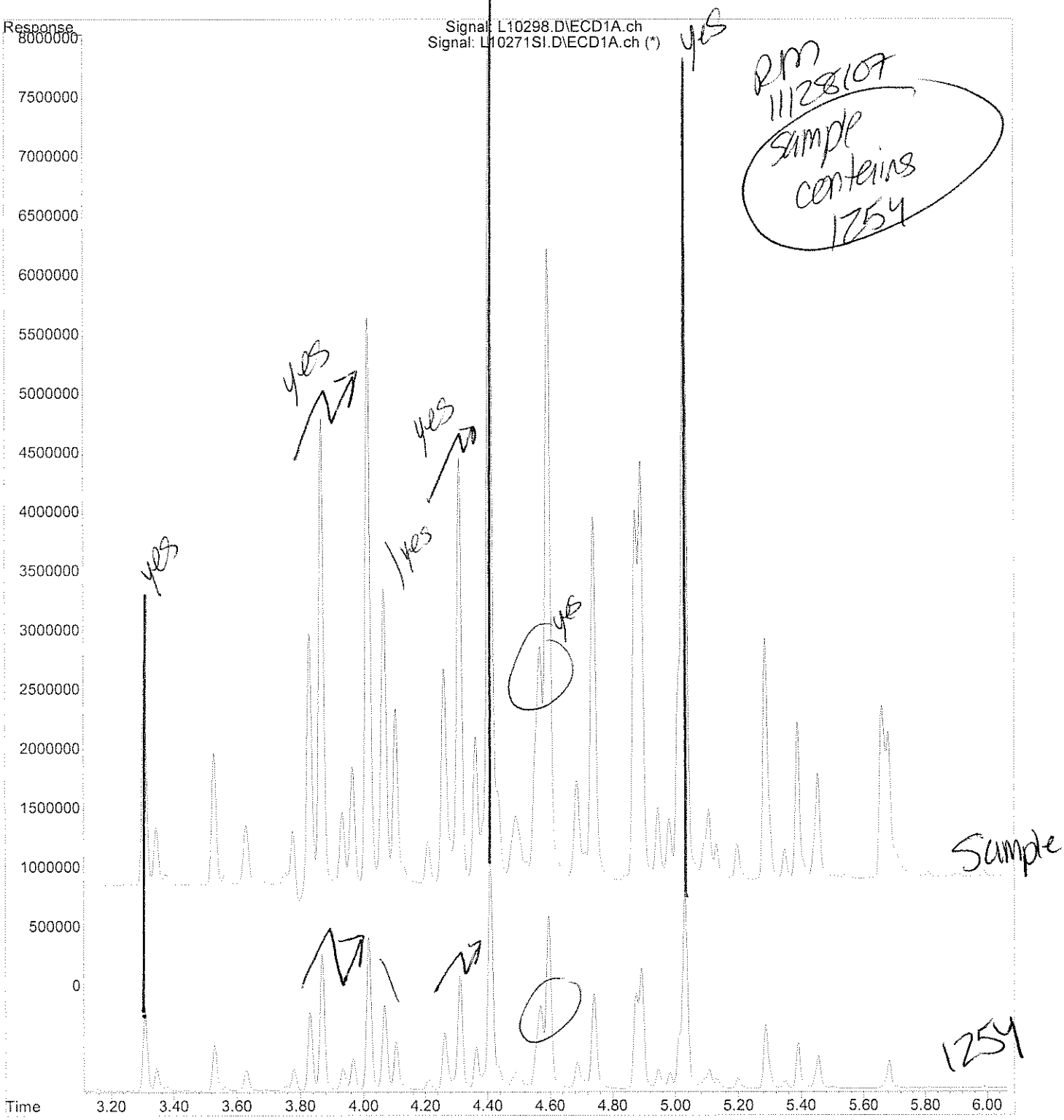
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:45 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10298.D
Operator :
Acquired : 27 Nov 07 8:25 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-19, A/C, DL, 1:500
Misc Info : SOIL
Vial Number: 36



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-20 DL
Matrix: Solid
Percent Solid: 97
Dilution Factor: 990
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/20/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-020

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	32700	U
PCB-1221	32700	U
PCB-1232	32700	U
PCB-1242	32700	U
PCB-1248	32700	U
PCB-1254	32700	**317000**
PCB-1260	32700	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-20, A/C, DL, 1:1000

Data File: L10299.D

Dilution Factor: 990.4

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	317325	294958	7.3	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

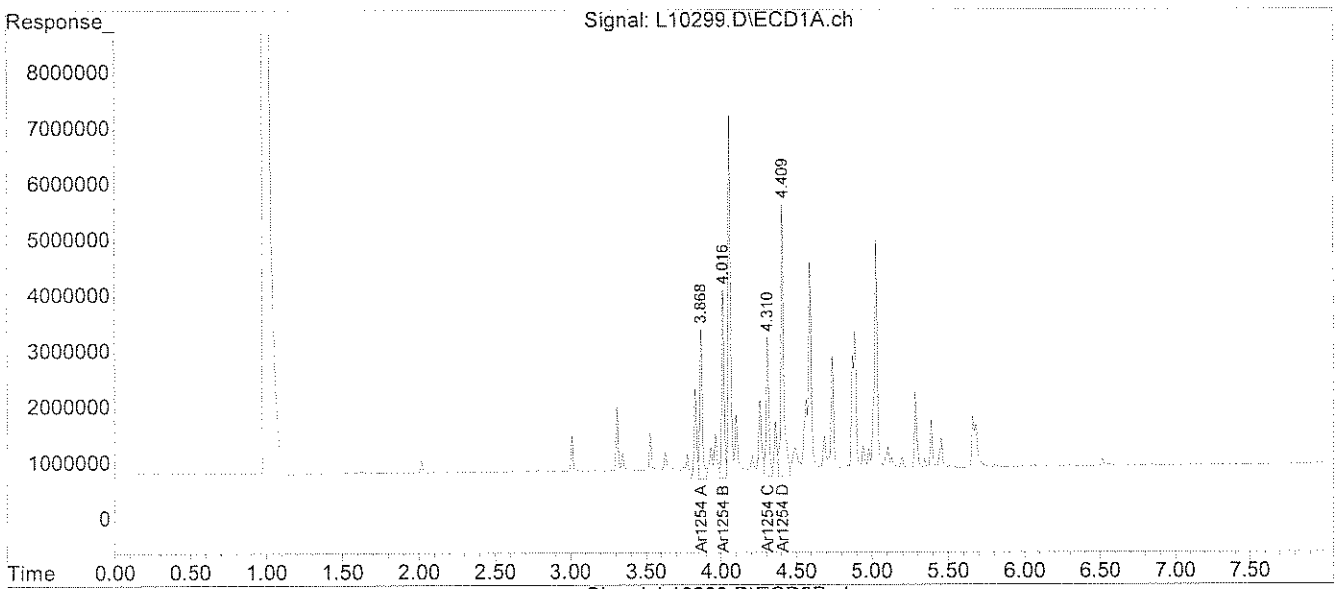
PCB FORM 10

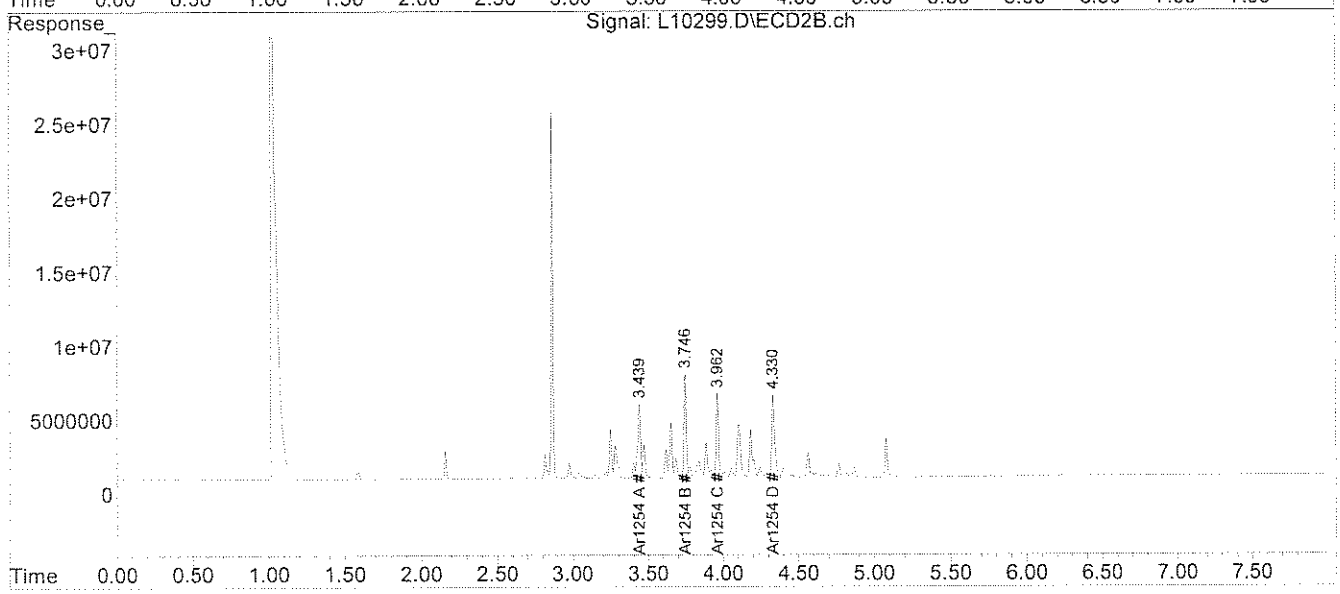
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 8:35 pm
Operator :
Sample : 60249-20, A/C, DL, 1:1000
Misc : SOIL
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:47 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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File        :C:\msdchem\1\DATA\112707-L\L10299.D
Operator    :
Acquired    : 27 Nov 07   8:35 pm using AcqMethod PESTTEST.M
Instrument  :   Inst L
Sample Name: 60249-20, A/C, DL, 1:1000
Misc Info   : SOIL
Vial Number: 37
```

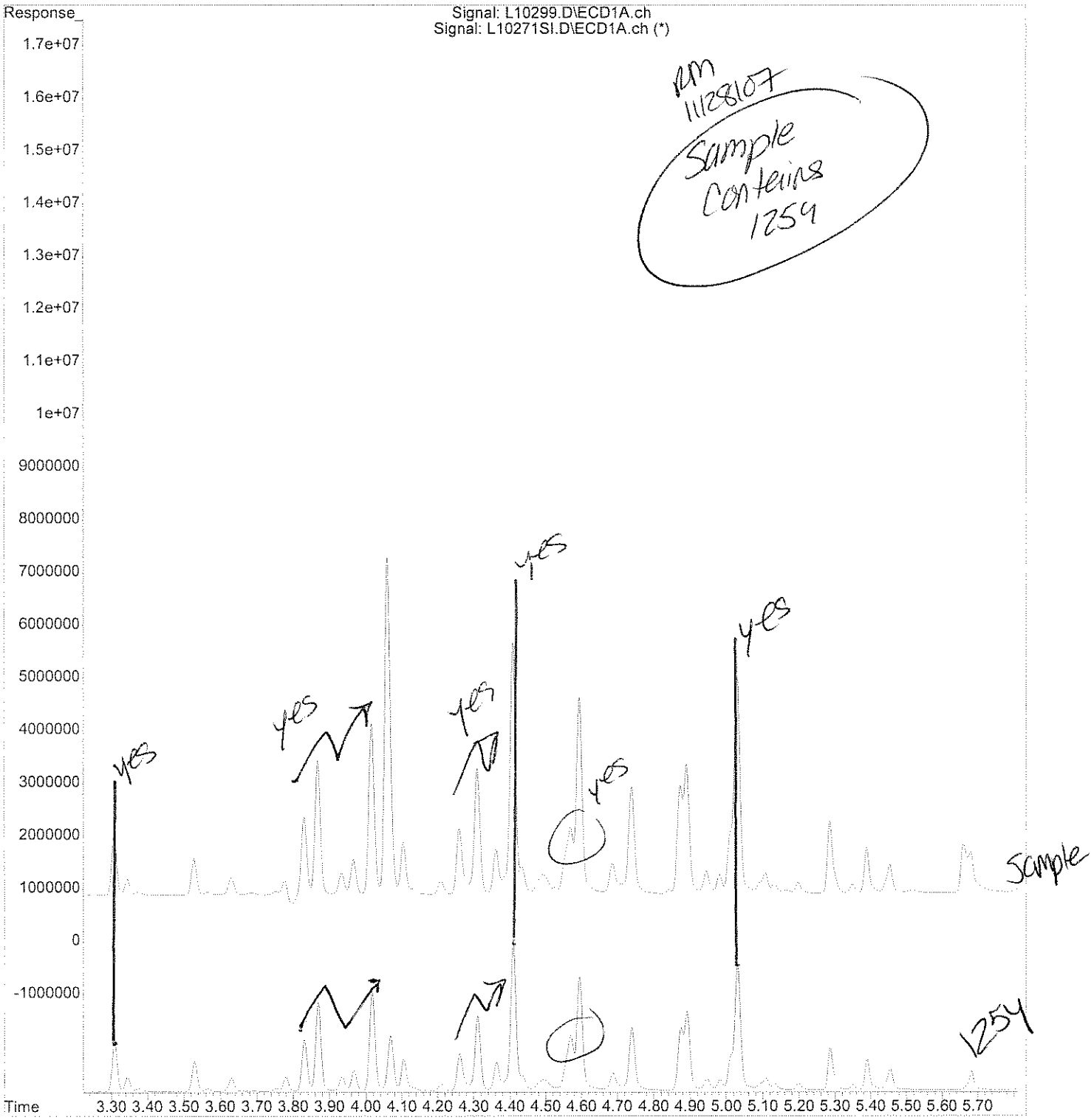

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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-21 DL
Matrix: Solid
Percent Solid: 96
Dilution Factor: 515
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/20/07
Analysis Date: 11/27/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-NW-051

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	17000	U
PCB-1221	17000	U
PCB-1232	17000	U
PCB-1242	17000	U
PCB-1248	17000	U
PCB-1254	17000	**223000**
PCB-1260	17000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature M Lundall

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-21, A/C, DL, 1:500

Data File: L10300.D

Dilution Factor: 514.5

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	222936	196910	12.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

