PCB INSPECTION AND SAMPLING REPORT

Building K, Auditorium
John Adams Middle School
2425 16th Street
Santa Monica, California 90405

Prepared for:

Santa Monica-Malibu Unified School District
Facilities Improvements Projects
2828 4th Street
Santa Ana, California 90405

Project No.: SMSD-17-7132

Issued Date: January 19, 2018.

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EXECUTIVE SUMMARY

On behalf of the Santa Monica-Malibu Unified School District (District), Alta Environmental (Alta) has prepared this report summarizing the inspection and sampling activities completed at Building K (Auditorium) at John Adams Middle School located at 2425 16th Street, California 90405. The inspection and sampling activities were conducted prior to the planned building demolition to evaluate building materials for the potential presence of polychlorinated biphenyl compound (PCBs) to characterize demolition debris for off-site disposal. The Auditorium building is scheduled for demolition in the summer of 2018. The building is located on the Westside of Campus bordering 16th Street to the West and Santa Monica College on the North side.

On November 6, 7 and 8, 2017, Alta Environmental (Alta) inspected the Building and collected representative samples of bulk building materials identified as potentially impacted by PCBs.

Based on the sampling results, a total PCB concentration in all sampled building materials was reported as less than 50 parts per million (ppm). Therefore, based on the results of the sampling program and in consultation with the SMMUSD, the sampled building materials are categorized as Excluded PCB Product, which is not regulated by US Environmental Protection Agency (US EPA) under the Toxic Substances Control Act (TSCA). Please note that although the PCBs in building material at the Building are not regulated by US EPA, it is Alta's understanding that the demolition contractor will adhere to other regulatory requirements for handling and disposal of identified asbestos-containing materials and lead-based paints.

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REPORTED: January 19, 2018 **PROJECT NO.:** SMSD-17-7132

CLIENT: Santa Monica-Malibu Unified School District
Facility Improvements Projects
2828 4th Street
Santa Monica, California 90405

ATTENTION: Mr. Chris Emmett

REF: PCB Inspection and Sampling Report
Building K, Auditorium
John Adams Middle School
2425 16th Street
Santa Monica, California 90405

1 INTRODUCTION/BACKGROUND

The Auditorium Building is a single classroom building of concrete construction, with interior plaster walls, suspended ceiling systems and various types of vinyl floor tiles etc.

The District plans to undertake a project to demolish this building in 2018.

The Environmental Protection Agency (EPA) believes that there was a potentially widespread use of PCB-containing building materials in schools and other buildings build or renovated between 1950 and 1979. Historically, PCBs were used as a plasticizing agent for caulking and glazing materials, as additives to paints and floor finishes, as a sealant for heating systems and plumbing, and as insulators in ballast and other electrical equipment. The manufacture and use of PCBs were banned in the United States in 1976, and PCB compounds were phased out between 1978 and 1979. Due to the age of the Building (constructed in 1948), there was the potential for certain building materials to contain PCBs. Therefore, building materials were sampled prior to any building demolition.

2 PURPOSE OF INSPECTION AND SAMPLING

Building materials included in this report were evaluated for PCBs only. A survey of asbestos-containing materials (ACM) and lead-based paint (LBP) has been completed for this building. Results and findings for ACM and LBP are included in a separate document.

The objective of the sampling was to obtain samples from a sufficient number of locations to:

- serve as representative of the variety of potentially PCB-impacted materials;
- draw conclusion on the potential presence of PCB-impact materials;
- determine if a site-specific remediation work plan is required to address materials with ≥50 parts per million (ppm) PCBs prior to undertaking the demolition and disposal of building materials; and
- Categorize each type of building materials for off-site disposal related solely to its PCB content. In general, PCB-impacted materials can be sorted and classified into the following categories:
    - PCB Bulk Product Waste (≥ 50 ppm). According to Environmental Protection Agency (EPA), Memorandum, “PCB Bulk Product Waste Reinterpretation” dated October 24, 2012, building materials “Coated or serviced” with PCB bulk product waste (e.g., caulk, paint, mastic, sealants) at the time of designation for disposal to be managed as a PCB bulk product waste. The reinterpretation document allows for disposal of both PCB Bulk Product Waste and PCB Remediation Waste together as a single waste stream (PCB Bulk Product Waste).
    - Excluded PCB Product-all materials containing <50 ppm.

3 SCOPE OF SERVICES

The Santa Monica-Malibu Unified School District (District) retained Alta Environmental (Alta) for the inspection and sampling (Alta proposal dated, October 9, 2017.

The sampling was completed in accordance with the "USEPA Region I Standard Operation Procedures for Sampling Porous Surfaces for Polychlorinated Biphenyl," approved on May 23, 2011, for use by the District.

Alta performed an inspection of the building and documented all visible and accessible suspect PCB-containing materials and prepared an inventory of sampling. Materials, which are applied in a similar manner, had similar characteristic such as size, use, color, age (if available), and texture, were defined as homogeneous materials.

Homogeneous materials were sampled representative of the entire building. If feasible, Alta collected a minimum of three representative random samples of each homogeneous material.

Alta's bulk sampling was completed as follows:

1. A screw razor blade, screwdriver, chisel, or similar tool was used to collect the bulk sample.
2. A polyethylene drop-sheet was placed below the impacted area to capture any dust and debris which may have dislodged during the sample collection.
3. Samples were labeled, packaged, and documented on a chain of custody for shipping to the laboratory.
4. Samples were shipped to the laboratory in a chilled ice chest.
5. Sampled areas were patched using a non-PCBs sealant. The patch area is temporary, intended only to provide a barrier to the exposed sampled substrates.
6. Each sample location was documented using digital photographs.
7. Equipment and tools were decontaminated using a two-step decontamination process. First, all used tools were cleaned using scrub brushes and detergent with de-ionized water base solution. Second, each piece was rinsed using de-ionized water. After the two-step decontamination procedures, the equipment was placed on top of clean paper towels (or equivalent material) and set to dry individually. Each piece of equipment was inspected by Alta for evidence of residual dust and debris.

4 METHODOLOGY

The Actual Detection Limit (DL) used by the laboratory for this project was 1 ppm. In some cases, the DL was raised above 1ppm due to matrix interferences, but it did not exceed ≥ 50 ppm, currently being used as approved by the USEPA to defined PCB Bulk Product Waste.

A total of 80 bulk samples were submitted to and analyzed by Enviro-Chem, a Cal ELAP accredited laboratory (Certificate #1555) located in Pomona, California.

A total of 3 bulk duplicate samples analysis were completed by Enviro-Chem.

A total of 1 split-duplicate sample was analyzed by Environ-Chem. The sample was homogenized, split into two identical samples, and assigned a unique blind selected sample number.

All samples including duplicate and split duplicates were placed in an appropriate glass jar with a Teflon cap. Samples were labeled and packaged in a cooler and kept cool with ice during shipment.

All samples were analyzed in accordance with EPA Method 8082A with Soxhlet Extraction US EPA Method 3540C for Aroclors.

5 RESULTS

All materials sampled during this project were reported below 50 parts per million (ppm), therefore, not interpreted to require removal and disposal as PCB Bulk Product Waste.

These materials are further defined in Appendix A of this report.

Refer to Appendix B for laboratory analysis reports and relevant sample analysis information.

6 QUALITY CONTROL

The laboratory reported all QC data associated with the sample analysis within the recovery and precision and acceptable limits of the laboratory.

Enviro-Chem reported, “all samples were received intact, and accompanying chain of custody.”

7 CONCLUSIONS

Based on the sampling results, a total PCB concentration in all sampled building materials was reported as less than 50 parts per million (ppm). Therefore, based on the results of the sampling, and in consultation with the SMMUSD, the sampled building material are categorized as Excluded PCB Product, which is not regulated by US Environmental Protection Agency (US EPA) under the Toxic Substances Control Act (TSCA). Please note that although PCBs in building material at the Building are not regulated by US EPA, it is Alta’s understanding that the demolition contractor will adhere to other regulatory requirements for handling, and disposal of identified asbestos-containing materials and lead-based paints.

8 RECOMMENDATIONS

Asbestos-containing materials and lead-based paints have previously been identified at the site and are delineated in a separate report. Removal of ACMs and LBP is subject to local, state and federal requirements. A survey record and abatement plan have been prepared for this site to be used for the removal and waste disposal of ACM and LBP.

9 ASSUMPTIONS AND LIMITATIONS

Alta’s sampling was limited to suspect PCBs in construction building materials found at the Auditorium Building. The results are intended for use by the District and its contractors to characterize generated waste building materials for disposal, based in part on the reported PCB content during demolition of the building.

This report was prepared exclusively for use by Santa Monica-Malibu Unified School District, and may not be relied upon by any other person or entity without Alta Environmental’s express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. Alta Environmental cannot be responsible for the impact of any changes in environmental standards, practices or regulations after performance of services.

In performing our professional services, we have applied engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, Alta Environmental has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, Alta Environmental accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Alta Environmental will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. Alta Environmental makes no warranty, expressed or implied.

This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

Material quantities are in some cases listed within this document. These quantities are not intended to be used for removal bidding purposes. Nor is this document intended as a contract manual. Work methods and sequence, coordination of participants, applicable codes, engineering controls, required submittals, and notifications should in all cases be addressed in a separate and independent bidding and contract document. If you have any questions, please do not hesitate to contact the undersigned at (562) 495-5777. We appreciate the opportunity to be of service to Santa Monica-Malibu Unified School District.

10 SIGNATORY

Respectfully submitted by:

Alta Environmental

Cesar Ruvalcaba
Project Manager

Respectfully submitted by:

Alta Environmental

David Schack
VP, Building Sciences

Appendix A

Sample Inventories

Summary of PCBs Source Bulk Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7132
PROJECT: JAMS- Auditorium
DATE: 11/07/17

Building Name	Component	Sample Number	Substrate	Sample Location	Total PCBs (mg/kg)
Auditorium	Floor	1106-01	Light blue speckled floor tile with mastic	Lobby northwest corner	ND
Auditorium	Floor	1106-02	Light blue speckled floor tile with mastic	Lobby center of lobby	ND
Auditorium	Floor	1106-03	Light blue speckled floor tile with mastic	Lobby southeast corner by men's restroom	ND
Auditorium	Floor	1106-04	Varnish on wood floor	Auditorium, center row, 20' feet south of stage	ND
Auditorium	Floor	1106-05	Varnish on wood floor	Steps by women's restroom	ND
Auditorium	Floor	1106-06	Varnish on wood floor	Stage, southeast corner	ND
Auditorium	Floor	1106-07	Yellow glue for blue carpet	Auditorium, north isle, 20', west of stage	ND
Auditorium	Floor	1106-08	Yellow glue for blue carpet	Auditorium, southside, 30' west of stage	ND
Auditorium	Floor	1106-09	Yellow glue for blue carpet	Auditorium, center, 10' west of center stage	ND
Auditorium	Floor	1106-10	Corkboard flooring with barrier paper (under carpet) with black mastic	Auditorium, north isle, 20', west of stage	ND
Auditorium	Floor	1106-11	Corkboard flooring with barrier paper (under carpet) with black mastic	Auditorium, south isle, 30' west of stage	ND

Summary of PCBs Source Bulk Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7132
PROJECT: JAMS- Auditorium
DATE: 11/07/17

Building Name	Component	Sample Number	Substrate	Sample Location	Total PCBs (mg/kg)
Auditorium	Floor	1106-12	Corkboard flooring with barrier paper (under carpet) with black mastic	Auditorium, north isle	ND
Auditorium	Floor	1106-13	Glue for dark blue carpet	Classroom, southeast corner	ND
Auditorium	Wall	1106-14	White paint on smooth plaster walls	Interior lobby north center	ND
Auditorium	Wall	1106-14A	White paint on smooth plaster walls	Auditorium left of stage on support beam	ND
Auditorium	Wall	1106-14B	White paint on smooth plaster walls	Auditorium, right of stage on support beam	ND
Auditorium	Wall	1106-14C	Duplicate of 14B	side by side duplicate sample of 14B	ND
Auditorium	Wall	1106-15	White paint on rough plaster walls	Interior throughout in front of women's restroom	ND
Auditorium	Wall	1106-16	White paint on rough plaster walls	Interior right of stage by stairs	ND
Auditorium	Wall	1106-17	White paint on rough plaster walls	Interior left of stage by exit door	ND
Auditorium	Ceiling	1107-01	Fissured ceiling panel	Auditorium by double doors northwest	ND
Auditorium	Ceiling	1107-02	Fissured ceiling panel mastic	Auditorium by double doors northwest	ND
Auditorium	Ceiling	1107-03	12" Peghole ceiling tile	East classroom north east	ND

Summary of PCBs Source Bulk Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7132
PROJECT: JAMS- Auditorium
DATE: 11/07/17

Building Name	Component	Sample Number	Substrate	Sample Location	Total PCBs (mg/kg)
Auditorium	Ceiling	1107-04	12" Peghole ceiling tile mastic	East classroom ceneter	ND
Auditorium	Wall	1107-05	white paint on trim and baseboardWhite paint on wood wall	Interior lobby north	ND
Auditorium	Wall	1107-06	white paint on trim and baseboardWhite paint on wood wall	Auditorium south center	ND
Auditorium	Wall	1107-07	white paint on trim and baseboardWhite paint on wood wall	Classroom south center	ND
Auditorium	Door	1107-08	Interior white paint on wood door	Lobby east center	ND
Auditorium	Door casing	1107-09	Interior white paint on wood door	Staff restroom at entry	ND
Auditorium	Door	1107-10	Interior white paint on wood door	Classroom northwest	ND
Auditorium	Wall	1107-11	Interior blue paint on smooth plaster walls	Auditorium south center	ND
Auditorium	Door casing	1107-13	Interior white paint on door case	Lobby east center	ND

Summary of PCBs Source Bulk Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7132
PROJECT: JAMS- Auditorium
DATE: 11/07/17

Building Name	Component	Sample Number	Substrate	Sample Location	Total PCBs (mg/kg)
Auditorium	Door casing	1107-14	Interior white paint on door case	Auditorium northeast	ND
Auditorium	Door casing	1107-15	Interior white paint on door case	Classroom northwest	ND
Auditorium	Handrail	1107-16	White paint on metal handrail	Northwest stairway center	ND
Auditorium	Door	1107-17	Green paint on door	Northwest stairway at storage	ND
Auditorium	Door casing	1107-18	Green paint on door case	Northwest stairway at storage	ND
Auditorium	Stairs	1107-19	Green paint on stairs	Northwest stairway center	ND
Auditorium	Wall	1107-20	Blue ceramic wall	Lobby southwest	ND
Auditorium	Wall	1107-21	Blue ceramic wall (duplicate of 1107 21)	Side by side duplicate sample of 1107-20	ND
Auditorium	Door	1107-22	Green paint on metal door	Mezzanine center	ND
Auditorium	Door casing	1107-23	Green paint on metal door case	Mezzanine center	ND
Auditorium	Baseboard	1107-24	Green ceramic baseboard	Restroom southeast	ND
Auditorium	Floor	1107-25	Green ceramic floor	Restroom southeast	ND
Auditorium	Wall	1107-26	Grey ceramic wall	Staff restroom northeast	ND
Auditorium	Floor	1107-27	Grey ceramic floor	Staff restroom southwest	ND

Summary of PCBs Source Bulk Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7132
PROJECT: JAMS- Auditorium
DATE: 11/07/17