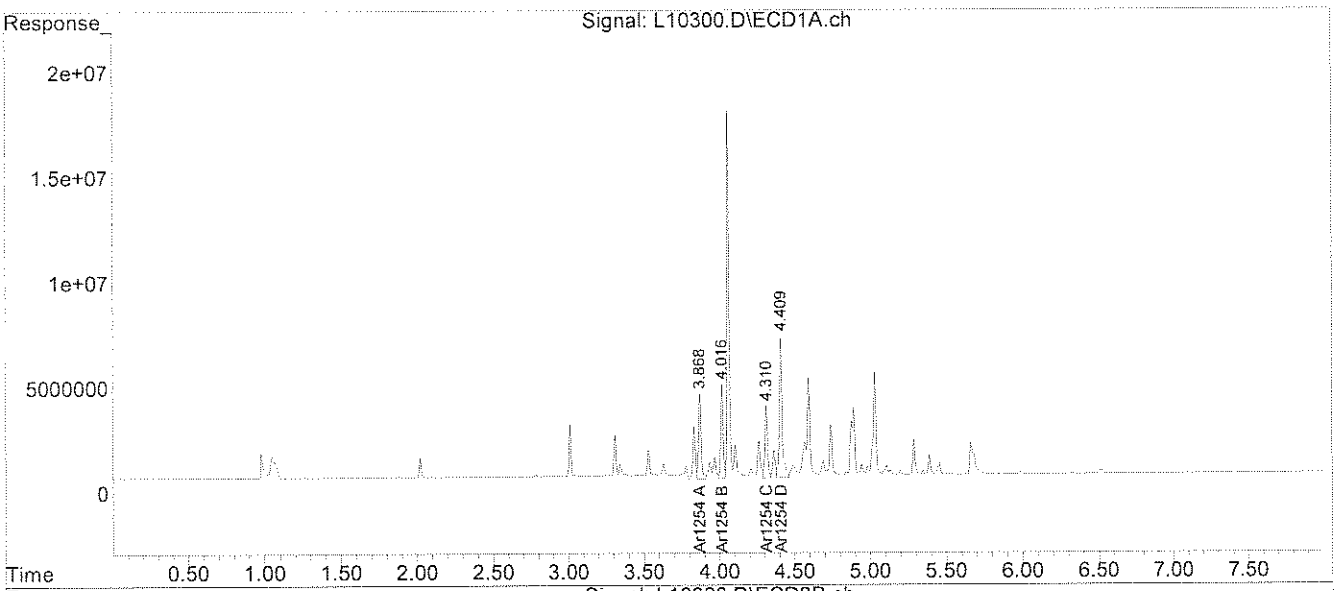
PCB FORM 10

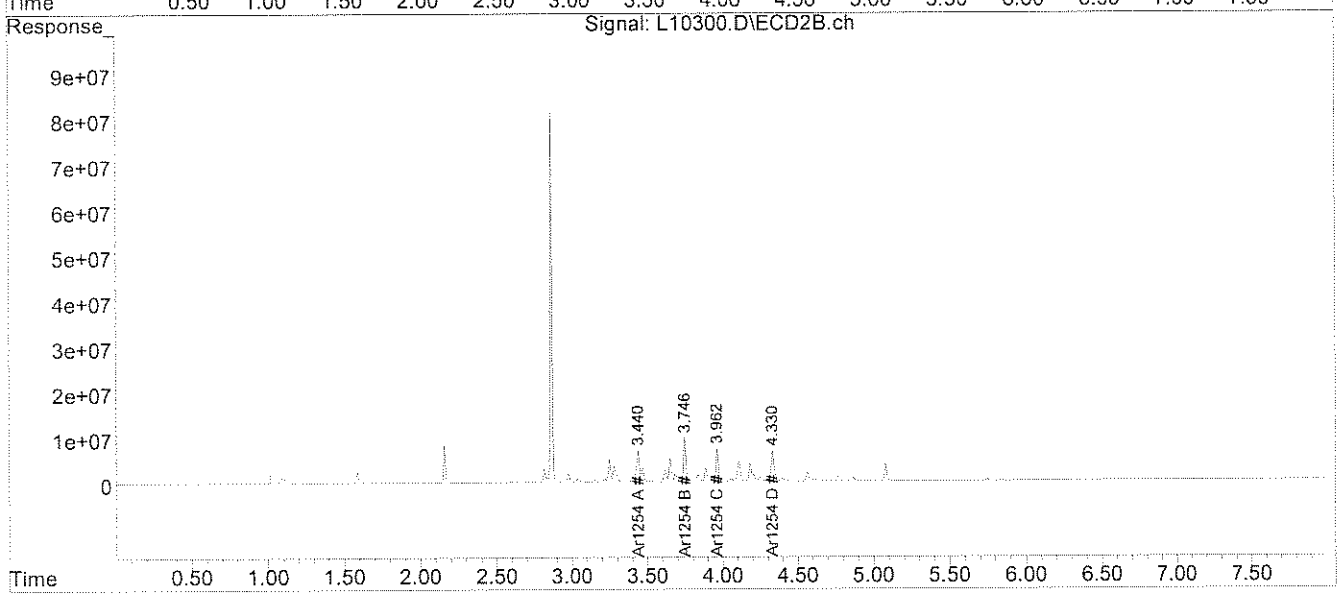
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 8:45 pm
Operator :
Sample : 60249-21, A/C, DL, 1:500
Misc : SOIL
ALS Vial : 38 Sample Multiplier: 1

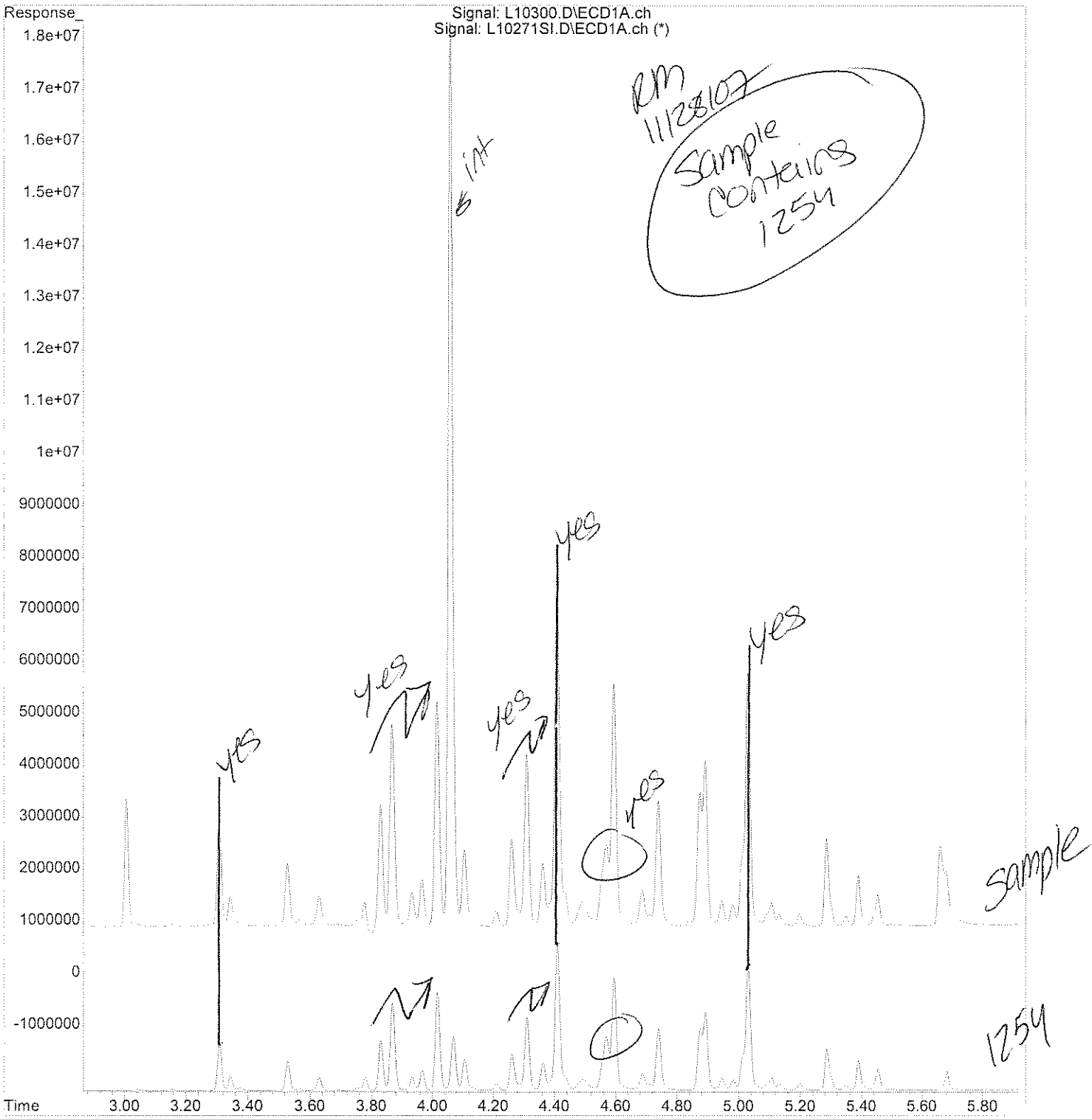
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 28 08:08:49 2007
Quant Method : C:\msdchem\1\METHODS\54SP11277.M
Quant Title :
QLast Update : Wed Nov 28 08:06:34 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





File :C:\msdchem\1\DATA\112707-L\L10300.D
Operator :
Acquired : 27 Nov 07 8:45 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-21, A/C, DL, 1:500
Misc Info : SOIL
Vial Number: 38



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-22 DL
Matrix: Solid
Percent Solid: 96
Dilution Factor: 5140
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/20/07
Analysis Date: 11/28/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-017

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	170000	U
PCB-1221	170000	U
PCB-1232	170000	U
PCB-1242	170000	U
PCB-1248	170000	**1510000**
PCB-1254	170000	U
PCB-1260	170000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature M Glendall

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-22, A/C, DL, 1:5000

Data File: L10330.D

Dilution Factor: 5141.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	1513545	1387837	8.7	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

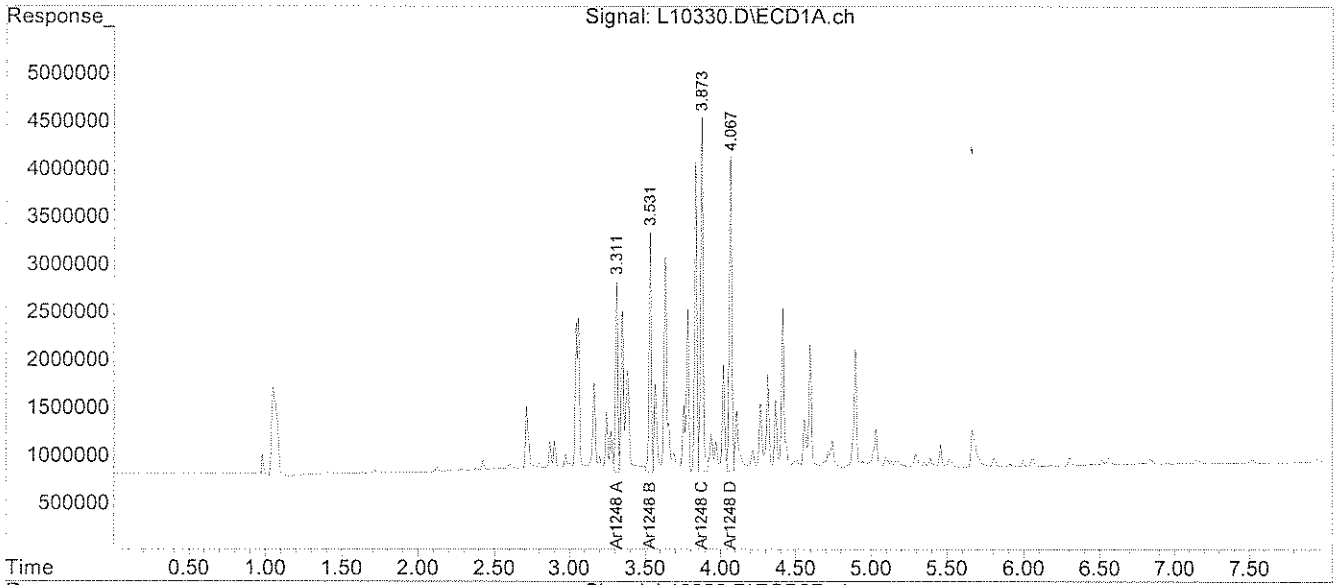
Comments: _____

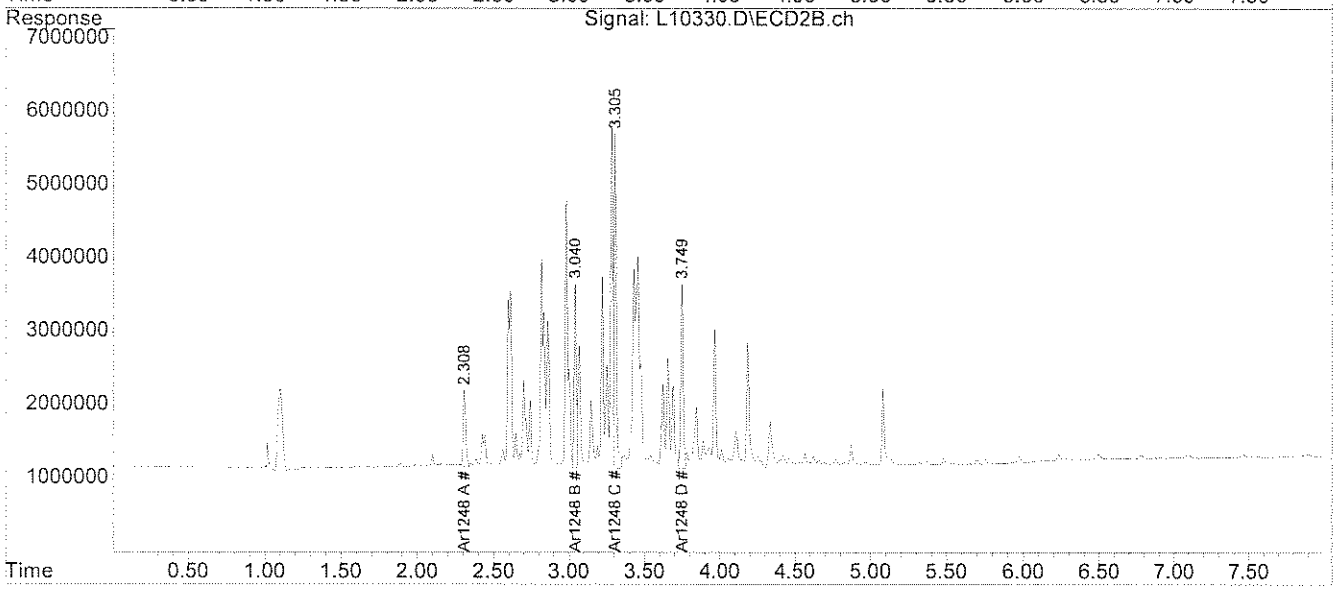
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Nov 07 12:00 pm
Operator :
Sample : 60249-22, A/C, DL, 1:5000
Misc : SOIL
ALS Vial : 56 Sample Multiplier: 1

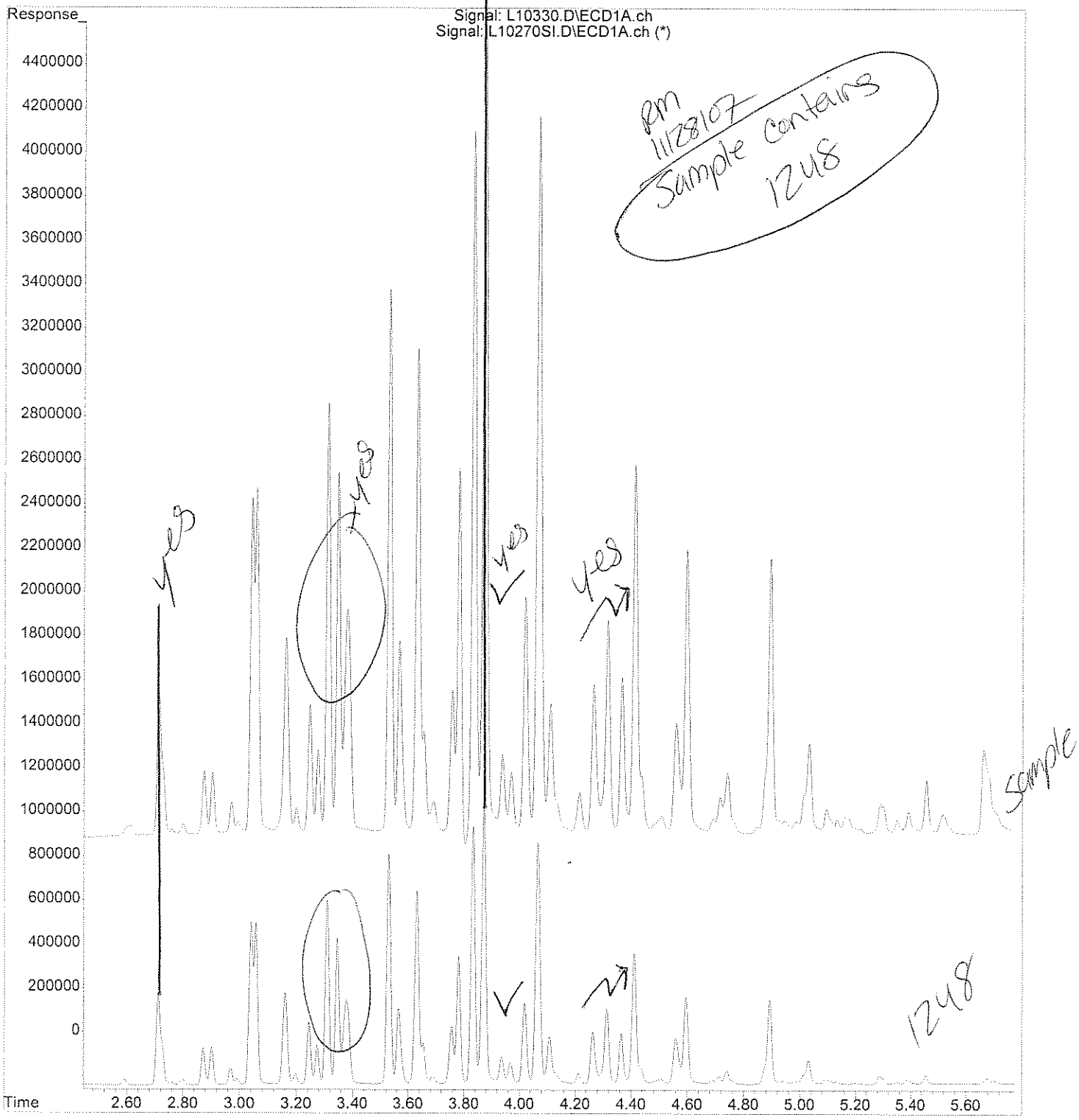
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 28 12:31:13 2007
Quant Method : C:\msdchem\1\METHODS\48SP11277H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 28 08:45:02 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\msdchem\1\DATA\112707-L\L10330.D
Operator :
Acquired : 28 Nov 07 12:00 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-22, A/C, DL, 1:5000
Misc Info : SOIL
Vial Number: 56



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November 30, 2007

SAMPLE DATA

Lab Sample ID: 60249-23 DL
Matrix: Solid
Percent Solid: 97
Dilution Factor: 5040
Collection Date: 11/15/07
Lab Receipt Date: 11/16/07
Extraction Date: 11/20/07
Analysis Date: 11/28/07

CLIENT SAMPLE ID

Project Name: Lincoln Labs
Project Number: 210792
Field Sample ID: MIT-SW-018

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	166000	U
PCB-1221	166000	U
PCB-1232	166000	U
PCB-1242	166000	U
PCB-1248	166000	**1460000**
PCB-1254	166000	U
PCB-1260	166000	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-23, A/C, DL, 1:5000

Data File: L10328.D

Dilution Factor: 5040.4

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	1464651	1287361	12.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

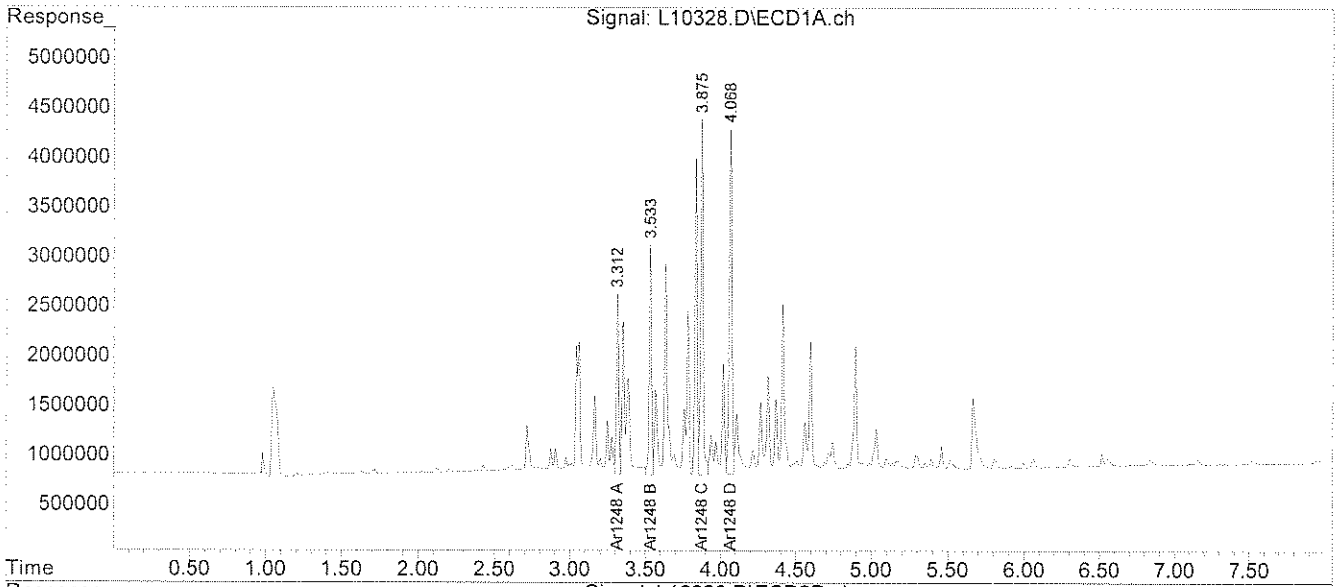
Comments: _____

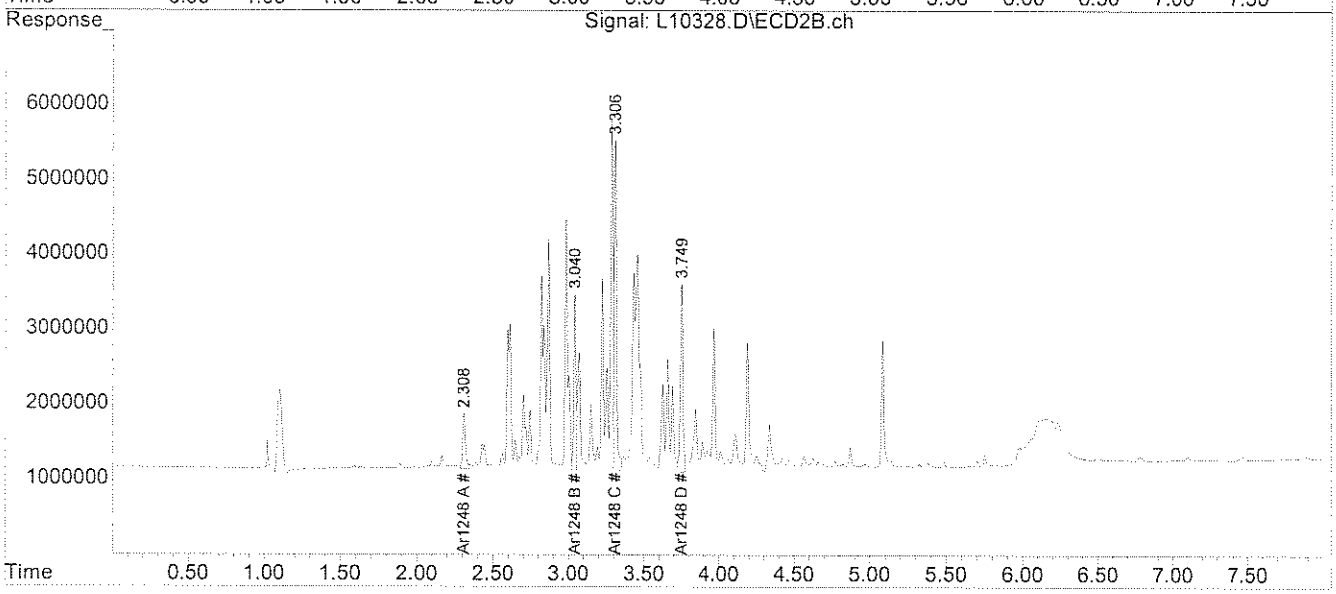
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Nov 07 11:40 am
Operator :
Sample : 60249-23, A/C, DL, 1:5000
Misc : SOIL
ALS Vial : 54 Sample Multiplier: 1

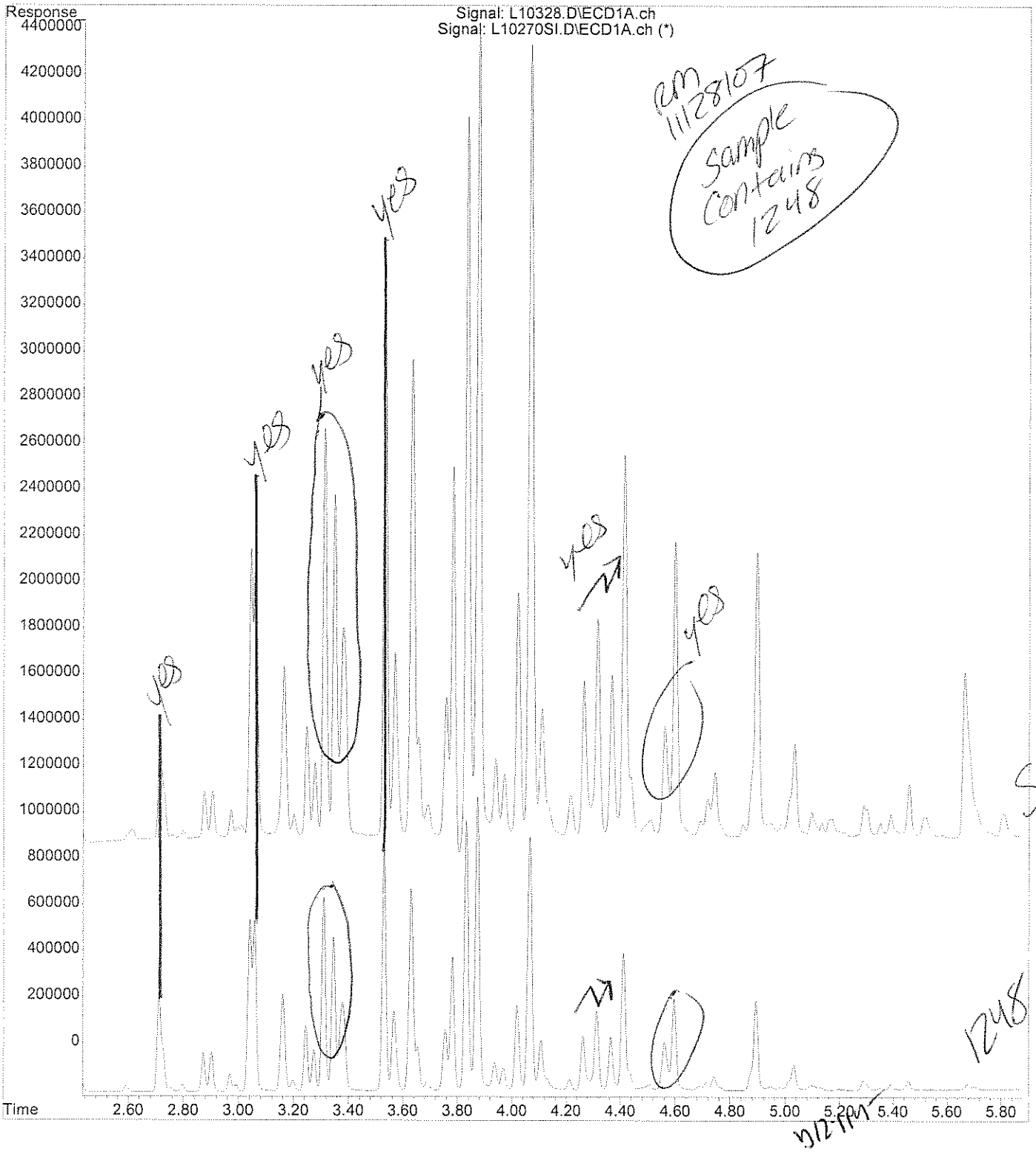
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 28 12:30:46 2007
Quant Method : C:\msdchem\1\METHODS\48SP11277H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 28 08:45:02 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\msdchem\1\DATA\112707-L\L10328.D
Operator :
Acquired : 28 Nov 07 11:40 am using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-23, A/C, DL, 1:5000
Misc Info : SOIL
Vial Number: 54



PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-24, A/C, DL, 1:400

Data File: L10326.D

Dilution Factor: 411.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	128549	79414	47.3	*

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

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December 11, 2007

SAMPLE DATA

Lab Sample ID:	60249-24 DL
Matrix:	Solid
Percent Solid:	97
Dilution Factor:	411
Collection Date:	11/15/07
Lab Receipt Date:	11/16/07
Extraction Date:	11/20/07
Analysis Date:	11/28/07

CLIENT SAMPLE ID

Project Name:	Lincoln Labs
Project Number:	210792
Field Sample ID:	MIT-WW-020

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	13600	U
PCB-1221	13600	U
PCB-1232	13600	U
PCB-1242	13600	U
PCB-1248	13600	**128000 P**
PCB-1254	13600	U
PCB-1260	13600	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.* The surrogates were diluted out. P=Sample did not meet confirmation acceptance criteria for percent difference.

PCB Report

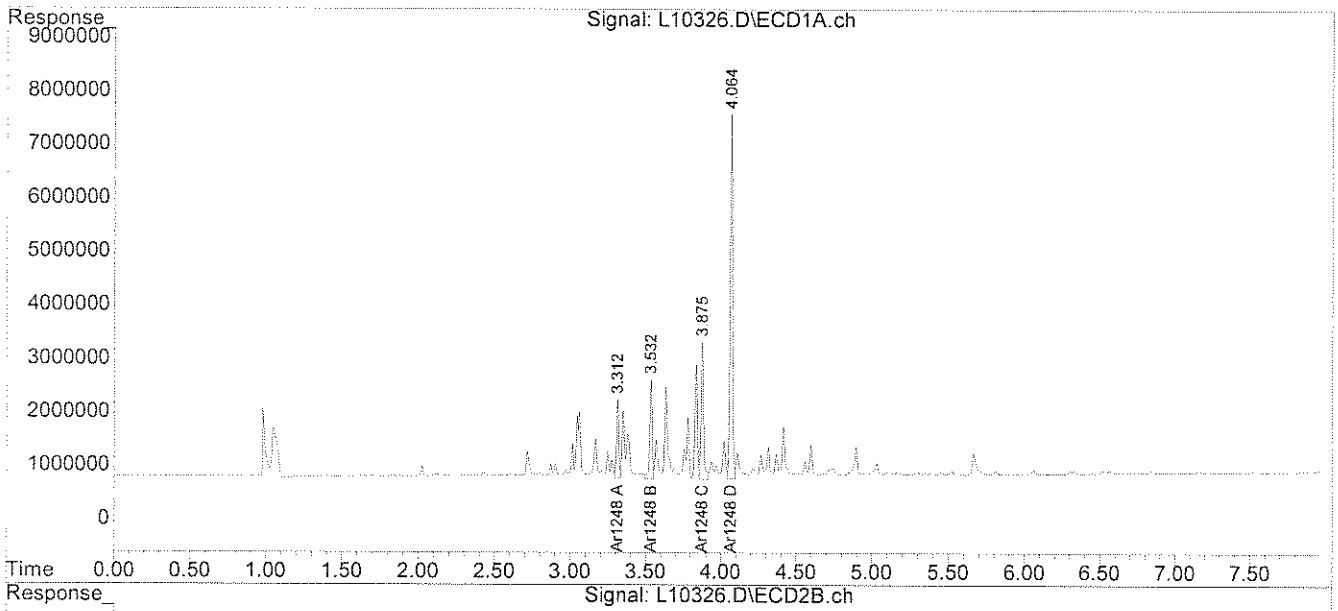