Building Name	Component	Sample Number	Substrate	Sample Location	Total PCBs (mg/kg)
Auditorium	Cove base	1107-28	2" Grey covebase with glue	Auditorium northwest	ND
Auditorium	Wall	1107-29	Black paint on concrete wall	Stage east center	ND
Auditorium	Door	1107-30	Beige paint metal stage door	Stage north center	ND
Auditorium	Cabinet	1107-32	White paint on wood fire cabinet	Auditorium northwest	ND
Auditorium	Vibration reducer	1107-33	Canvas vibration reduction	Mezzanine southwest	ND
Auditorium	Window casing	1107-34	Window caulking (no glazing observed)	Classroom east center	ND
Auditorium	Door	1107-35	Door caulking	East hallway south center	ND
Auditorium	Window casing	1107-36	Window glazing	Boys restroom south center (0riginal windows metal frame)	ND
Auditorium	Window casing	1107-37	Window caulking	Boys restroom south center (0riginal windows metal frame)	ND
Auditorium	Wall	1107-38	White paint on stucco	Exterior northwest	ND
Auditorium	Wall	1107-39	White paint on stucco	Exterior northeast	ND
Auditorium	Wall	1107-40	White paint on stucco	Exterior south center	ND
Auditorium	Wall	1107-40A	White paint on stucco	side by side duplicate sample of 1107-40	ND
Auditorium	Rail	1107-41	Green paint on rail	Exterior west center	ND
Auditorium	Door	1107-42	Green paint on wood door	Exterior west center	ND

Summary of PCBs Source Bulk Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7132
PROJECT: JAMS- Auditorium
DATE: 11/07/17

Building Name	Component	Sample Number	Substrate	Sample Location	Total PCBs (mg/kg)
Auditorium	Door	1107-43	Green paint on wood door	Exterior south west	ND
Auditorium	Door	1107-44	Green paint on wood door	Exterior south east	ND
Auditorium	Window casing	1107-44A	Window caulking	Exterior west center	ND
Auditorium	Door casing	1107-45	Green paint on wood door case	Exterior west center	ND
Auditorium	Door casing	1107-46	Green paint on wood door case	Exterior southwest	ND
Auditorium	Door casing	1107-47	Green paint on wood door case	Exterior southeast	ND
Auditorium	Door	1107-48	Green paint on metal door	Exterior southeast	ND
Auditorium	Vent	1107-49	Wall vent caulking	Exterior south center	ND
Auditorium	Downspout	1107-50	White paint on metal downspout	Exterior north center	ND
Auditorium	Gutter	1107-51	Green paint on metal gutter	Exterior north center	ND
Auditorium	Flashing	1107-52	Green paint on metal flashing	Exterior north center	ND
Auditorium	Window casing	1107-53	Window caulking (white wood)	Exterior south east	ND
Auditorium	Door	1107-54	Exterior door caulking (green wood)	Exterior west center	ND
Auditorium	Door	1107-55	Exterior door caulking (green wood)	Exterior southwest	ND

Summary of PCBs Source Bulk Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7132
PROJECT: JAMS- Auditorium
DATE: 11/07/17

Building Name	Component	Sample Number	Substrate	Sample Location	Total PCBs (mg/kg)
Auditorium	Door	1107-56	Exterior door caulking (green wood)	Auditorium northeast (split sample with 1107-57)	ND
Auditorium	Door casing	1107-57	Door caulking	Auditorium northeast (split sample with 1107-56)	ND
Auditorium	Roof	1108-01	Black parapet roofing core	Upper roof, NE	ND
Auditorium	Roof	1108-02	Gravel roofing core	Upper roof, SE	ND
Auditorium	Roof	1108-03	Black roof mastic on penetration	Upper roof, onpenetration, SW	ND
Auditorium	Roof	1108-04	Black roof mastic on penetration	Lower roof on penetration, NW	ND
Auditorium	Roof	1108-05	Black rolled on roofing core	Lower roof, center	ND

Appendix B

Laboratory Reports

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 15, 2017

Mr. Cesar Ruvalcaba
Alta Environmental
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807
Tel:(562)495-5777 Email:Cesar.Ruvalcaba@altaenviron.com

Project: **JAMS-SMSD-17-7132**
Lab I.D.: **171108-56 through -132**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on November 8, 2017, are attached. The samples were received intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

for

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Alta Environmental
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: JAMS-SMSD-17-7132

DATE SAMPLED: 11/06/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/08/17
DATE EXTRACTED: 11/08-09/17
DATE ANALYZED: 11/10/17
DATE REPORTED: 11/15/17

PCBs ANALYSIS; PAGE 1 OF 5
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1106-01	171108-56	ND	ND	ND	ND	ND	ND	ND	ND	1
1106-02	171108-57	ND	ND	ND	ND	ND	ND	ND	ND	1
1106-03	171108-58	ND	ND	ND	ND	ND	ND	ND	ND	1
1106-04	171108-59	ND	ND	ND	ND	ND	ND	ND	ND	2^
1106-05	171108-60	ND	ND	ND	ND	ND	ND	ND	ND	2^
1106-06	171108-61	ND	ND	ND	ND	ND	ND	ND	ND	20^
1106-07	171108-62	ND	ND	ND	ND	ND	ND	ND	ND	1
1106-08	171108-63	ND	ND	ND	ND	ND	ND	ND	ND	4^
1106-09	171108-64	ND	ND	ND	ND	ND	ND	ND	ND	8^
1106-10	171108-65	ND	ND	ND	ND	ND	ND	ND	ND	1
1106-11	171108-66	ND	ND	ND	ND	ND	ND	ND	ND	2^
1106-12	171108-67	ND	ND	ND	ND	ND	ND	ND	ND	1
1106-13	171108-68	ND	ND	ND	ND	ND	ND	ND	ND	1
1106-14	171108-69	ND	ND	ND	ND	ND	ND	ND	ND	1
1106-15	171108-70	ND	ND	ND	ND	ND	ND	ND	ND	10^
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
^ = Actual detection limit raised due to matrix interference

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **JAMS-SMSD-17-7132**

DATE SAMPLED: 11/06&07/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/08/17
DATE EXTRACTED: 11/08-09/17
DATE ANALYZED: 11/10&11/17
DATE REPORTED: 11/15/17

PCBs ANALYSIS; PAGE 2 OF 5
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1106-16	171108-71	ND	ND	ND	ND	ND	ND	ND	ND	16^
1106-17	171108-72	ND	ND	ND	ND	ND	ND	ND	ND	16^
1106-14A	171108-73	ND	ND	ND	ND	ND	ND	ND	ND	40^
1106-14B	171108-74	ND	ND	ND	ND	ND	ND	ND	ND	16^
1106-14C	171108-75	ND	ND	ND	ND	ND	ND	ND	ND	16^
1107-01	171108-76	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-02	171108-77	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-03	171108-78	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-04	171108-79	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-05	171108-80	ND	ND	ND	ND	ND	ND	ND	ND	4^
1107-06	171108-81	ND	ND	ND	ND	ND	ND	ND	ND	80^
1107-07	171108-82	ND	ND	ND	ND	ND	ND	ND	ND	2^
1107-08	171108-83	ND	ND	ND	ND	ND	ND	ND	ND	2^
1107-09	171108-84	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-10	171108-85	ND	ND	ND	ND	ND	ND	ND	ND	40^
1107-11	171108-86	ND	ND	ND	ND	ND	ND	ND	ND	40^
1107-13	171108-87	ND	ND	ND	ND	ND	ND	ND	ND	2^
1107-14	171108-88	ND	ND	ND	ND	ND	ND	ND	ND	16^
1107-15	171108-89	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-16	171108-90	ND	ND	ND	ND	ND	ND	ND	ND	2^
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
^ = Actual detection limit raised due to matrix interference

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **JAMS-SMSD-17-7132**

DATE SAMPLED: 11/07/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/08/17
DATE EXTRACTED: 11/08-09/17
DATE ANALYZED: 11/11/17
DATE REPORTED: 11/15/17

PCBs ANALYSIS; PAGE 3 OF 5
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1107-17	171108-91	ND	ND	ND	ND	ND	ND	ND	ND	40^
1107-18	171108-92	ND	ND	ND	ND	ND	ND	ND	ND	40^
1107-19	171108-93	ND	ND	ND	ND	ND	ND	ND	ND	40^
1107-20	171108-94	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-21	171108-95	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-22	171108-96	ND	ND	ND	ND	ND	ND	ND	ND	2^
1107-23	171108-97	ND	ND	ND	ND	ND	ND	ND	ND	40^
1107-24	171108-98	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-25	171108-99	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-26	171108-100	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-27	171108-101	ND	ND	ND	ND	ND	ND	ND	ND	2**
1107-28	171108-102	ND	ND	ND	ND	ND	ND	ND	ND	4^
1107-30	171108-103	ND	ND	ND	ND	ND	ND	ND	ND	40^
1107-32	171108-104	ND	ND	ND	ND	ND	ND	ND	ND	40^
1107-33	171108-105	ND	ND	ND	ND	ND	ND	ND	ND	40^
1107-34	171108-106	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-35	171108-107	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-36	171108-108	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-37	171108-109	ND	ND	ND	ND	ND	ND	ND	ND	8^
1107-38	171108-110	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
^ = Actual detection limit raised due to matrix interference
** = Actual detection limit raised due to limited sample

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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PCBs ANALYSIS; PAGE 4 OF 5
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1107-39	171108-111	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-40	171108-112	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-40A	171108-113	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-41	171108-114	ND	ND	ND	ND	ND	ND	ND	ND	4^
1107-42	171108-115	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-43	171108-116	ND	ND	ND	ND	ND	ND	ND	ND	4^
1107-44	171108-117	ND	ND	ND	ND	ND	ND	ND	ND	4^
1107-44A	171108-118	ND	ND	ND	ND	ND	ND	ND	ND	4^
1107-45	171108-119	ND	ND	ND	ND	ND	ND	ND	ND	4^
1107-46	171108-120	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-47	171108-121	ND	ND	ND	ND	ND	ND	ND	ND	4^
1107-48	171108-122	ND	ND	ND	ND	ND	ND	ND	ND	2^
1107-49	171108-123	ND	ND	ND	ND	ND	ND	ND	ND	4^
1107-50	171108-124	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-51	171108-125	ND	ND	ND	ND	ND	ND	ND	ND	4^
1107-52	171108-126	ND	ND	ND	ND	ND	ND	ND	ND	4^
1107-53	171108-127	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-54	171108-128	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-55	171108-129	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-56	171108-130	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
^ = Actual detection limit raised due to matrix interference

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CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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DATE SAMPLED: 11/07/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/08/17
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DATE ANALYZED: 11/13&14/17
DATE REPORTED: 11/15/17

PCBs ANALYSIS; PAGE 5 OF 5
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1107-57	171108-131	ND	ND	ND	ND	ND	ND	ND	ND	1
1107-29	171108-132	ND	ND	ND	ND	ND	ND	ND	ND	16^
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
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Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 11/10/2017

Unit: mg/Kg(PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 171109-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.086	**86%**	0.081	**81%**	**6%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.113	**113%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171108-56	171108-57	171108-58	171108-59	171108-60	171108-61
Tetra-chloro-meta-xylene	50-150	110%	112%	100%	105%	106%	109%	126%
Decachlorobipneyl	50-150	143%	82%	111%	111%	80%	92%	84%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171108-62	171108-63	171108-64	171108-65	171108-66	171108-67	171108-68	171108-69
Tetra-chloro-meta-xylene	145%	127%	120%	124%	109%	130%	121%	118%
Decachlorobipneyl	113%	119%	119%	146%	94%	101%	80%	92%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171108-70					
Tetra-chloro-meta-xylene	111%					
Decachlorobipneyl	86%					

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 11/10-11/2017

Unit: mg/Kg(PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 171110-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.112	**112%**	0.121	**121%**	**8%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.100	**100%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171108-71	171108-72	171108-73	171108-74	171108-75	171108-76
Tetra-chloro-meta-xylene	50-150	111%	119%	128%	109%	110%	111%	126%
Decachlorobipneyl	50-150	69%	87%	117%	80%	113%	79%	95%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171108-77	171108-78	171108-79	171108-80	171108-81	171108-82	171108-83	171108-84
Tetra-chloro-meta-xylene	108%	118%	96%	137%	112%	104%	132%	117%
Decachlorobipneyl	97%	80%	115%	102%	91%	65%	135%	118%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171108-85	171108-86	171108-87	171108-88	171108-89	171108-90
Tetra-chloro-meta-xylene	115%	111%	121%	116%	93%	97%
Decachlorobipneyl	95%	80%	84%	118%	113%	108%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

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EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 11/11/2017

Unit: mg/Kg(PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 171110-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.108	**108%**	0.110	**110%**	**2%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.112	**112%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171108-91	171108-92	171108-93	171108-94	171108-95	171108-96
Tetra-chloro-meta-xylene	50-150	116%	124%	113%	117%	122%	111%	149%
Decachlorobipneyl	50-150	78%	96%	86%	83%	93%	78%	90%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171108-97	171108-98	171108-99	171108-100	171108-101	171108-102	171108-103	171108-104
Tetra-chloro-meta-xylene	116%	126%	100%	103%	111%	110%	112%	122%
Decachlorobipneyl	88%	98%	78%	78%	99%	66%	106%	76%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171108-105	171108-106	171108-107	171108-108	171108-109	171108-110
Tetra-chloro-meta-xylene	124%	86%	96%	106%	113%	108%
Decachlorobipneyl	63%	139%	85%	67%	73%	79%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: 

Final Reviewer: 

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed:

Unit: mg/Kg(PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 171110-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.109	**109%**	0.121	**121%**	**10%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.111	**111%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171108-111	171108-112	171108-113	171108-114	171108-115	171108-116
Tetra-chloro-meta-xylene	50-150	105%	103%	103%	123%	133%	104%	103%
Decachlorobipneyl	50-150	75%	83%	72%	119%	107%	93%	74%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171108-117	171108-118	171108-119	171108-120	171108-121	171108-122	171108-123	171108-124
Tetra-chloro-meta-xylene	100%	118%	111%	108%	107%	140%	111%	141%
Decachlorobipneyl	82%	112%	87%	61%	87%	121%	91%	123%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171108-125	171108-126	171108-127	171108-128	171108-129	171108-130
Tetra-chloro-meta-xylene	101%	121%	91%	139%	142%	142%
Decachlorobipneyl	75%	63%	61%	112%	107%	103%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc.

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EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 11/13-14/2017

Unit: mg/Kg(PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 171113-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.105	**105%**	0.097	**97%**	**8%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.115	**115%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171108-131	171108-132	171109-15	171109-16	171109-17	171109-18
Tetra-chloro-meta-xylene	50-150	110%	136%	118%	63%	107%	115%	107%
Decachlorobipneyl	50-150	93%	116%	95%	54%	91%	125%	76%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171109-19							
Tetra-chloro-meta-xylene	83%							
Decachlorobipneyl	146%							

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tetra-chloro-meta-xylene						
Decachlorobipneyl						