Authorized signature

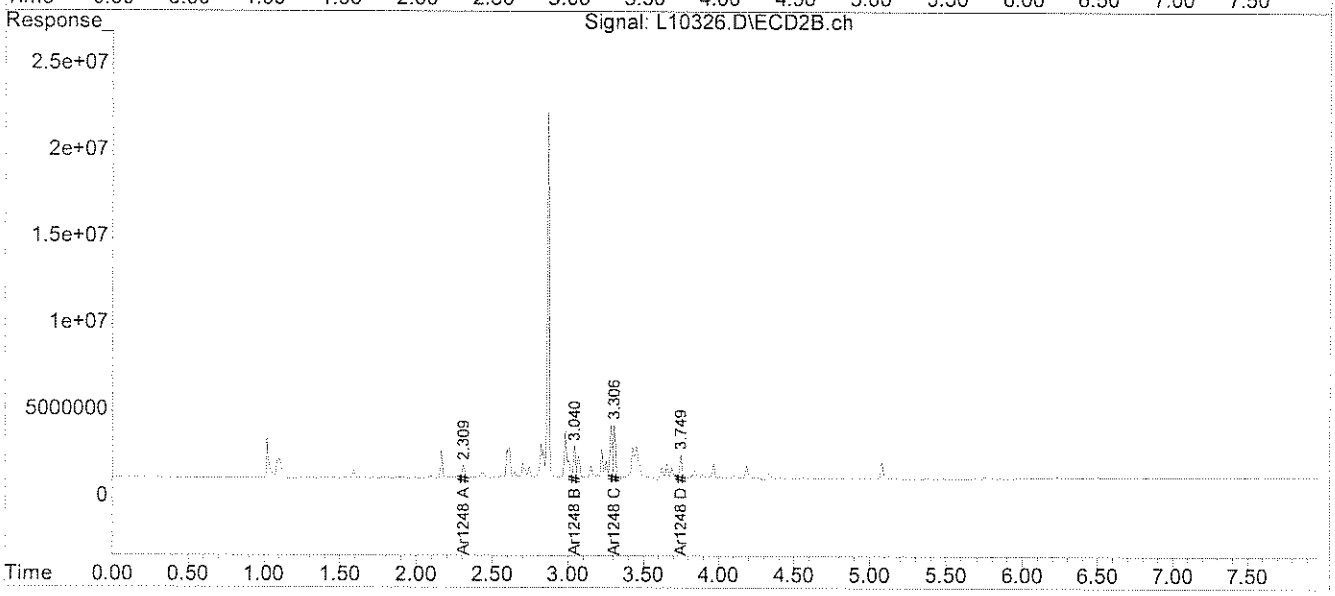
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Nov 07 11:06 am
Operator :
Sample : 60249-24, A/C, DL, 1:400
Misc : SOIL
ALS Vial : 53 Sample Multiplier: 1

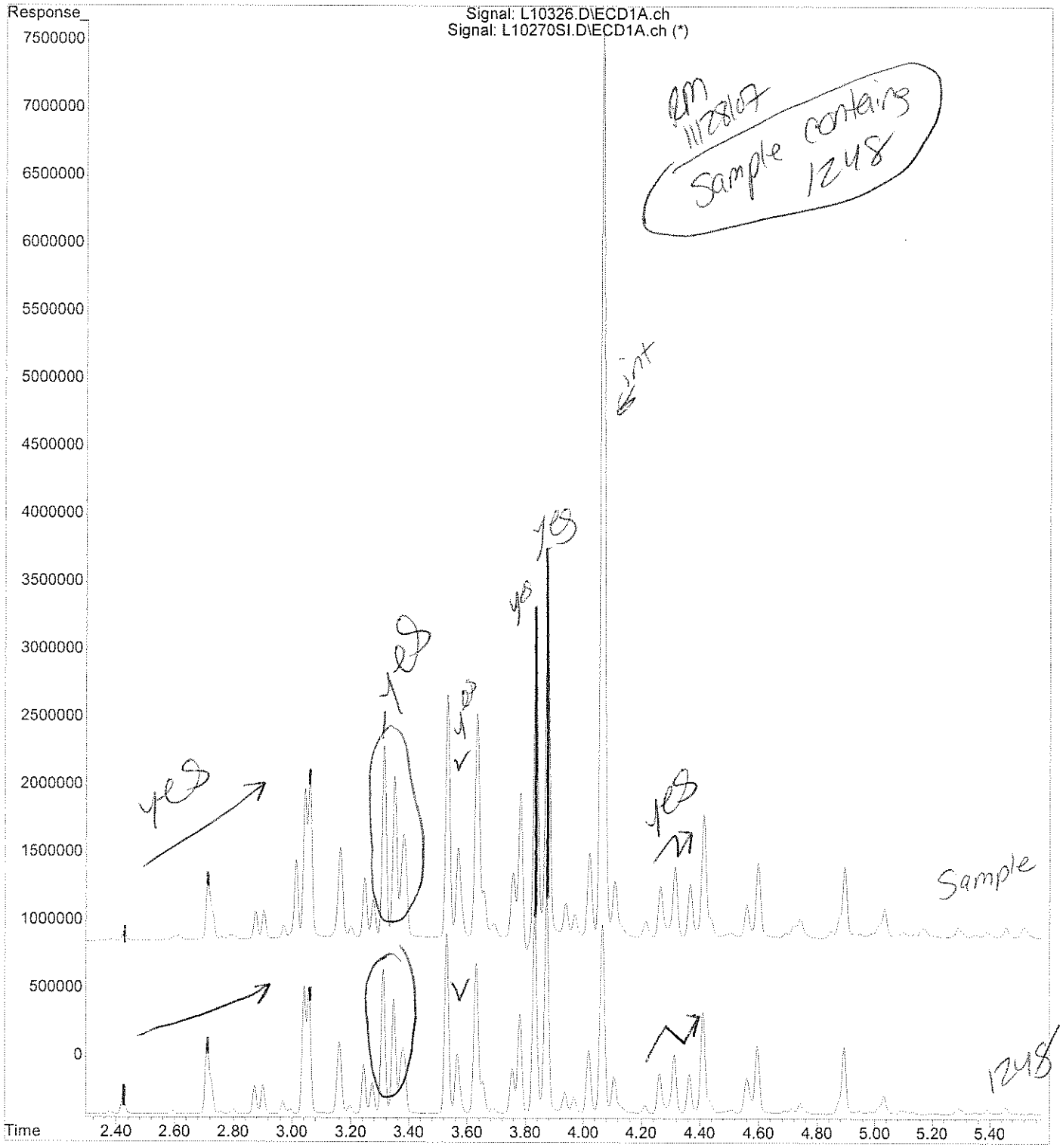
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 28 11:16:05 2007
Quant Method : C:\msdchem\1\METHODS\48SP11277H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 28 08:45:02 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\msdchem\1\DATA\112707-L\L10326.D
Operator :
Acquired : 28 Nov 07 11:06 am using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-24, A/C, DL, 1:400
Misc Info : SOIL
Vial Number: 53



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December 11, 2007

SAMPLE DATA

Lab Sample ID:	60249-25 DL
Matrix:	Solid
Percent Solid:	97
Dilution Factor:	507
Collection Date:	11/12/07
Lab Receipt Date:	11/16/07
Extraction Date:	11/20/07
Analysis Date:	11/27/07

CLIENT SAMPLE ID

Project Name:	Lincoln Labs
Project Number:	210792
Field Sample ID:	MIT-WW-008

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	16700	U
PCB-1221	16700	U
PCB-1232	16700	U
PCB-1242	16700	U
PCB-1248	16700	**158000**
PCB-1254	16700	U
PCB-1260	16700	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Sample: 60249-25, A/C, DL, 1:500

Data File: L10304.D

Dilution Factor: 507.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1248	158337	121455	26.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

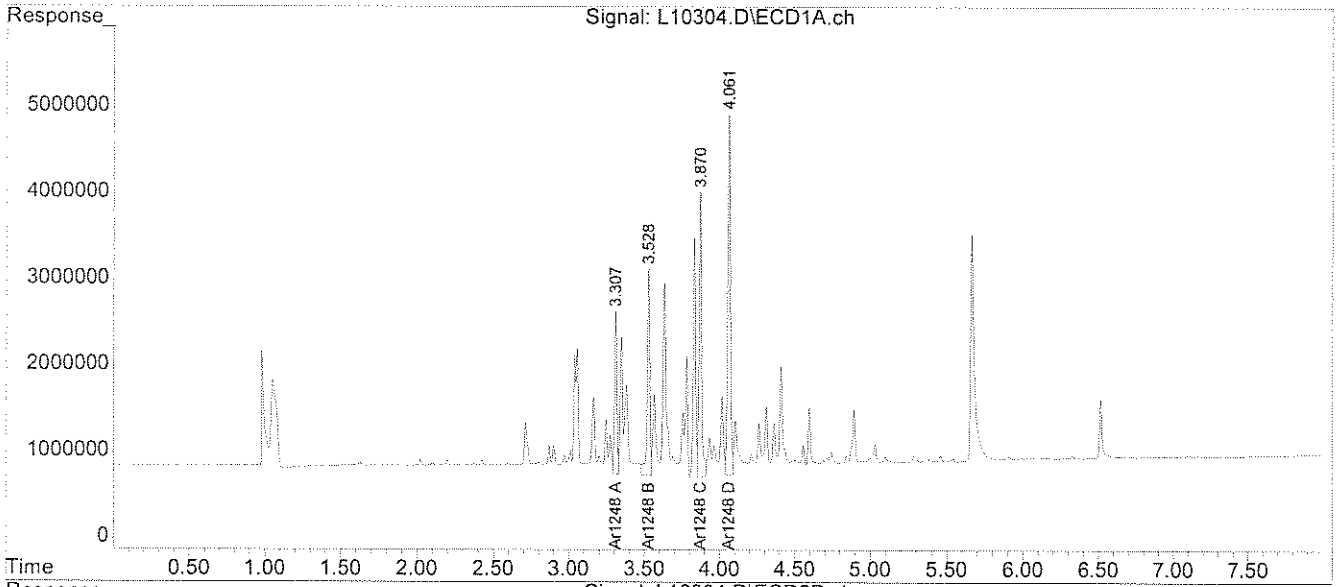
Comments: _____

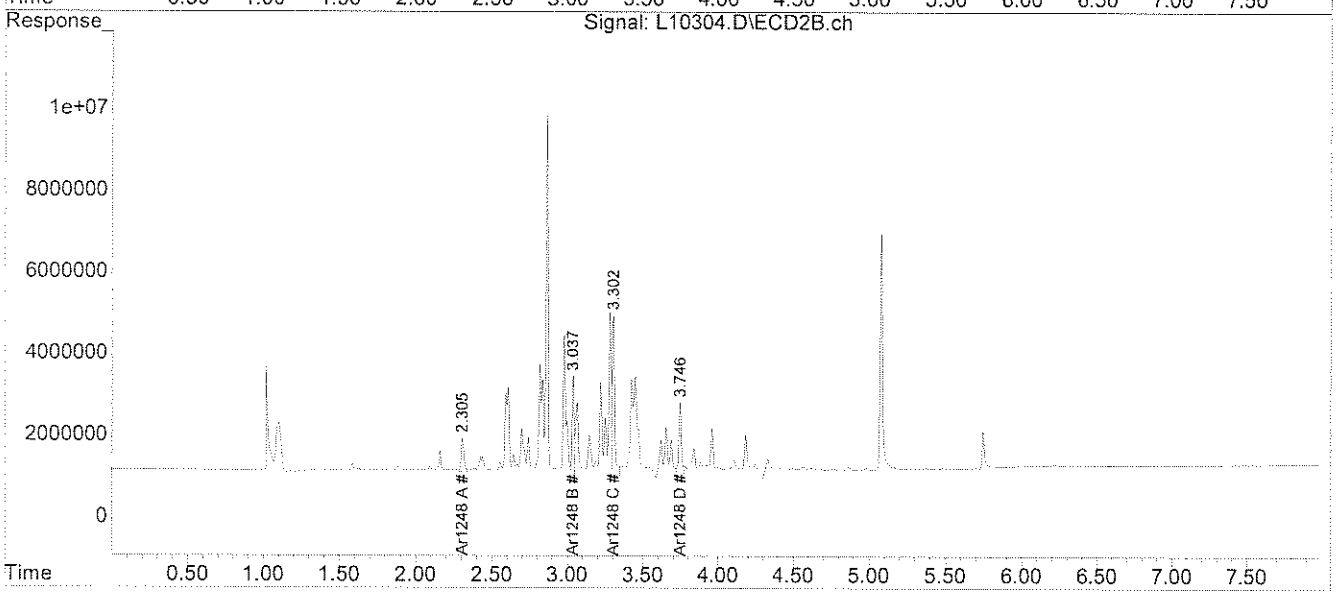
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112707-L\
Data File : L10304.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 07 9:26 pm
Operator :
Sample : 60249-25, A/C, DL, 1:500
Misc : SOIL
ALS Vial : 39 Sample Multiplier: 1

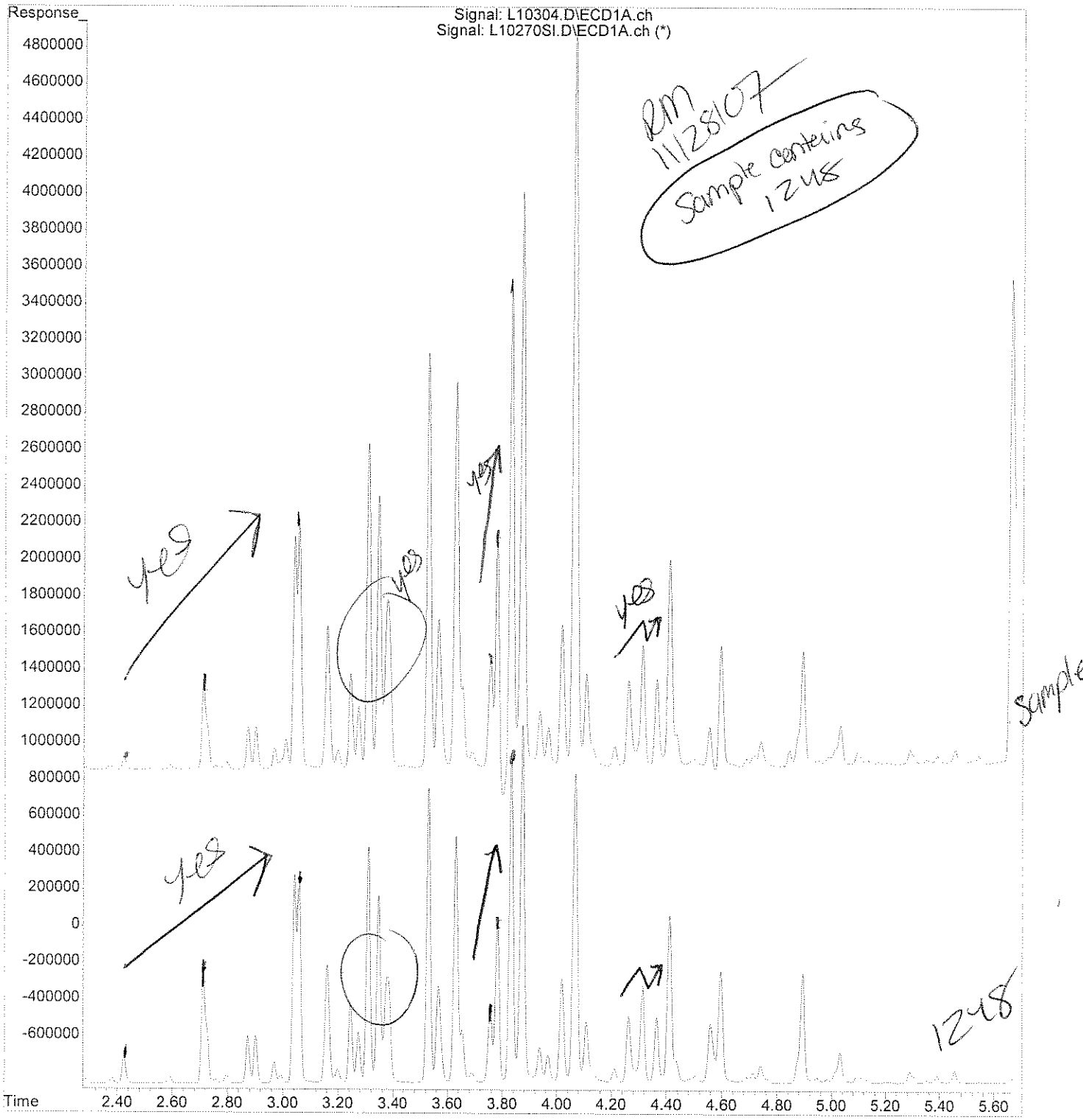
Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 28 11:07:40 2007
Quant Method : C:\msdchem\1\METHODS\48SP11277H.M
Quant Title : Aroclor 1248
QLast Update : Wed Nov 28 08:45:02 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





File :C:\msdchem\1\DATA\112707-L\L10304.D
Operator :
Acquired : 27 Nov 07 9:26 pm using AcqMethod PESTTEST.M
Instrument : Inst L
Sample Name: 60249-25, A/C, DL, 1:500
Misc Info : SOIL
Vial Number: 39



 12/11/07

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Amy Wallace