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

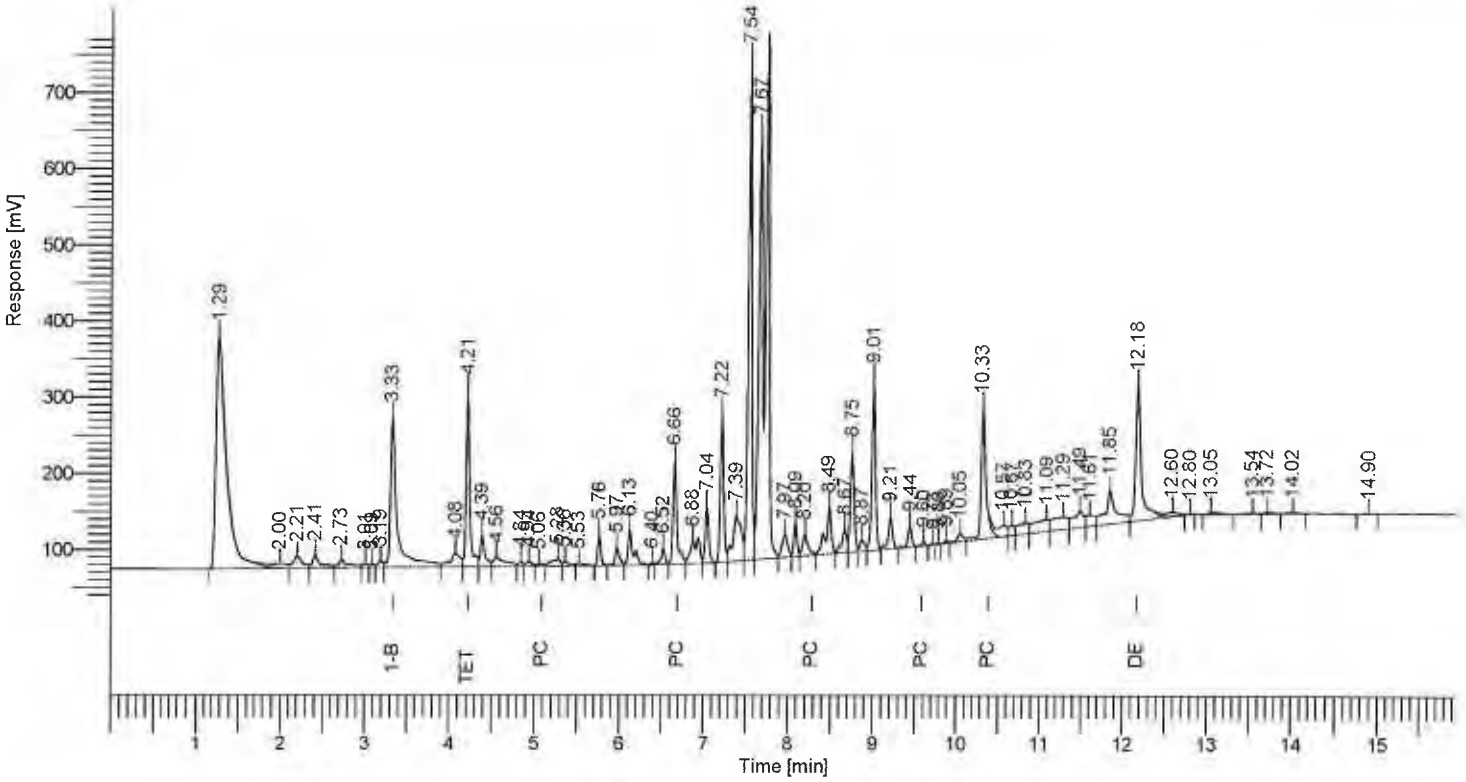
Analyzed and Reviewed By: _____

Final Reviewer: _____

Software Version : 6.3.2.0646
Sample Name : 171108-59 0.2/2 Alta
Instrument Name : GC-E
Rack/Vial : 0/37
Sample Amount : 1.000000
Cycle : 38

Date : 11/13/2017 9:07:46 AM
Data Acquisition Time : 11/10/2017 5:29:07 AM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171108\B082.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171108\E171108.seq



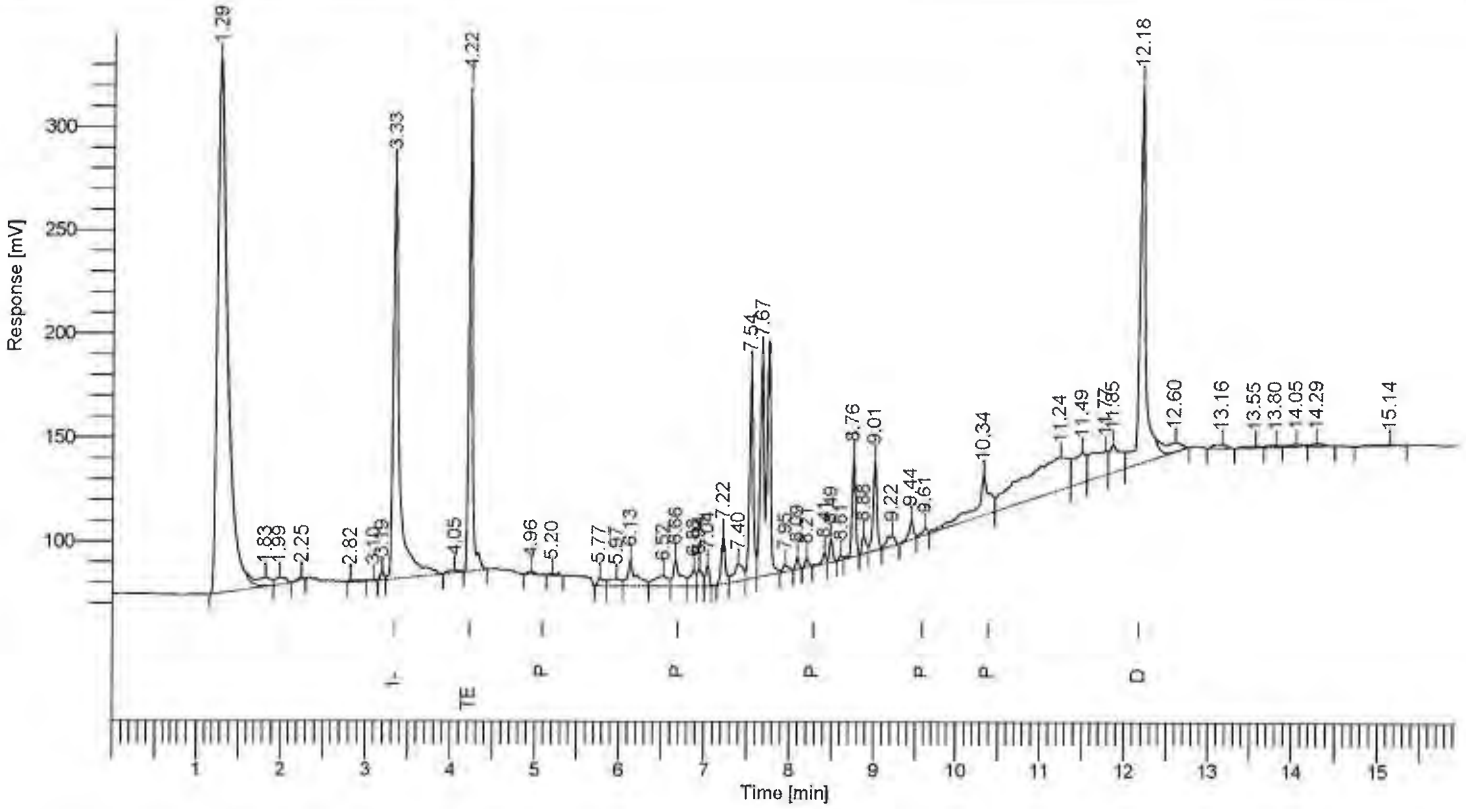
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
9	1-Bromo-2-Nitrobenzene	3.33	1117170.05	193640.16	----------
11	Tetra chloro-meta-xylene	4.21	678044.86	223304.19	106.112
	PCB (1016+1260)	10.33	1284735.23	339122.98	0.425
56	Decachlorobiphenyl	12.18	822872.60	176144.35	80.381
			3902822.75	932211.67	186.919

Software Version : 6.3.2.0646
Sample Name : 171108-60 0.2/2 Alta
Instrument Name : GC-E
Rack/Vial : 0/38
Sample Amount : 1.000000
Cycle : 39

Date : 11/13/2017 9:07:51 AM
Data Acquisition Time : 11/10/2017 5:49:43 AM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171108\B083.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171108\E171108.seq



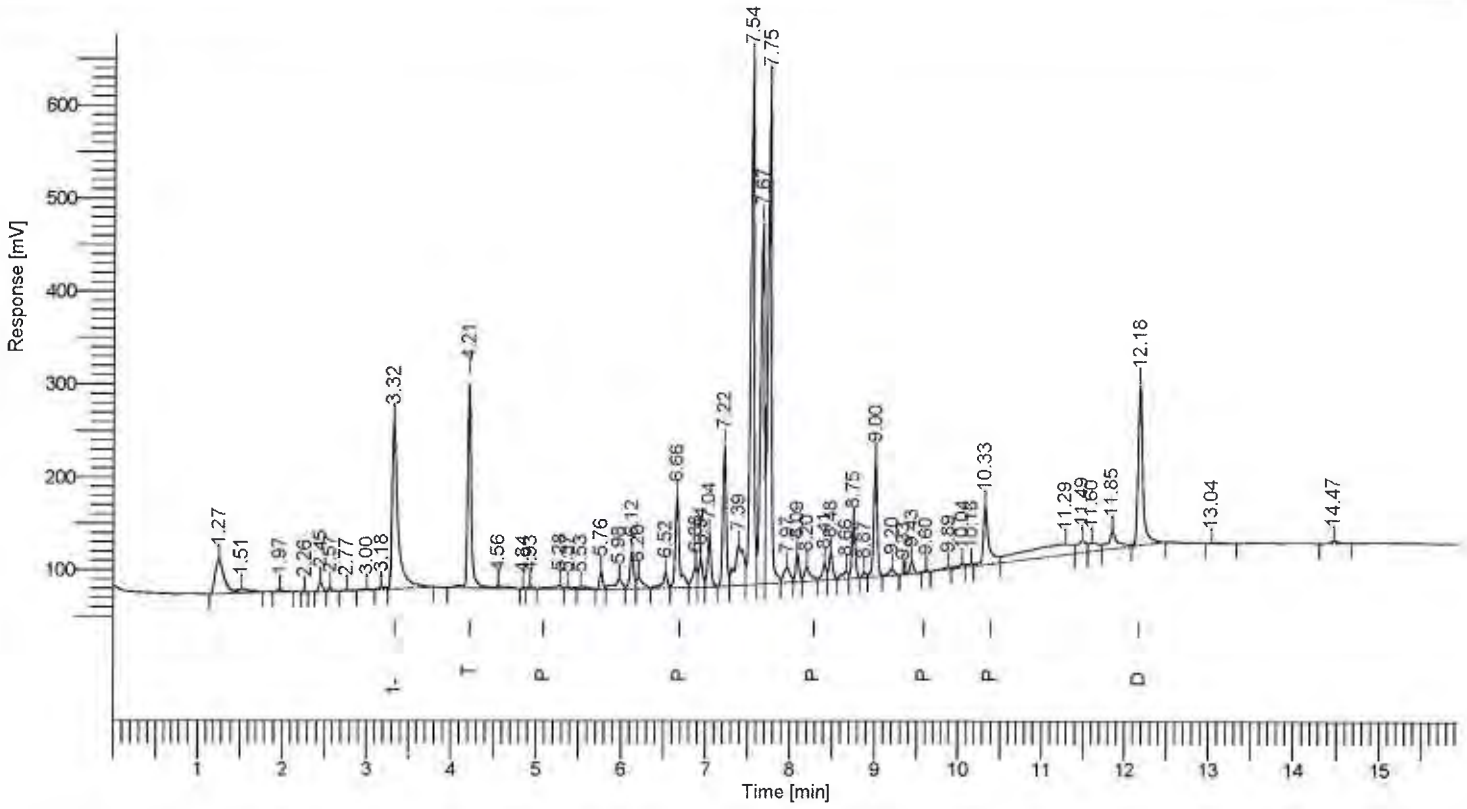
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
8	1-Bromo-2-Nitrobenzene	3.33	998228.80	199018.60	----------
10	Tetra chloro-meta-xylene	4.22	624979.43	223700.27	109.462
	PCB (1016+1260)	10.34	329980.63	40135.44	0.122
42	Decachlorobiphenyl	12.18	843023.83	182281.04	92.162
			2796212.68	645135.35	201.746

Software Version : 6.3.2.0646
Sample Name : 171108-61 0.2/20 RE
Instrument Name : GC-E
Rack/Vial : 0/5
Sample Amount : 1.000000
Cycle : 1

Date : 11/13/2017 9:09:08 AM
Data Acquisition Time : 11/10/2017 1:46:18 PM
Channel : B
Operator : manager
Dilution Factor 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171108\B103.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171108\E171108.seq



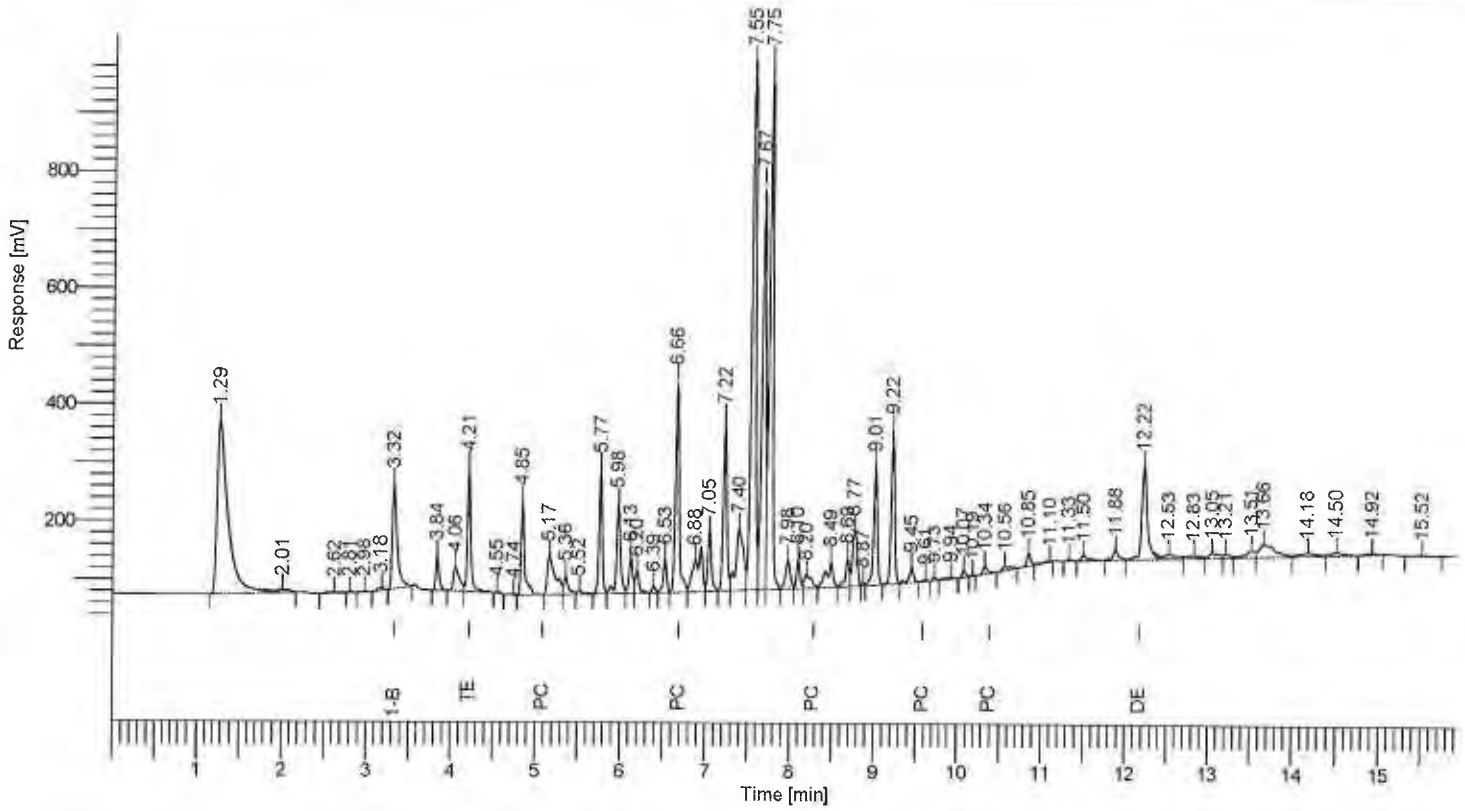
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
10	1-Bromo-2-Nitrobenzene	3.32	883849.21	183640.75	----------
11	Tetra chloro-meta-xylene	4.21	637639.55	216409.82	126.132
	PCB (1016+1260)	6.66	716329.69	179027.47	0.299
53	Decachlorobiphenyl	12.18	676453.52	172208.30	83.522
			2914271.97	751286.33	209.953

Software Version : 6.3.2.0646
Sample Name : 171108-62 0.5/2.5 Alta
Instrument Name : GC-E
Rack/Vial : 0/41
Sample Amount : 1.000000
Cycle : 42

Date : 11/13/2017 9:07:57 AM
Data Acquisition Time : 11/10/2017 6:51:33 AM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171108\B086.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171108\E171108.seq



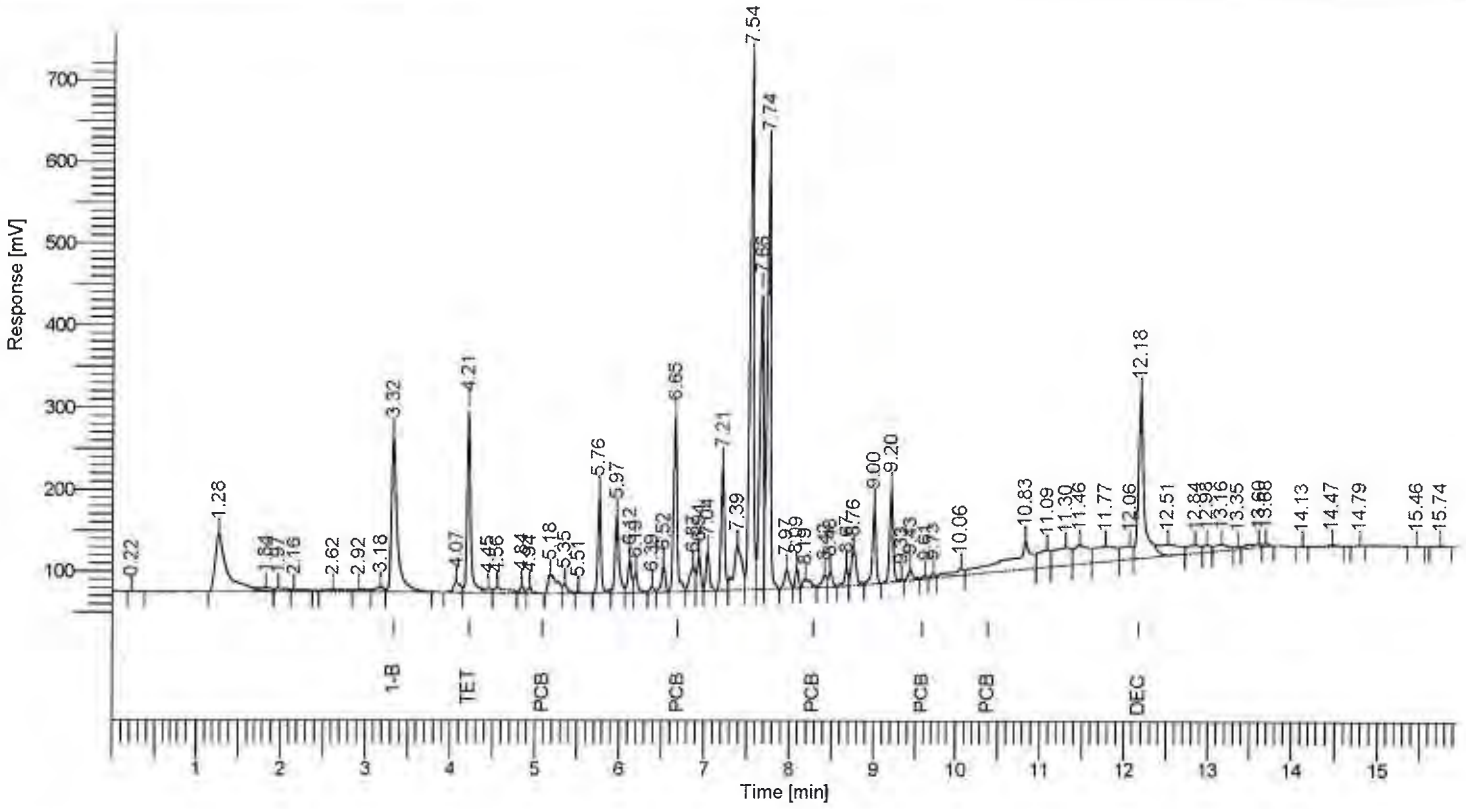
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
7	1-Bromo-2-Nitrobenzene	3.32	711486.25	179952.16	----------
10	Tetra chloro-meta-xylene	4.21	590806.17	205237.83	145.180
	PCB (1016+1260)	6.66	1731852.78	460053.50	0.899
53	Decachlorobiphenyl	12.22	734015.17	159156.29	112.585
			3768160.37	1004399.77	258.664

Software Version : 6.3.2.0646
Sample Name : 171108-63 1/20 RE
Instrument Name : GC-E
Rack/Vial : 0/7
Sample Amount : 1.000000
Cycle : 3

Date : 11/13/2017 9:11:19 AM
Data Acquisition Time : 11/10/2017 2:27:03 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171108\B105.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171108\E171108.seq

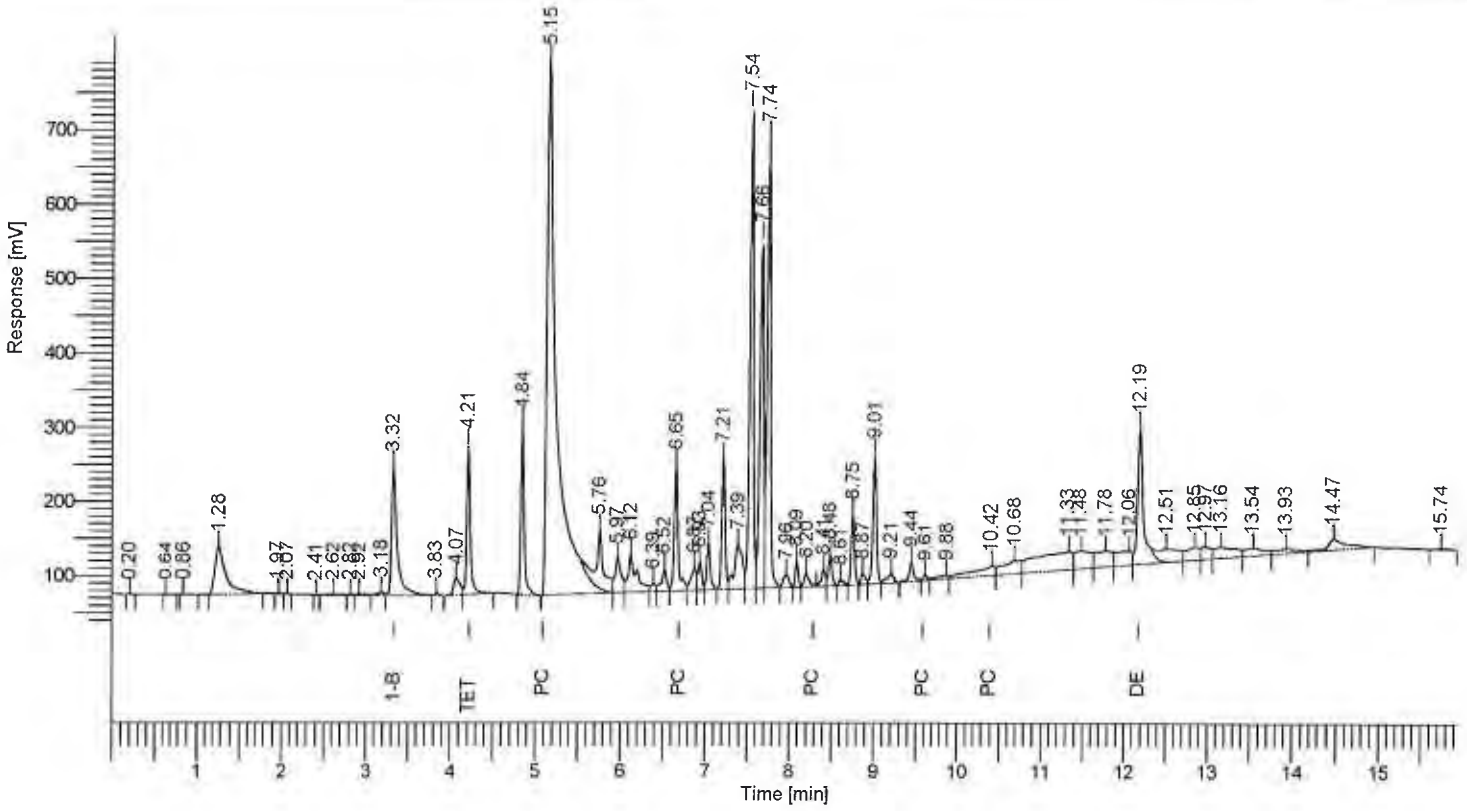


PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
9	1-Bromo-2-Nitrobenzene	3.32	865692.74	191796.77	----------
11	Tetra chloro-meta-xylene	4.21	629618.81	214394.95	127.157
	PCB (1016+1260)	6.65	905115.97	248286.89	0.386
54	Decachlorobiphenyl	12.18	943332.65	199916.19	118.917
			3343760.18	854394.79	246.460

Software Version	6.3.2.0646	Date	11/13/2017 9:11:44 AM
Sample Name	171108-84 0.5/20 RE	Data Acquisition Time	11/10/2017 2:47:21 PM
Instrument Name	GC-E	Channel	B
Rack/Vial	0/8	Operator	manager
Sample Amount	1.000000	Dilution Factor	1.000000
Cycle	4		

Result File : D:\GC DATA\GC-E\E02017\E1711\E171108\B106.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171108\E171108.seq



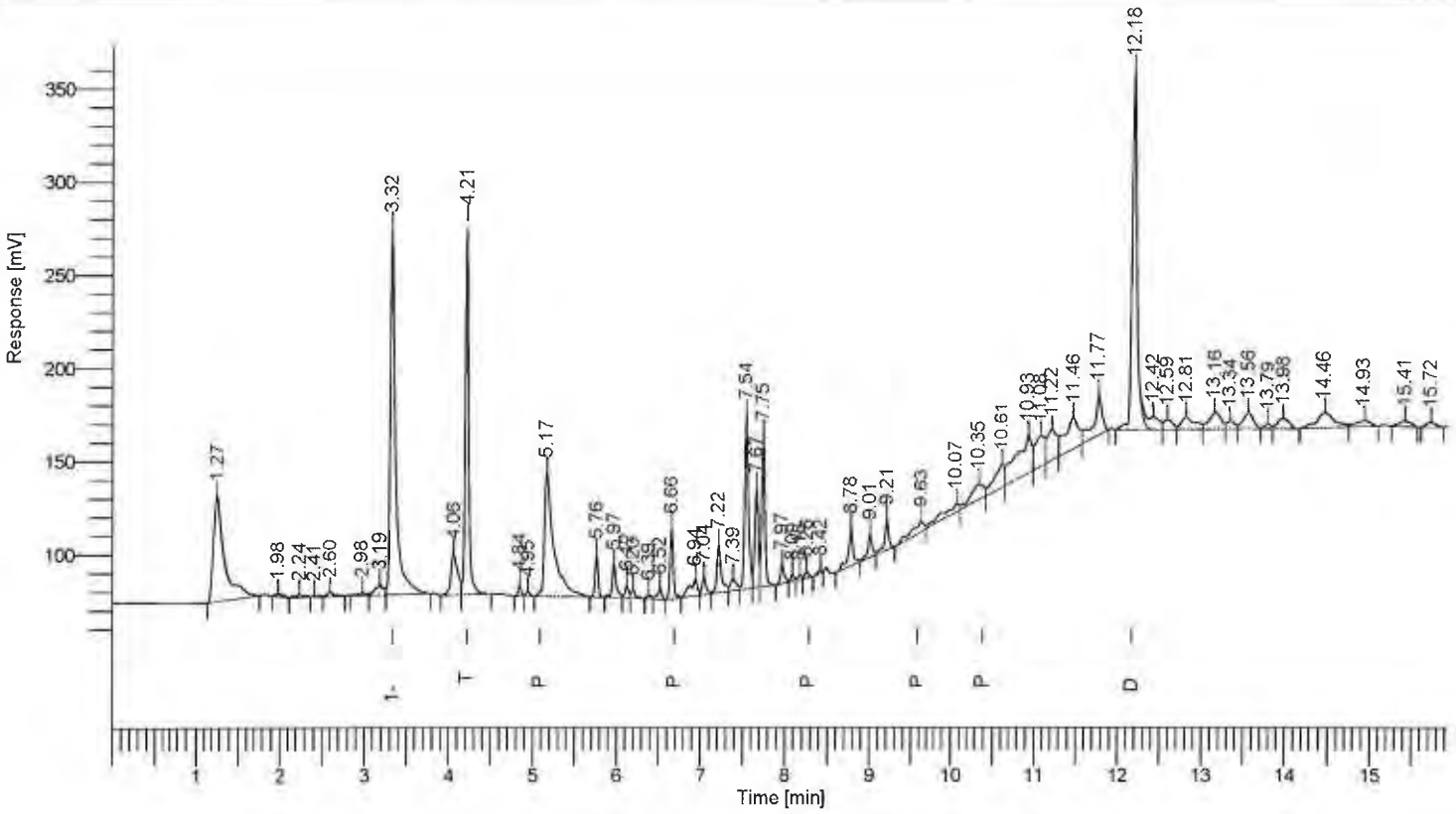
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
12	1-Bromo-2-Nitrobenzene	3.32	828499.02	173532.40	----------
15	Tetra chloro-meta-xylene	4.21	568673.87	192762.54	120.005
	PCB (1016+1260)	5.15	6689302.41	934255.11	2.983
51	Decachlorobiphenyl	12.19	904997.59	183218.04	119.206
			8991472.89	1483768.09	242.194

Software Version : 6.3.2.0646
Sample Name : 171108-66 2.5/20 Alta
Instrument Name : GC-E
Rack/Vial : 0/45
Sample Amount : 1.000000
Cycle : 46

Date : 11/13/2017 9:08:07 AM
Data Acquisition Time : 11/10/2017 8:13:38 AM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171108\B090.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171108\E171108.seq



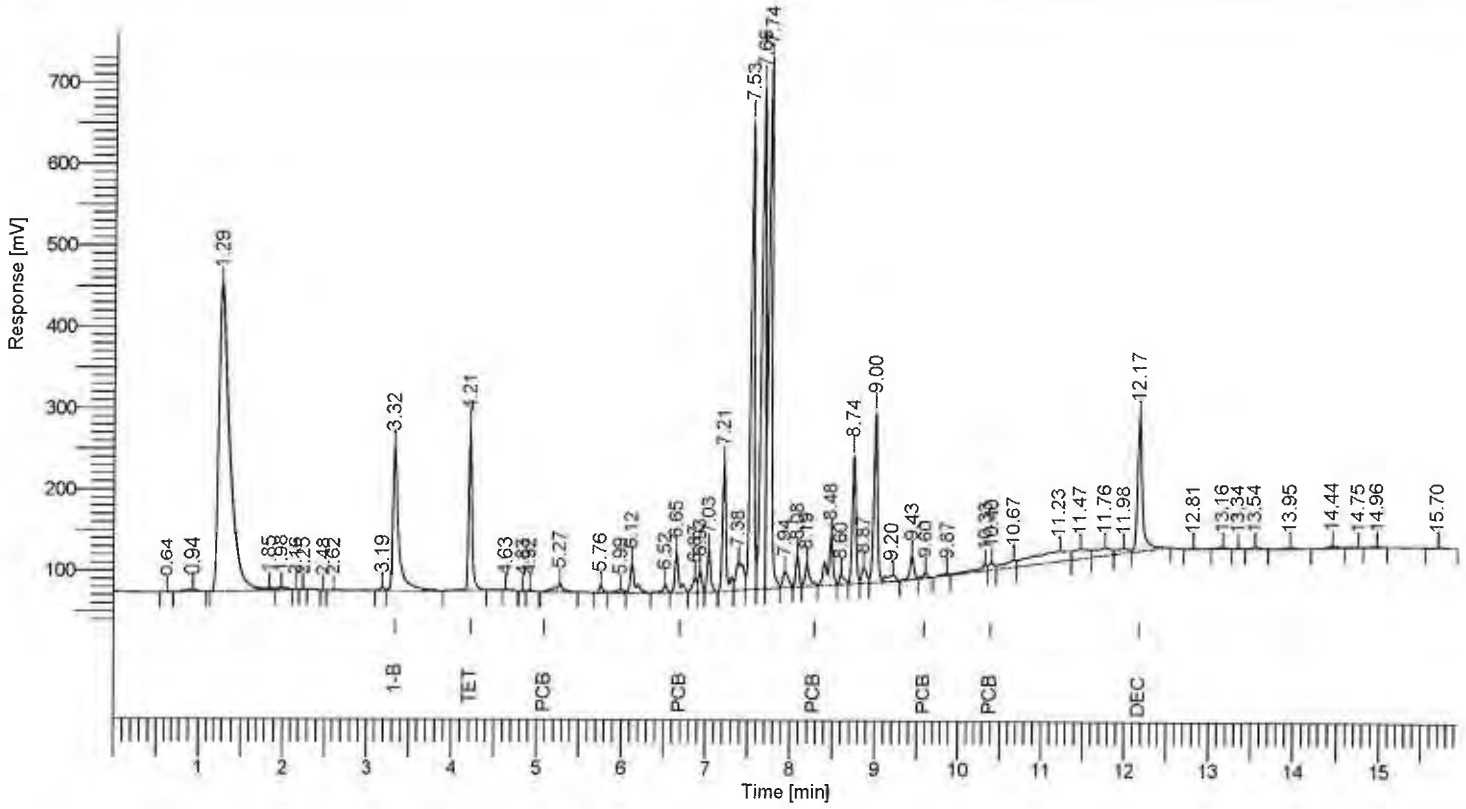
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
8	1-Bromo-2-Nitrobenzene	3.32	866600.04	195478.99	----------
10	Tetra chloro-meta-xylene	4.21	540447.06	191473.37	109.034
	PCB (1016+1260)	5.17	792359.34	121163.95	0.338
45	Decachlorobiphenyl	12.18	748528.78	191364.53	94.261
			2947935.22	699480.84	203.633