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

December 10, 2007

SAMPLE DATA

Lab Sample ID:	60249-26
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.2
Collection Date:	11/15/07
Lab Receipt Date:	11/16/07
Extraction Date:	11/16/07
Analysis Date:	11/21/07

CLIENT SAMPLE ID

Project Name:	Lincoln Labs
Project Number:	210792
Field Sample ID:	MIT-NW-090

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	90	%
Decachlorobiphenyl	44	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB Report

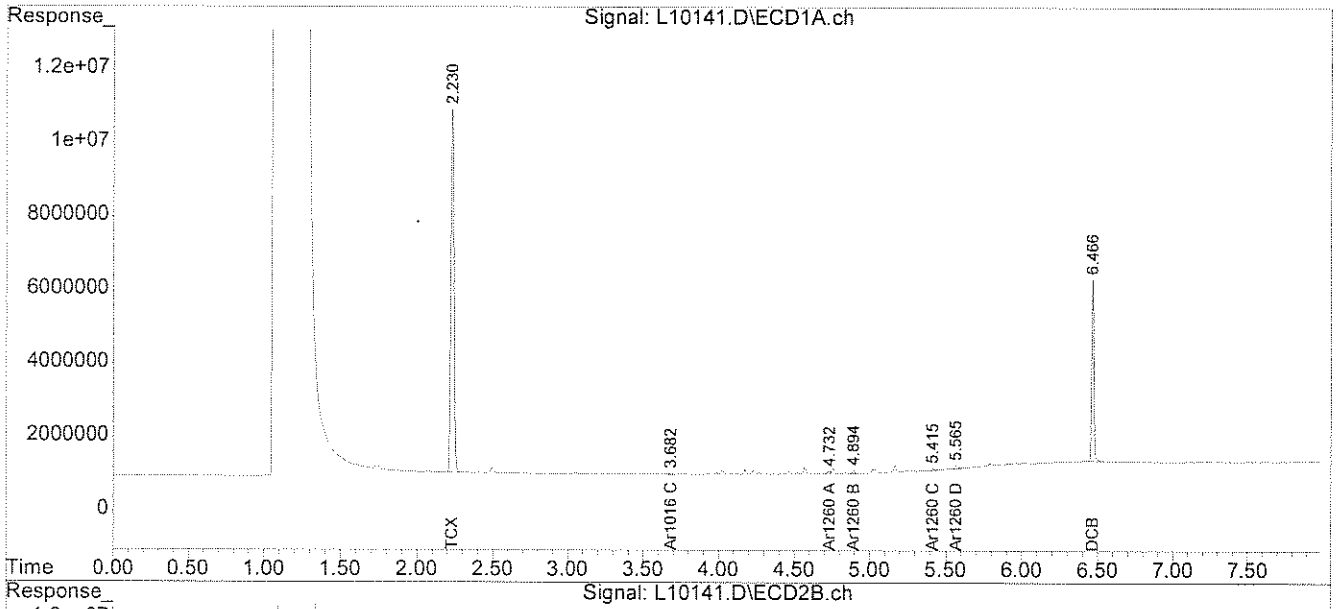
Authorized signature

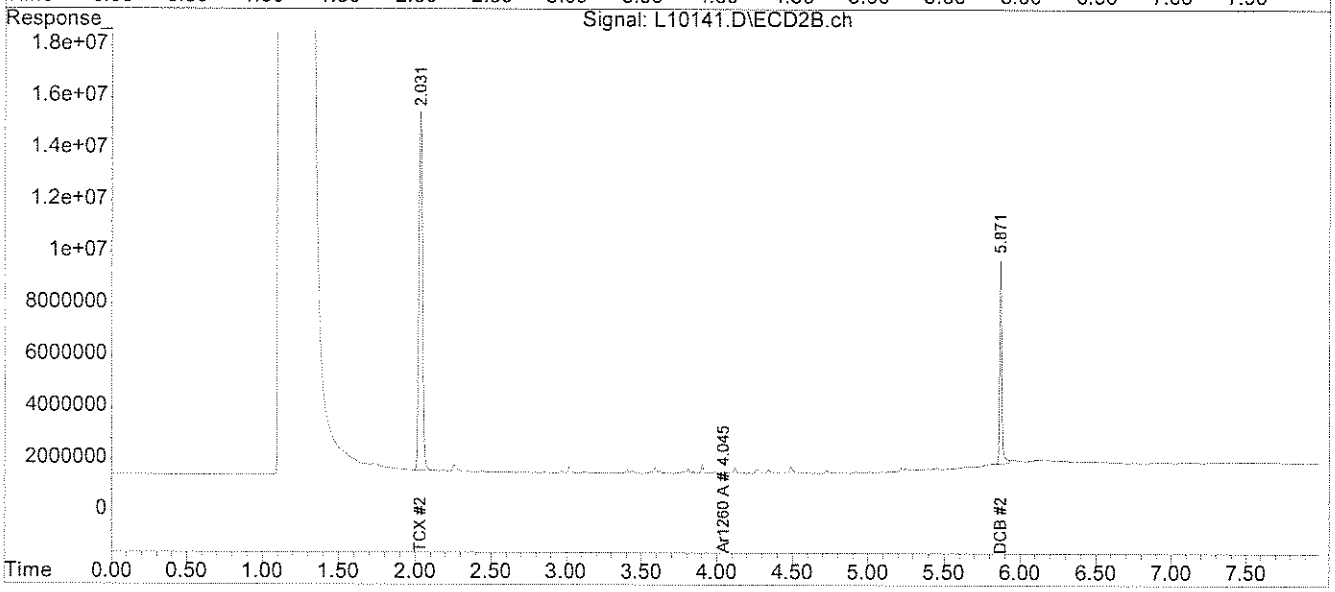
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\112107-L\
Data File : L10141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 07 10:30 am
Operator :
Sample : 60249-26,, A/C
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Nov 21 13:05:01 2007
Quant Method : C:\msdchem\1\METHODS\PB11197.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Nov 20 10:49:26 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film





PCB
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PCBQC.doc

PCB AQUEOUS
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Non-spiked sample: B11167PW,, RR2 A/C

Spike: L11167PW,, RR2 A/C

Spike duplicate: LD11167PW,, RR2 A/C

COMPOUND	LCS SPIKE ADDED (ug/L)	LCSD SPIKE ADDED (ug/L)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
PCB 1016	2.0	2.0	79	113	25	0.00	2.14	107		2.19	110		2.6	
PCB 1260	2.0	2.0	58	115	25	0.00	2.14	107		2.01	101		6.2	
PCB 1016 #2	2.0	2.0	81	112	25	0.00	1.95	97		1.89	94		3.1	
PCB 1260 #2	2.0	2.0	54	123	25	0.00	2.16	108		2.07	104		4.4	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been volume adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

PCB FORM 3

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Non-spiked sample: B11197PSOX,, A/C

Spike: L11197PSOX,, A/C

Spike duplicate: LD11197PSOX,, A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	210	105		218	109		3.5	
PCB 1260	200	200	60	130	30	0	208	104		222	111		6.6	
PCB 1016 #2	200	200	65	140	30	0	219	110		242	121		9.9	
PCB 1260 #2	200	200	60	130	30	0	216	108		229	115		5.8	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

PCB SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Non-spiked sample: 60249-8,,A/C

Spike: 60249-8,MS,,A/C

Spike duplicate: 60249-8,MSD,,A/C

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	206	206	65	140	30	0	23596	11457	*	33037	16072	*	33.3	*
PCB 1260	206	206	60	130	30	0	51883	25191	*	72646	35341	*	33.3	*
PCB 1016 #2	206	206	65	140	30	0	1749	849	*	1212	590	*	36.2	*
PCB 1260 #2	206	206	60	130	30	0	23955	11631	*	35108	17079	*	37.8	*

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

MS/MSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Non-spiked sample: B112079SOX, A/C

Spike: L112079SOX, A/C

Spike duplicate: LD112079SOX, A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	232	116		240	120		3.1	
PCB 1260	200	200	60	130	30	0	190	95		183	91		3.6	
PCB 1016 #2	200	200	65	140	30	0	255	128		261	130		2.1	
PCB 1260 #2	200	200	60	130	30	0	220	110		222	111		0.6	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

PCB SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: F

GC Column #1: RTX-CLPesticides I

Column ID: 0.32 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.32 mm

SDG: 60249

Non-spiked sample: 60249-21, A/C

Spike: 60249-21, A/C, MS

Spike duplicate: 60249-21, A/C, MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	206	417	65	140	30	0	94463	45898	*	85901	20601	*	9.5	
PCB 1260	206	417	60	130	30	0	187909	91302	*	192291	46116	*	2.3	
PCB 1016 #2	206	417	65	140	30	0	4481	2177	*	3547	851	*	23.3	
PCB 1260 #2	206	417	60	130	30	0	97213	47234	*	99359	23829	*	2.2	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

MS/MSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

CHAIN OF CUSTODIES

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 1, 10/1/02

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 2.5
3) Received in good condition Y or N
4) pH checked by: JL 11/16/07
5) Labels checked by: lmt 11/16/07

Received By: Danielle Allard 11/16/07 11:30
Received By: Lauren Yoboldell
Received By:

Project#: 210792 Proj. Name: Lincoln Labs
Company: Woodard &Curran
Contact: Amy Wallace awallace@woodardcurran.com
Address: 35 New England Business Center Suite 180
Andover, MA 01810
Phone: (978)557-8150 PO# Quote #
Sampler (Signature): Amy Wa

Matrix Key: conc=concrete
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Preservation

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MIT-NW-001	11/15/07	1424	PCB 8082 soxhlet	✓	✓						conc.	1	G		60249-1
MIT-NW-002		1214													2
MIT-NW-003		1209													3