Software Version : 6.3.2.0646
Sample Name : 171108-70 1/50 RE
Instrument Name : GC-E
Rack/Vial : 0/9
Sample Amount : 1.000000
Cycle : 5

Date : 11/15/2017 8:48:29 AM
Data Acquisition Time : 11/10/2017 3:07:42 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171108\B107.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171108\E171108.seq



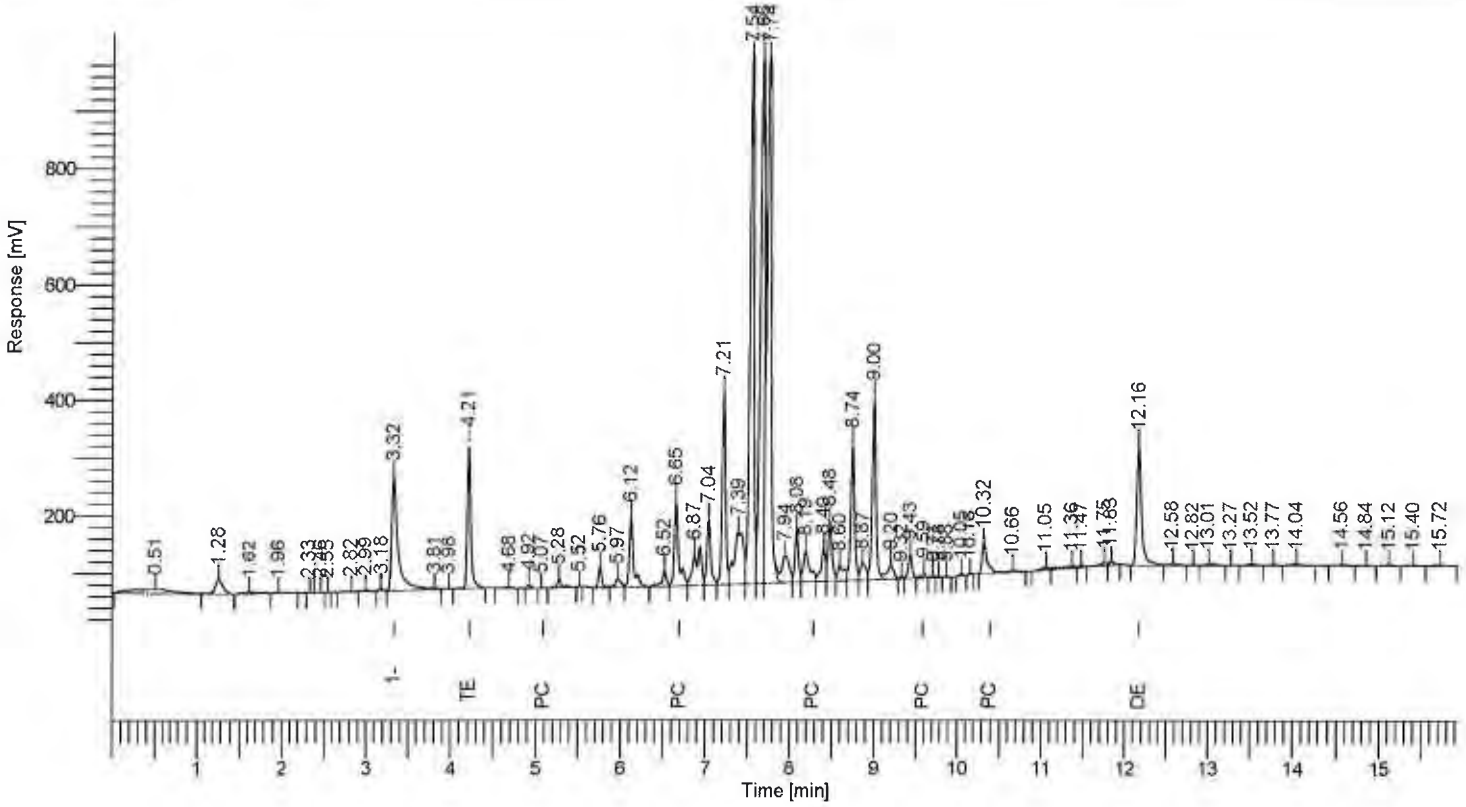
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
11	1-Bromo-2-Nitrobenzene	3.32	859803.27	178269.11	----------
12	Tetra chloro-meta-xylene	4.21	545927.76	193934.93	111.010
	PCB (1016+1260)	6.65	375242.65	87434.88	0.161
49	Decachlorobiphenyl	12.17	674428.79	164964.60	85.601
			2455402.47	624603.52	196.773

Software Version : 6.3.2.0646
Sample Name : 171108-71 0.5/40 RE
Instrument Name : GC-E
Rack/Vial : 0/1
Sample Amount : 1.000000
Cycle : 1

Date : 11/14/2017 11:01:16 AM
Data Acquisition Time : 11/13/2017 9:40:25 AM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B087.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



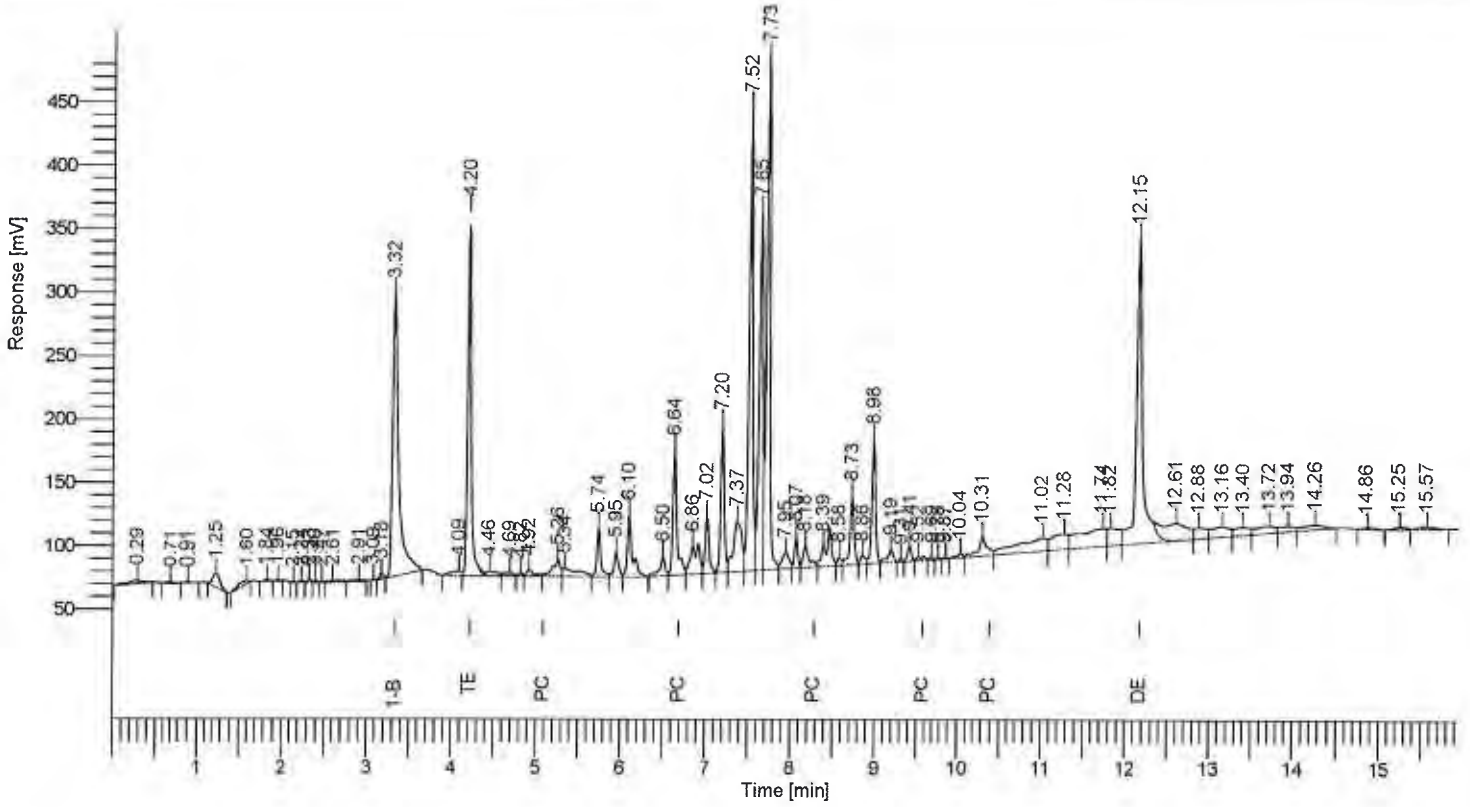
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
11	1-Bromo-2-Nitrobenzene	3.32	1030450.99	197462.92	
14	Tetra chloro-meta-xylene	4.21	702908.36	240300.96	119.261
	PCB (1016+1260)	6.65	1072862.26	257149.28	0.385
57	Decachlorobiphenyl	12.16	825004.39	206058.41	87.372
			3631226.00	900971.57	207.018

Software Version : 6.3.2.0646
Sample Name : 171108-72 0.5/40 RE
Instrument Name : GC-E
Rack/Vial : 0/2
Sample Amount : 1.000000
Cycle : 2

Date : 11/14/2017 11:01:48 AM
Data Acquisition Time : 11/13/2017 10:00:52 AM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B088.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



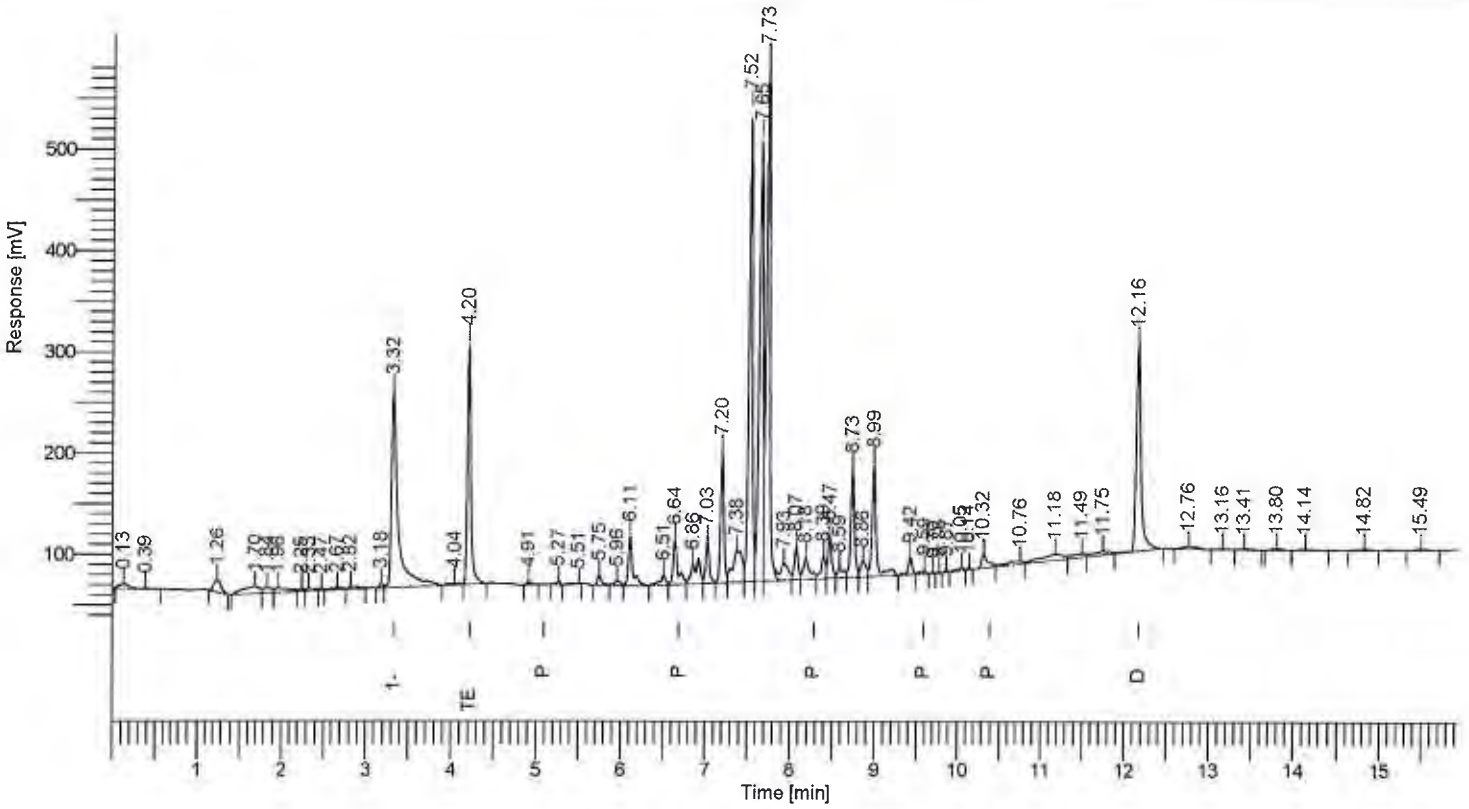
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
17	1-Bromo-2-Nitrobenzene	3.32	1121960.14	222186.97	----------
19	Tetra chloro-meta-xylene	4.20	821339.34	272173.00	127.989
	PCB (1016+1260)	6.64	582094.80	134854.50	0.192
59	Decachlorobiphenyl	12.15	1203739.69	238281.03	117.084
			3729133.97	867495.50	245.265

Software Version : 6.3.2.0646
Sample Name : 171108-73 0.2/40 RE
Instrument Name : GC-E
Rack/Vial : 0/3
Sample Amount : 1.000000
Cycle : 3

Date : 11/14/2017 11:02:40 AM
Data Acquisition Time : 11/13/2017 10:21:20 AM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B089.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq

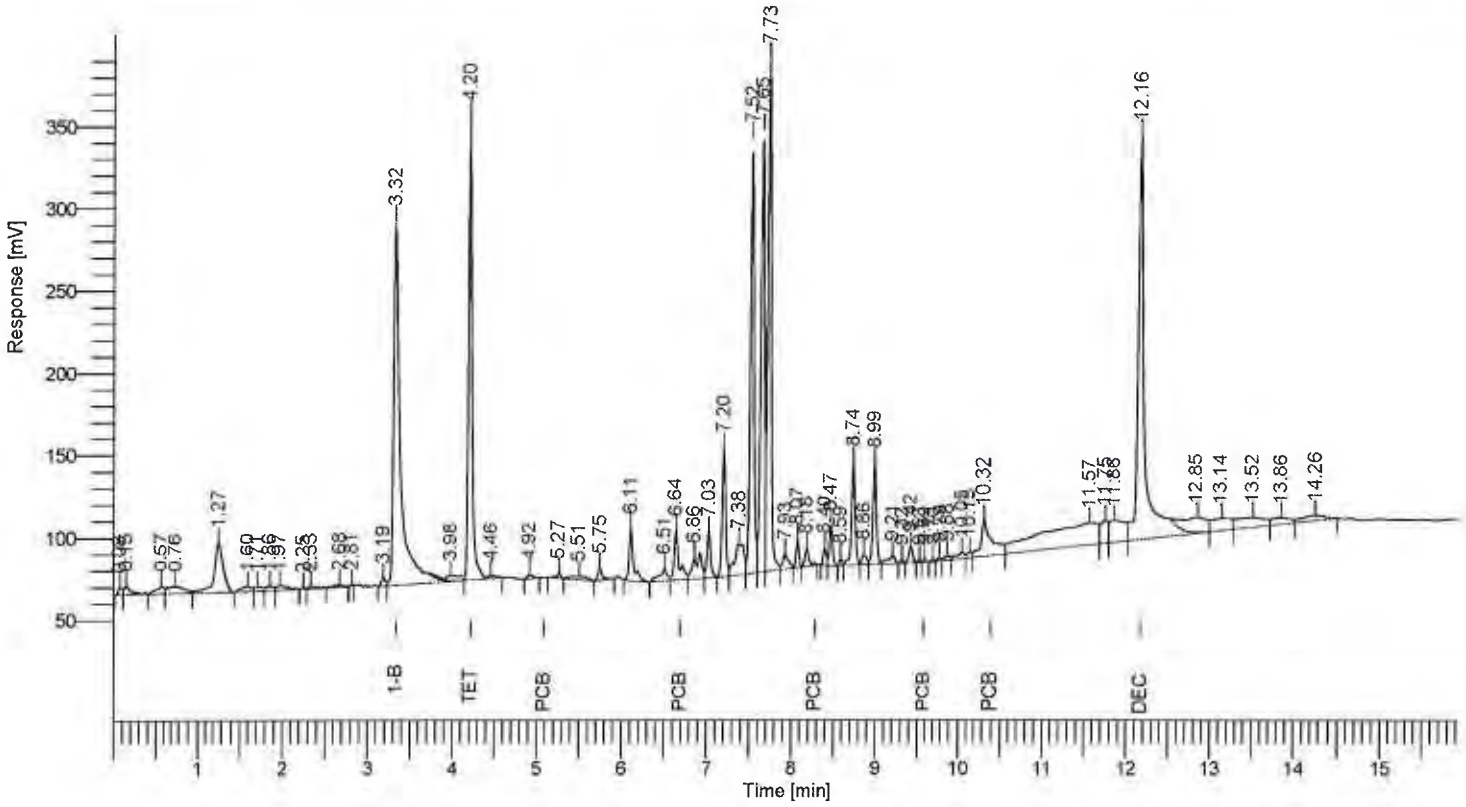


PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Adjusted Amount
13	1-Bromo-2-Nitrobenzene	3.32	1085813.90	195288.59	----------
15	Tetra chloro-meta-xylene	4.20	679837.92	232017.89	109.466
	PCB (1016+1260)	6.64	372582.34	81369.20	0.127
52	Decachlorobiphenyl	12.16	795964.92	204023.65	79.998
			2934199.08	712699.34	189.591

Software Version	6.3.2.0646	Date	11/14/2017 11:04:33 AM
Sample Name	171108-74 0.25/20 RE	Data Acquisition Time	11/13/2017 10:41:47 AM
Instrument Name	GC-E	Channel	B
Rack/Vial	0/4	Operator	manager
Sample Amount	1.000000	Dilution Factor	1.000000
Cycle	4		

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B090.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



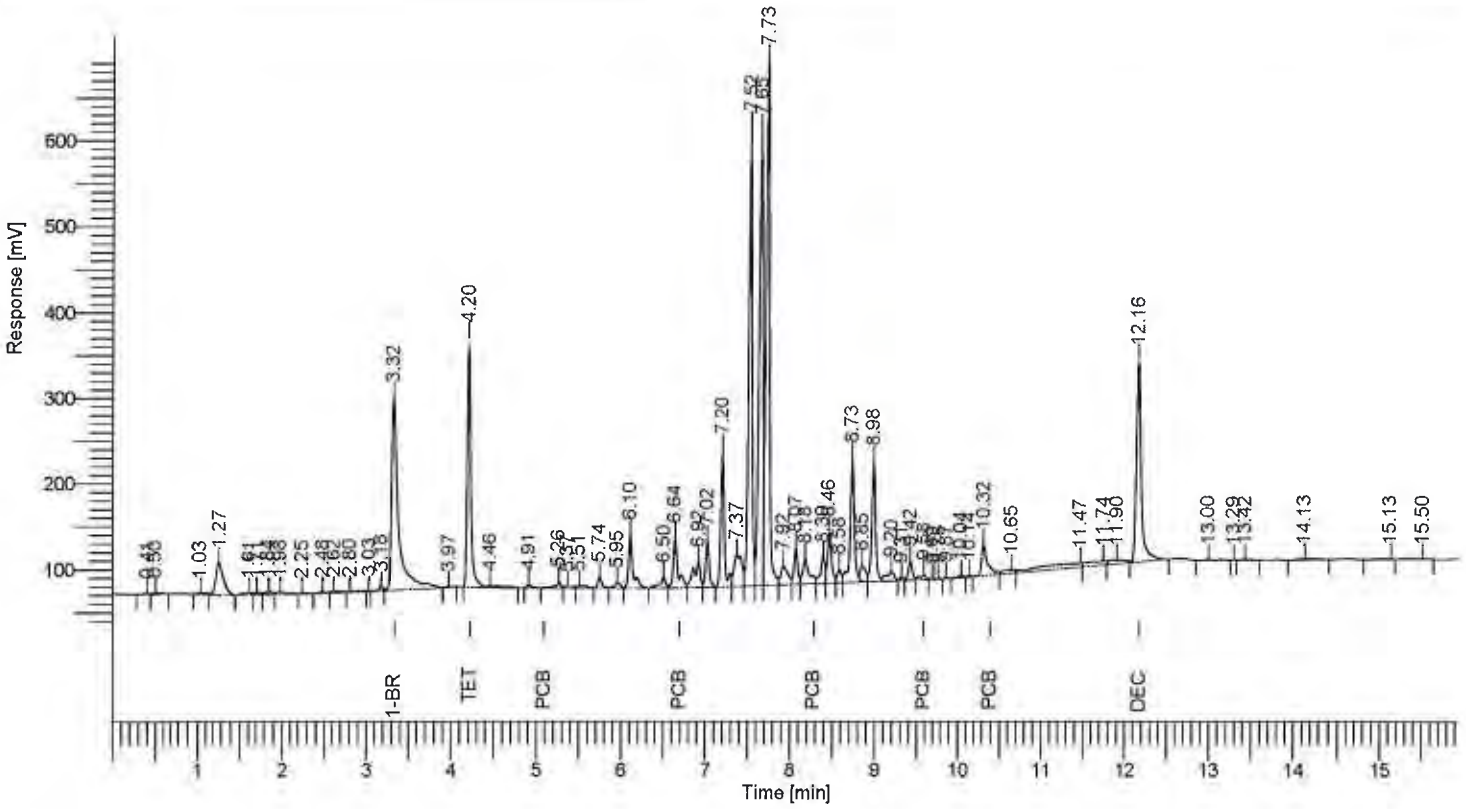
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
15	1-Bromo-2-Nitrobenzene	3.32	1272334.48	221122.31	----------
17	Tetra chloro-meta-xylene	4.20	797443.03	272179.46	109.579
	PCB (1016+1260)	6.64	368515.98	64784.25	0.107
56	Decachlorobiphenyl	12.16	1321337.31	243645.03	113.333
			3759630.80	801731.05	223.018

Software Version : 6.3.2.0646
Sample Name : 171108-75 0.5/40 RE
Instrument Name : GC-E
Rack/Vial : 0/5
Sample Amount : 1.000000
Cycle : 5

Date : 11/14/2017 11:05:05 AM
Data Acquisition Time : 11/13/2017 11:02:10 AM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B091.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



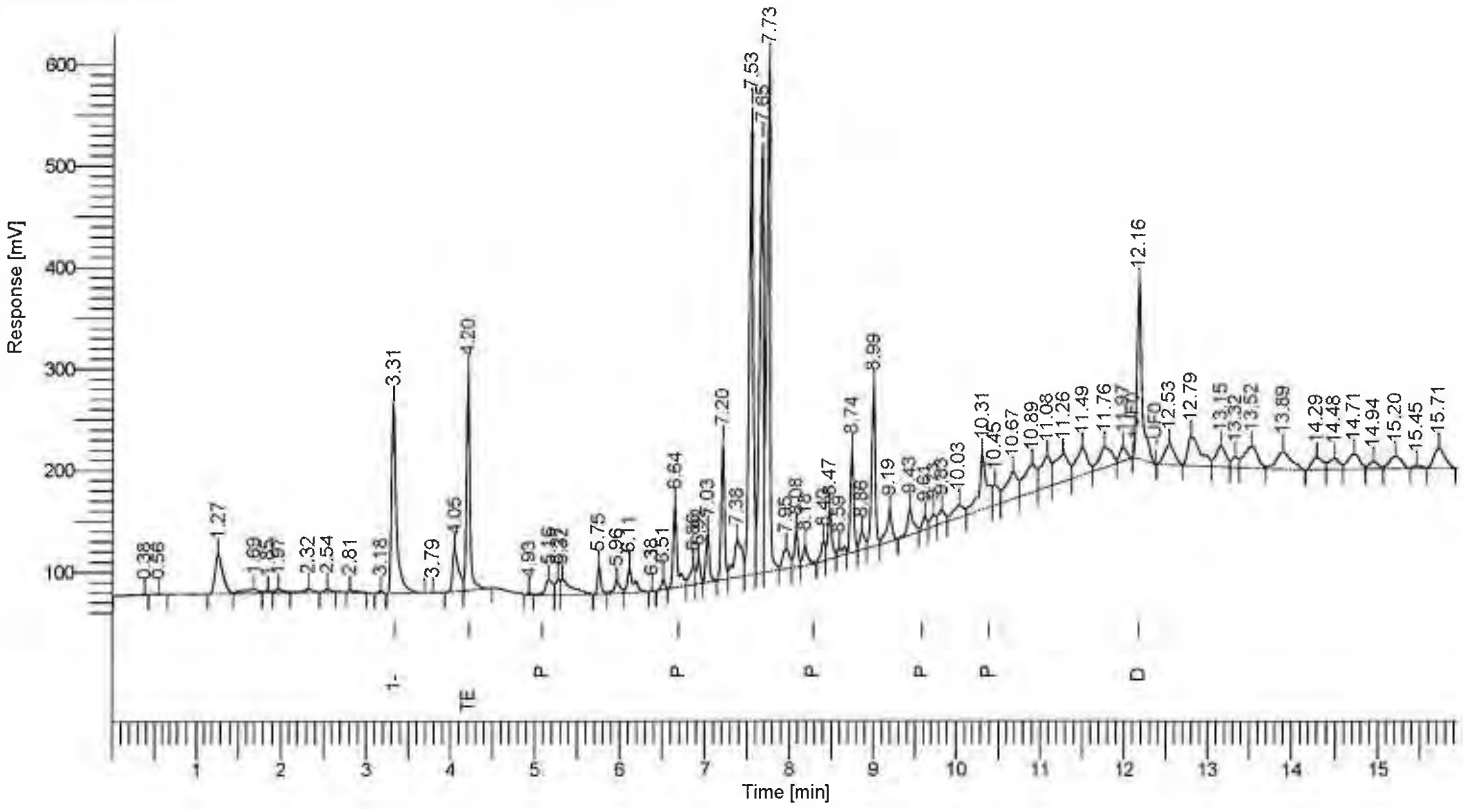
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
15	1-Bromo-2-Nitrobenzene	3.32	1283198.15	224254.73	----------
17	Tetra chloro-meta-xylene	4.20	813227.92	276683.75	110.802
	PCB (1016+1260)	6.64	591404.88	127470.55	0.170
58	Decachlorobiphenyl	12.16	931056.25	231545.02	79.182
			3618887.20	859954.05	190.153

Software Version : 6.3.2.0646
Sample Name : 171108-80 0.1/2
Instrument Name : GC-E
Rack/Vial : 0/16
Sample Amount : 1.000000
Cycle : 15

Date : 11/14/2017 10:12:06 AM
Data Acquisition Time : 11/10/2017 9:34:56 PM
Channel : B
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B015.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



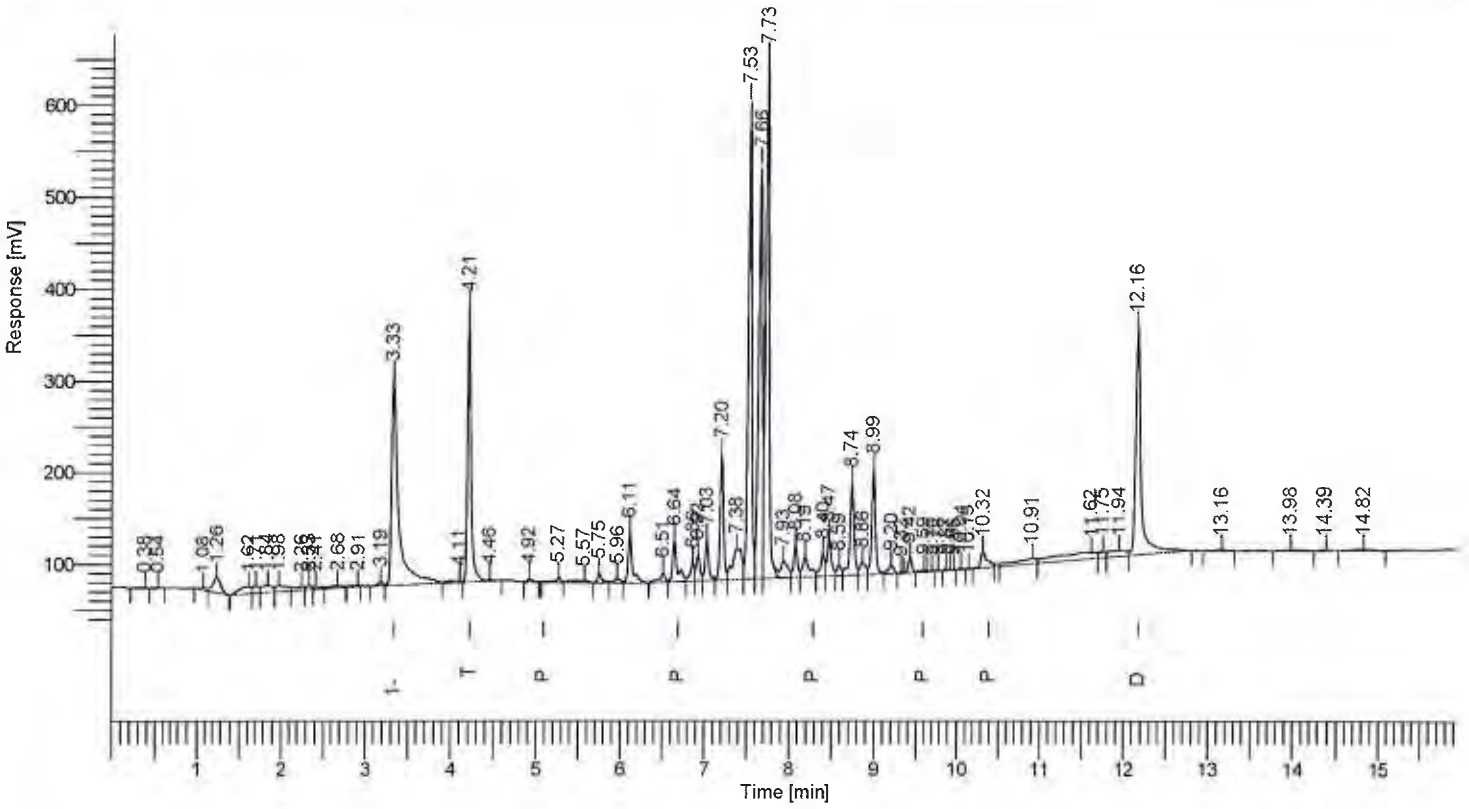
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
11	1-Bromo-2-Nitrobenzene	3.31	758094.05	187270.28	----------
14	Tetra chloro-meta-xylene	4.20	594716.50	206773.77	137.156
	PCB (1016+1260)	6.64	875980.55	180702.99	0.427
57	Decachlorobiphenyl	12.16	709725.88	174032.30	102.167
			2938516.99	748779.34	239.750