MIT-NW-004		1212													4
MIT-NW-005		1159													5
MIT-NW-006		1335													6
MIT-NW-007		1341													7
MIT-NW-008		1515													8
MIT-NW-009		1364													9
MIT-NW-010		1249													10
MIT-NW-011		1220													11
MIT-NW-012		1213													12

Time: 11:30
Date: 11/16/07

Email RESULTS? YES NO
Email see above
Fax RESULTS? YES NO
Fax#

Turnaround Request
Standard ☑ Priority ☐
Due Date Due Date

Comments / Instructions:
*-26 waters both tested negative for Cl⁻ retention.
-JL 11/16/07

TSCA Project: use EPA 3540 SOXHLET

Relinquished By Sampler: Amy Wa
Relinquished By:
Relinquished By:

Page 1 of 3

Analytics\AEL Documents\AEL COC

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 1, 10/1/02

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 2.5
3) Received in good condition Y or N
4) pH checked by: JLL 11/16/07
5) Labels checked by: 11/16/07 lmt

Project#: 210792 Proj. Name: Lincoln Labs
Company: Woodard &Curran
Contact: Amy Wallace awallace@woodardcurran.com
Address: 35 New England Business Center Suite 180
Andover, MA 01810
Phone: (978)557-8150 PO# Quote #
Sampler (Signature): Amy Wa

Matrix Key:
conc=concrete
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MIT-NW-013	11/15/07	1220	PCB 8082 Soxhlet	X	X						conc	1	G		60249-13
MIT-NW-014		1234													14
MIT-NW-015		1227													15
MIT-NW-016		1241													16
MIT-NW-017		1132													17
MIT-NW-018		1300													18
MIT-NW-019		1217													19
MIT-NW-020		1317													20
MIT-NW-051		1520													21
MIT-SW-017		1152													22
MIT-SW-018		1253													23
MIT-WW-020		1120													24

Email RESULTS? YES NO
Email See above
Fax RESULTS? YES NO
Fax#

Turnaround Request
Standard ☑ Priority ☐
Due Date Due Date

Comments / Instructions:

TSCA Project: use EPA 3540 SOXHLET

Page 2 of 3

Received By:	Time:	Date:
Received By:	Time:	Date:
Received By:	Time:	Date:
Relinquished By Sampler: Amy Wa		
Relinquished By:		
Relinquished By:		

Analytics\AEL Documents\AEL COC

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 1, 10/1/02

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 2.5
3) Received in good condition Y or N
4) pH checked by: JLL 11/16/07
5) Labels checked by: lmt 11/16/07

Project#: 210792 Proj. Name: Lincoln Labs
Company: Woodard &Curran
Contact: Amy Wallace awallace@woodardcurran.com