Software Version : 6.3.2.0646
Sample Name : 171108-81 0.1/40 RE
Instrument Name : GC-E
Rack/Vial : 0/6
Sample Amount : 1.000000
Cycle : 6

Date : 11/14/2017 11:05:50 AM
Data Acquisition Time : 11/13/2017 11:22:33 AM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B092.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



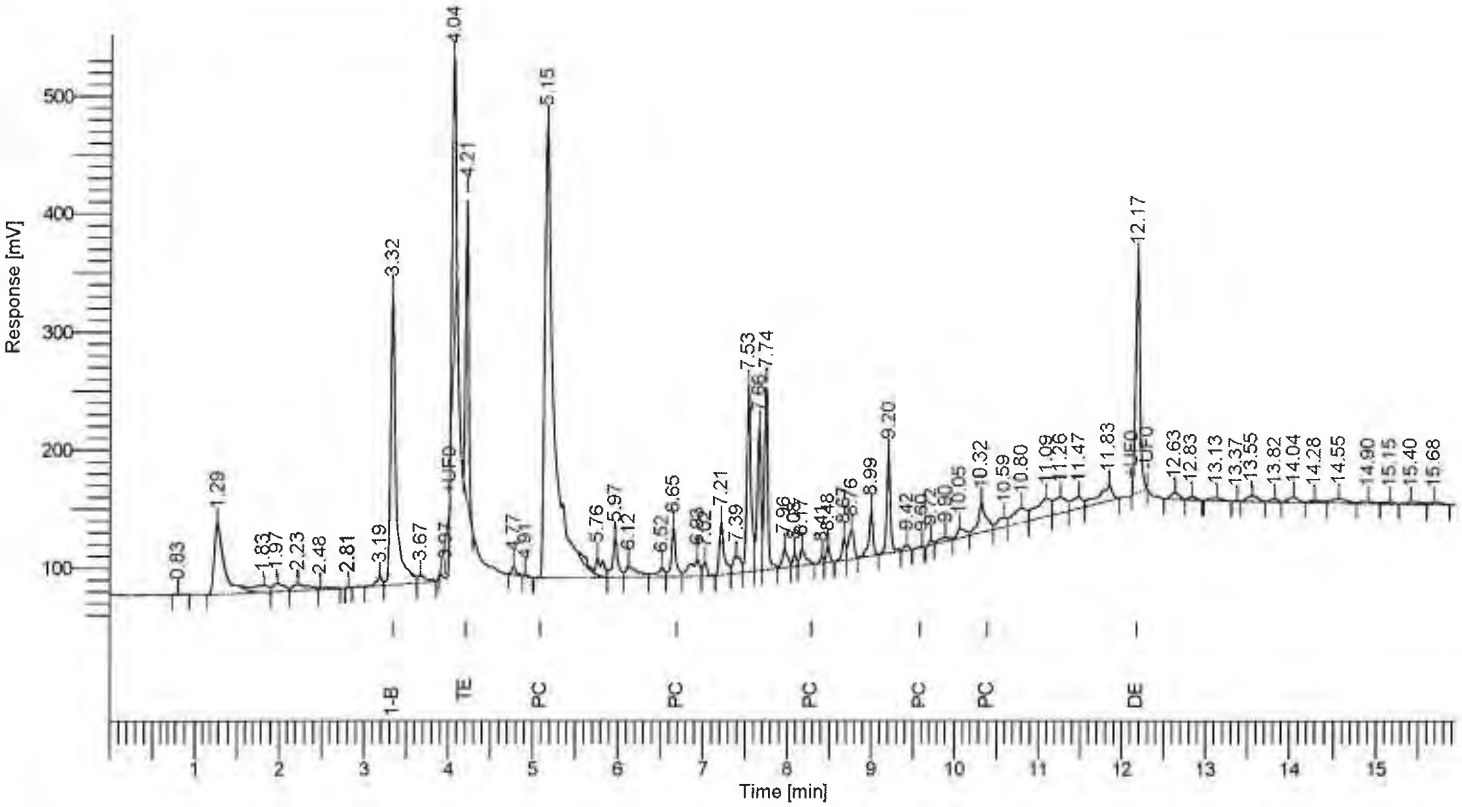
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
15	1-Bromo-2-Nitrobenzene	3.33	1302486.09	227134.93	----------
17	Tetra chloro-meta-xylene	4.21	834567.93	286931.65	112.025
	PCB (1016+1260)	6.64	408866.94	86561.00	0.116
59	Decachlorobiphenyl	12.16	1083192.03	245499.96	90.756
			3629113.00	846127.54	202.897

Software Version : 6.3.2.0646
Sample Name : 171108-82 0.25/2
Instrument Name : GC-E
Rack/Vial : 0/18
Sample Amount : 1.000000
Cycle : 18

Date : 11/14/2017 10:16:57 AM
Data Acquisition Time : 11/10/2017 10:36:29 PM
Channel : B
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B018.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



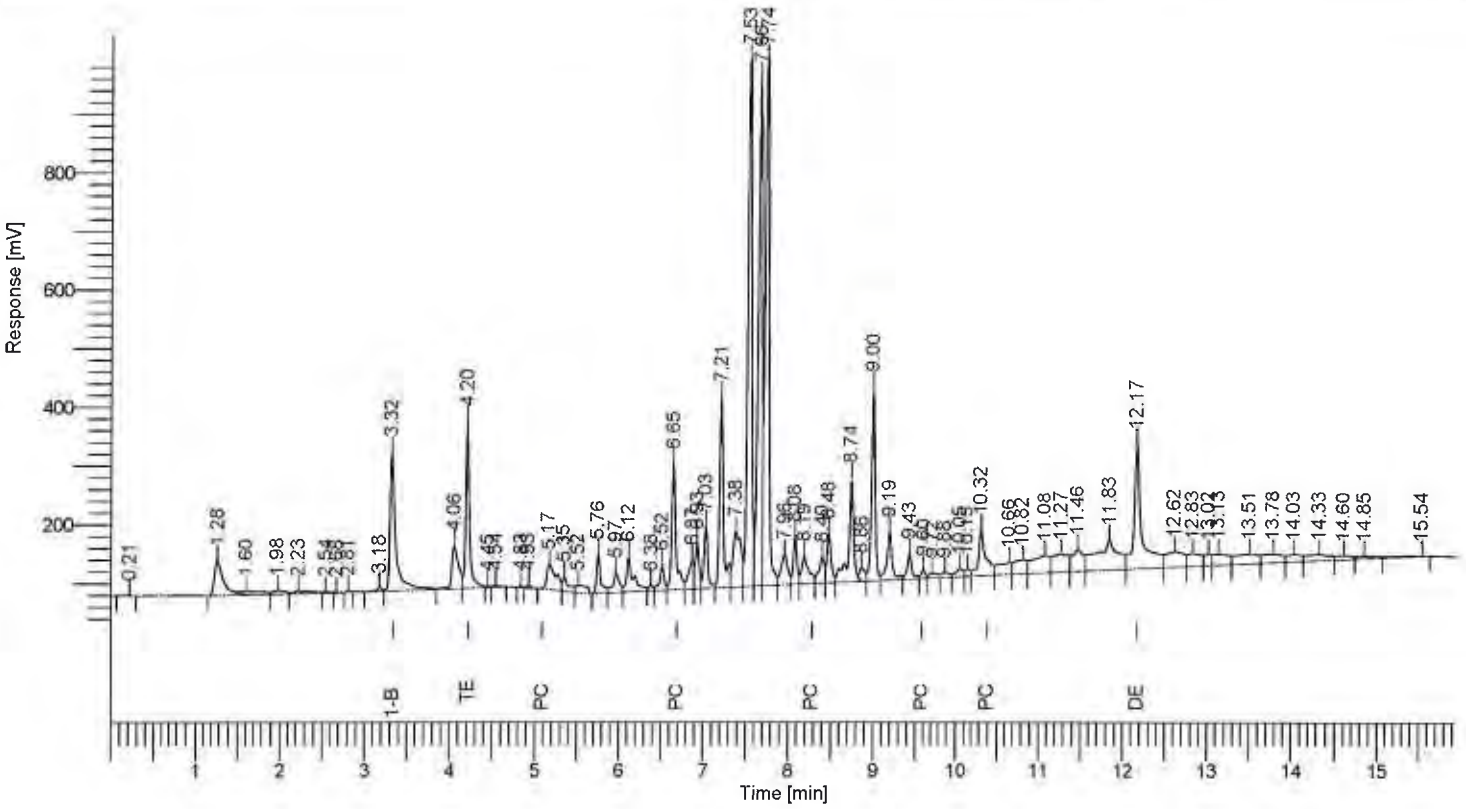
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
9	1-Bromo-2-Nitrobenzene	3.32	1133233.86	246508.33	----------
12	Tetra chloro-meta-xylene	4.04	671749.66	273938.07	103.637
	PCB (1016+1260)	9.20	440892.39	114301.07	0.144
50	Decachlorobiphenyl	12.17	678113.10	198367.58	65.302
			2923989.02	833115.05	169.083

Software Version : 6.3.2.0646
Sample Name : 171108-83 0.2/2
Instrument Name : GC-E
Rack/Vial : 0/19
Sample Amount : 1.000000
Cycle : 19

Date : 11/14/2017 10:17:45 AM
Data Acquisition Time : 11/10/2017 10:57:06 PM
Channel : B
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B019.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



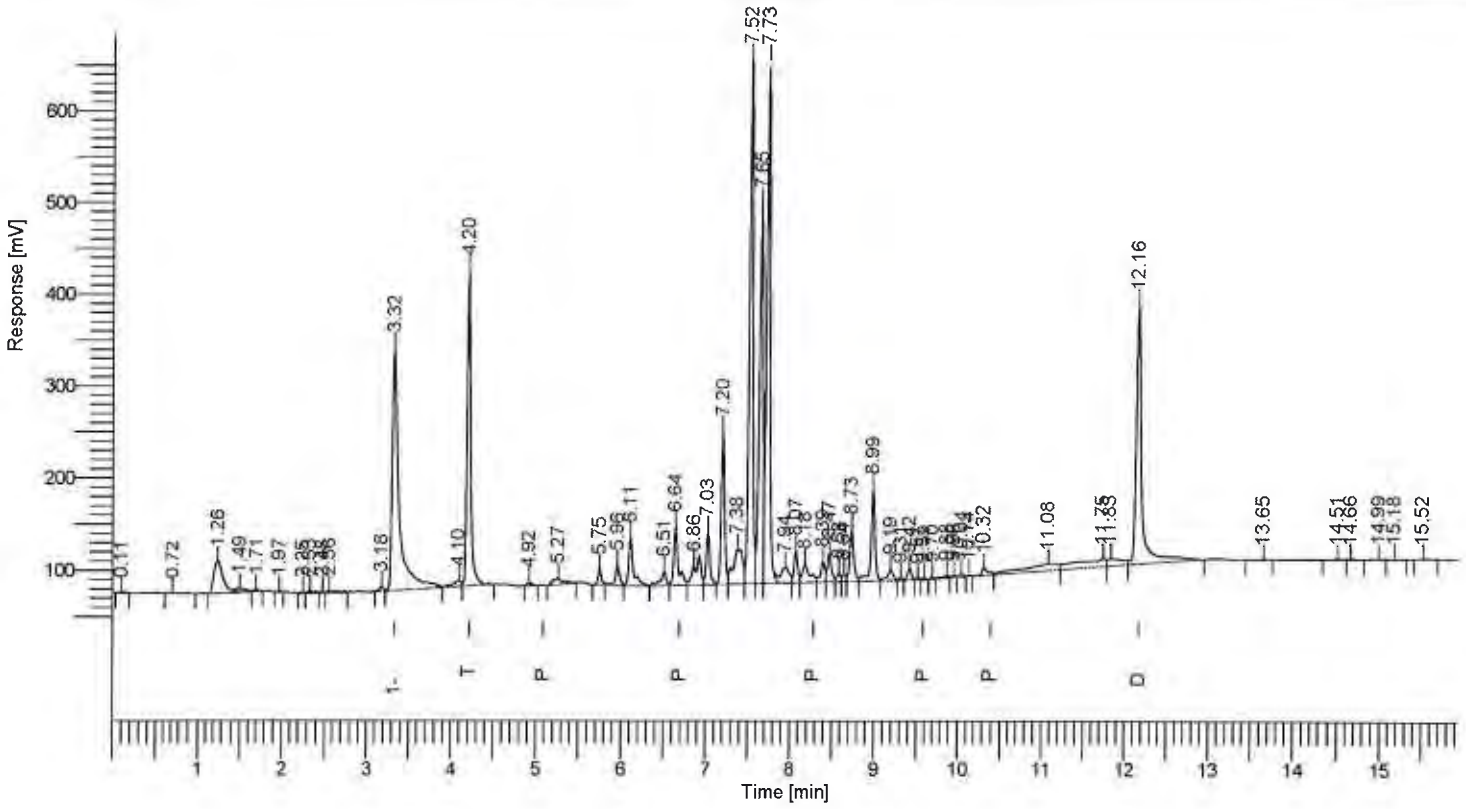
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
10	1-Bromo-2-Nitrobenzene	3.32	1115417.92	234011.83	----------
12	Tetra chloro-meta-xylene	4.20	840476.39	271255.54	131.739
	PCB (1016+1260)	6.65	1873821.52	388689.85	0.621
56	Decachlorobiphenyl	12.17	1377342.36	210564.97	134.756
			5207058.20	1104522.18	267.116

Software Version : 6.3.2.0646
Sample Name : 171108-65 0.1/20 RE
Instrument Name : GC-E
Rack/Vial : 0/7
Sample Amount : 1.000000
Cycle : 7

Date : 11/14/2017 11:06:23 AM
Data Acquisition Time : 11/13/2017 11:42:57 AM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B093.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