Address: 35 New England Business Center Suite 180
Andover, MA 01810
Phone: (978)557-8150 PO# Quote #
Sampler (Signature): Amy Wa

Matrix Key:
conc=concrete
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4 o C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MIT-WW-008	11/12/07	1446	PCB 8082 Soxhlet	X	X						conc	1	G		60249-25
MIT-NW-090	11/15/07	1525	PCB 8082	X	X						water	2	G		26

Email RESULTS? YES NO
Email See above
Fax RESULTS? YES NO
Fax#

Turnaround Request
Standard ☑ Priority ☐
Due Date Due Date

Comments / Instructions:

TSCA Project: use EPA 3540 SOXHLET

Page 3 of 3

Received By:	Time:	Date:	Relinquished By:
Danielle Adams 11/16/07 11:30	11:30	11/16/07	Amy Wa
Jenna Goldell			

Analytics\AEL Documents\AEL COC

analytics environmental laboratory LLC

ANALYTICS SAMPLE RECEIPT CHECKLIST

AEL LAB#: 60249 COOLER NUMBER: _____

CLIENT: Woodard + Curran NUMBER OF COOLERS: 1

PROJECT: _____ DATE RECEIVED: 11/16/07

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 11/16/07

1. Cooler received by(initials) JLL Date Received: 11/16/07
2. Did cooler come with a shipping slip? Y N/A N

If YES, enter carrier name and airbill number here: _____

3. Were custody seals on the outside of cooler? Y (N)
How many & where: _____ Seal Date: _____ Seal Name: _____
4. Did the custody seals arrive unbroken and intact upon arrival? Y N/A N
5. COC#: _____
6. Were Custody papers filled out properly (ink,signed, etc)? (Y) N
7. Were custody papers sealed in a plastic bag? (Y) N
8. Did you sign the COC in the appropriate place? (Y) N
9. Was the project identifiable from the COC papers? (Y) N
10. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 2.5

B. Log-In: Date samples were logged in: 11/16/07 By: JLL

11. Type of packing in cooler(bubble wrap, popcorn) (Y) N
12. Were all bottles sealed in separate plastic bags? (Y) N
13. Did all bottles arrive unbroken and were labels in good condition? (Y) N
14. Were all bottle labels complete(ID,Date,time,etc.) (Y) N
15. Did all bottle labels agree with custody papers? (Y) N
16. Were the correct containers used for the tests indicated: (Y) N
17. Were samples received at the correct pH? Y N/A N
18. Was sufficient amount of sample sent for the tests indicated? (Y) N
19. Were bubbles absent in VOA samples? Y N/A N

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): Date: lmt 11/16/07