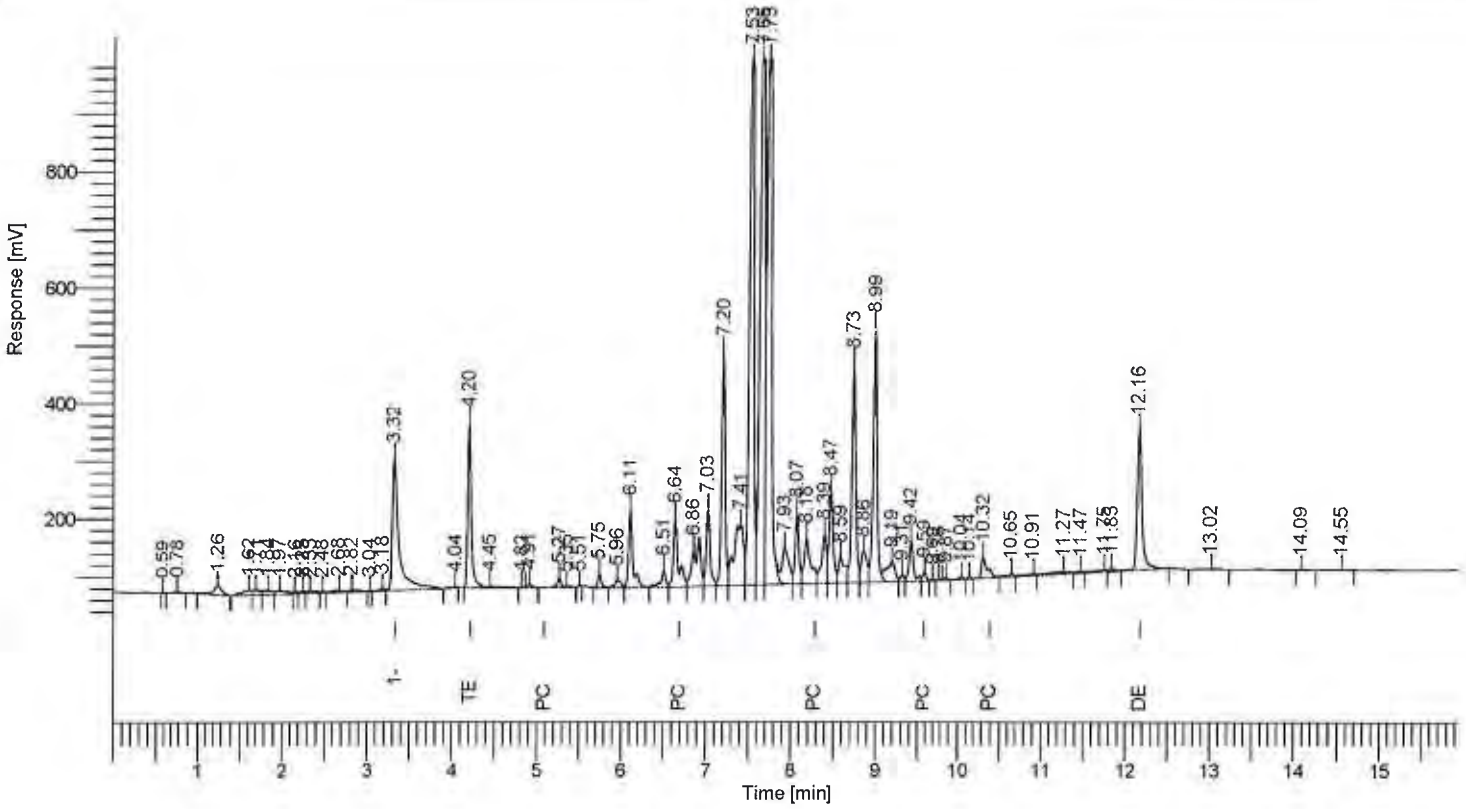
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
12	1-Bromo-2-Nitrobenzene	3.32	1484714.38	263218.63	----------
14	Tetra chloro-meta-xylene	4.20	978238.50	329914.88	115.194
	PCB (1016+1260)	6.64	422616.99	94234.39	0.105
52	Decachlorobiphenyl	12.16	1294955.07	277909.75	95.182
			4180524.94	965277.65	210.481

Software Version : 6.3.2.0646
Sample Name : 171108-86 0.2/40 RE
Instrument Name : GC-E
Rack/Vial : 0/8
Sample Amount : 1.000000
Cycle : 8

Date : 11/14/2017 11:07:28 AM
Data Acquisition Time : 11/13/2017 12:03:18 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B094.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



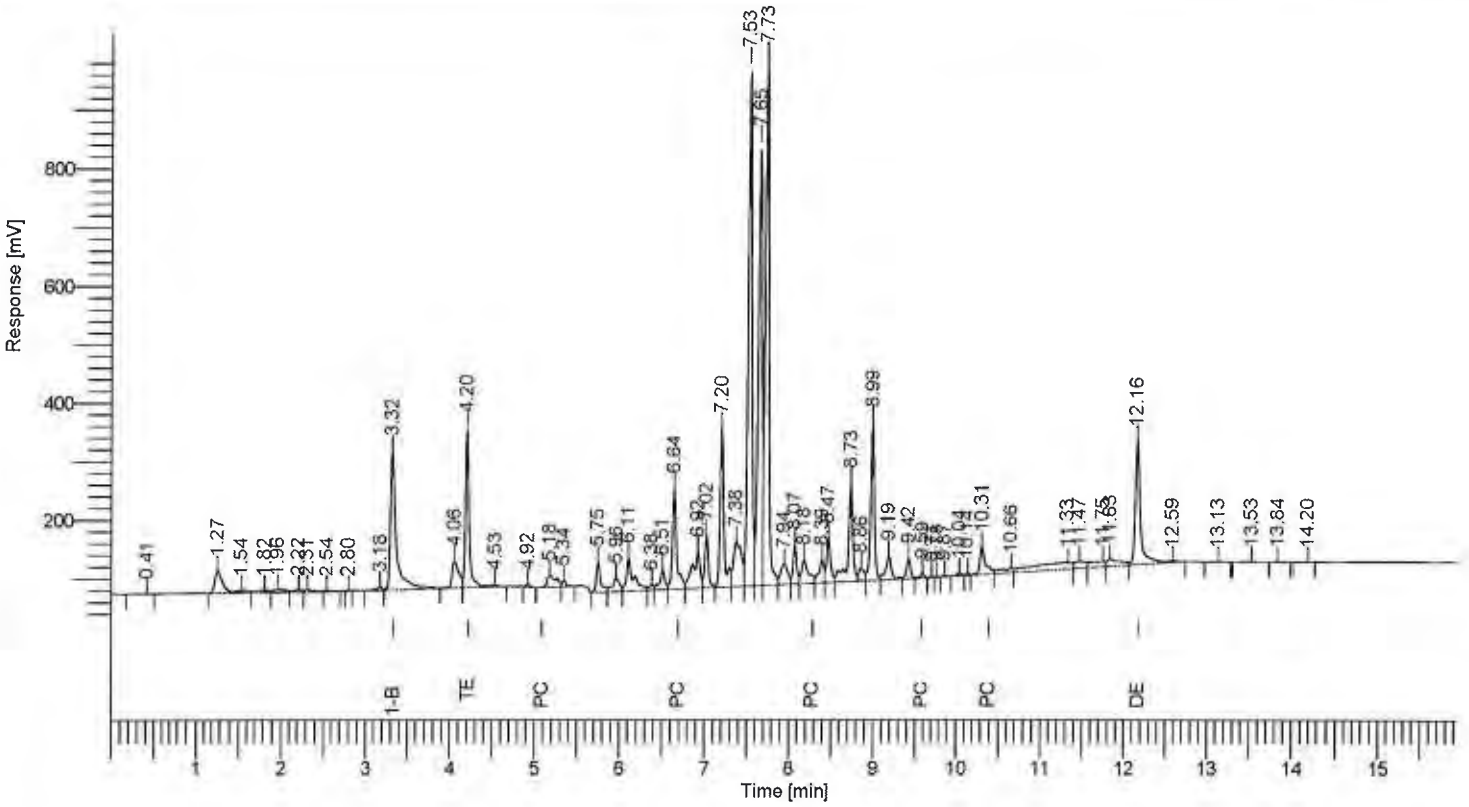
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
16	1-Bromo-2-Nitrobenzene	3.32	1278882.97	227592.50	----------
18	Tetra chloro-meta-xylene	4.20	813995.65	275316.01	111.280
	PCB (1016+1260)	6.64	1127921.52	244364.97	0.326
62	Decachlorobiphenyl	12.16	941939.57	240909.35	80.377
			4162739.70	988182.83	191.984

Software Version : 6.3.2.0646
Sample Name : 171108-87 0.2/2
Instrument Name : GC-E
Rack/Vial : 0/23
Sample Amount : 1.000000
Cycle : 23

Date : 11/14/2017 10:19:11 AM
Data Acquisition Time : 11/11/2017 12:19:37 AM
Channel : B
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B023.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



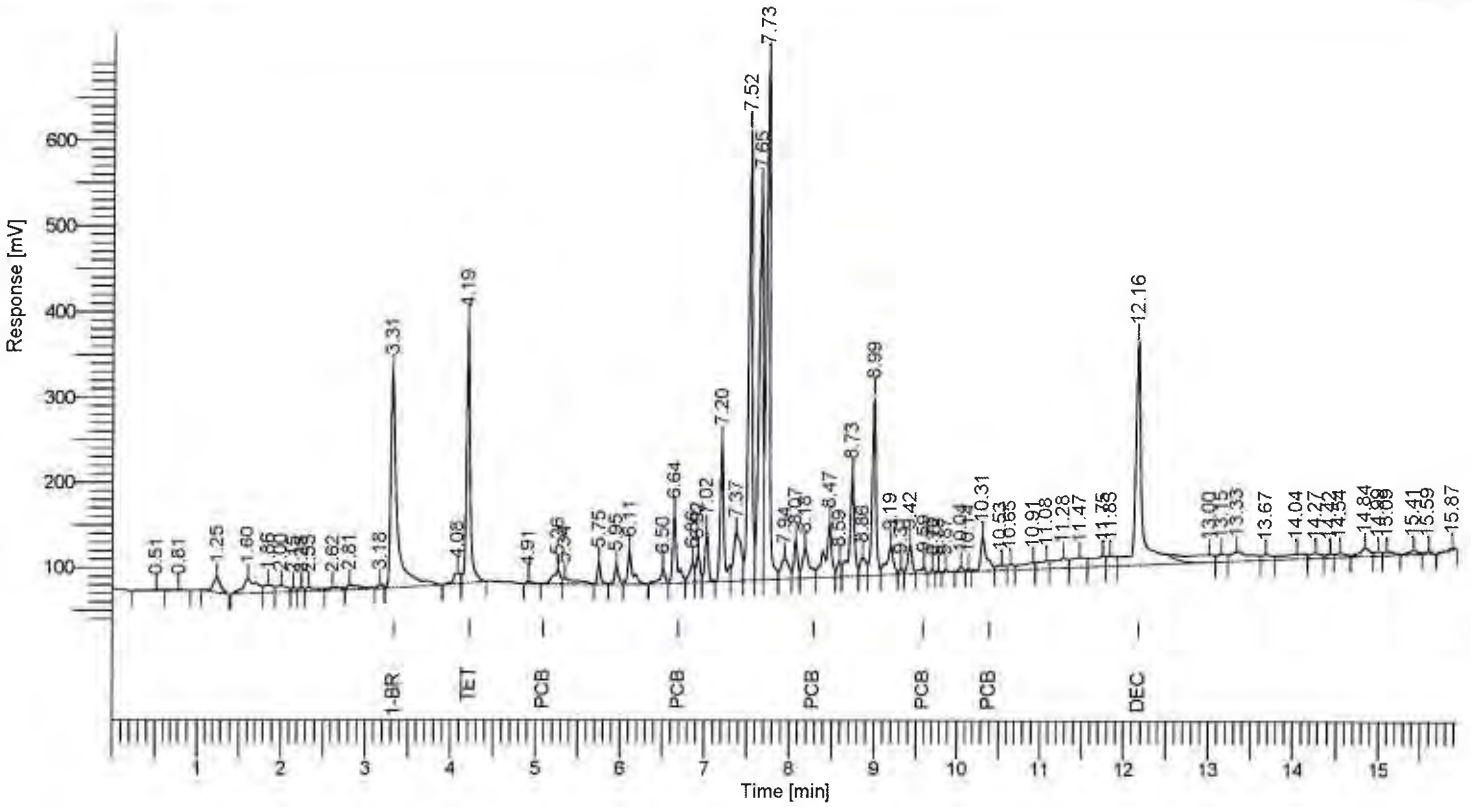
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
11	1-Bromo-2-Nitrobenzene	3.32	1155402.12	233719.29	----------
13	Tetra chloro-meta-xylene	4.20	800396.18	261414.19	121.115
	PCB (1016+1260)	6.64	1229853.20	279361.34	0.393
53	Decachlorobiphenyl	12.16	893334.46	210016.35	84.377
			4078985.96	984511.18	205.885

Software Version : 6.3.2.0646
Sample Name : 171108-88 0.5/40 RE
Instrument Name : GC-E
Rack/Vial : 0/9
Sample Amount : 1.000000
Cycle : 9

Date : 11/14/2017 11:08:03 AM
Data Acquisition Time : 11/13/2017 12:23:39 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B095.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



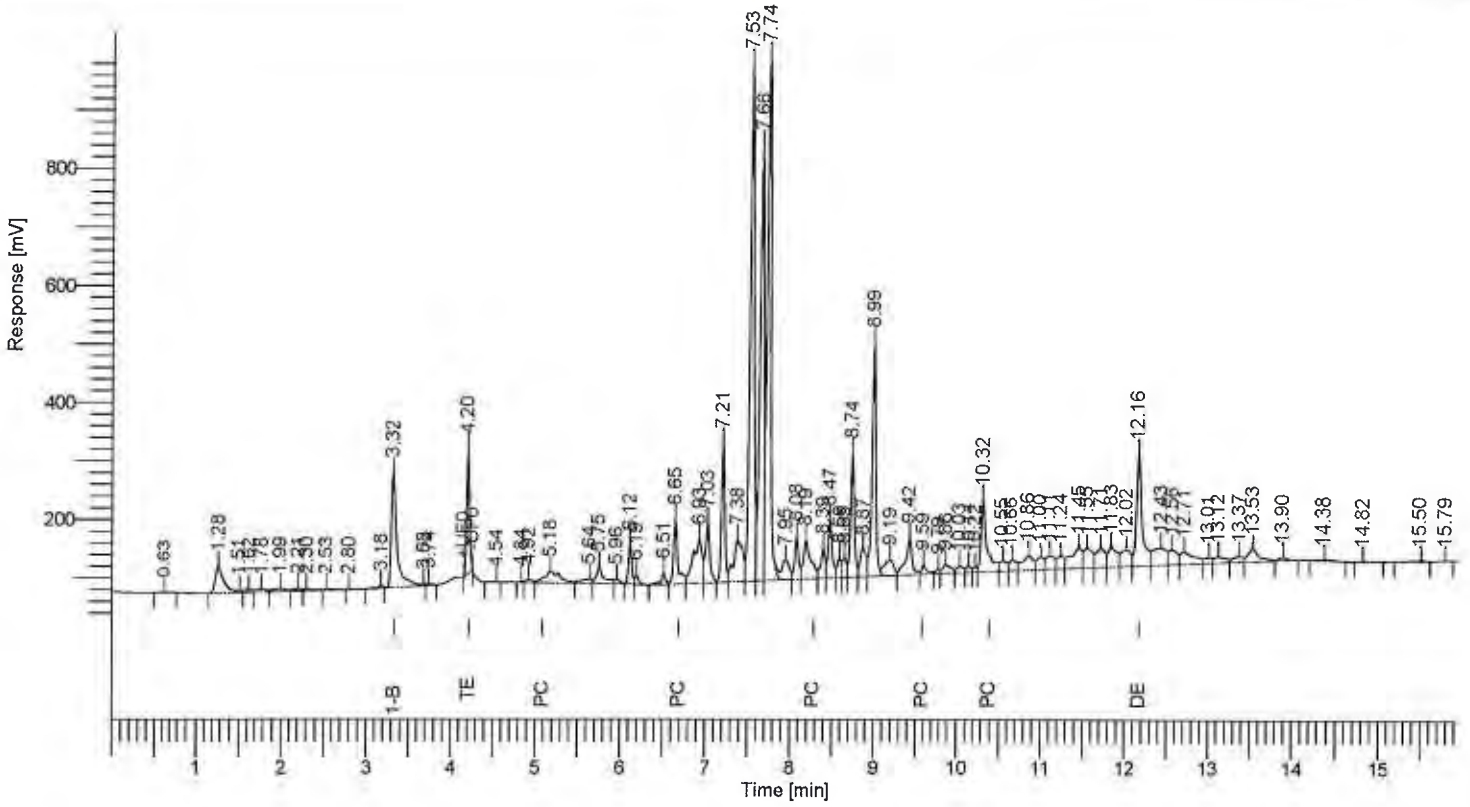
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
13	1-Bromo-2-Nitrobenzene	3.31	1323824.51	254378.10	----------
15	Tetra chloro-meta-xylene	4.19	877628.44	292768.53	115.906
	PCB (1016+1260)	6.64	739142.62	163837.37	0.206
58	Decachlorobiphenyl	12.16	1426608.04	261257.83	117.602
			4367203.62	972241.83	233.715

Software Version : 6.3.2.0646
Sample Name : 171108-90 0.25/2
Instrument Name : GC-E
Rack/Vial : 0/26
Sample Amount : 1.000000
Cycle : 26

Date : 11/14/2017 10:21:37 AM
Data Acquisition Time : 11/11/2017 1:21:51 AM
Channel : B
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B026.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



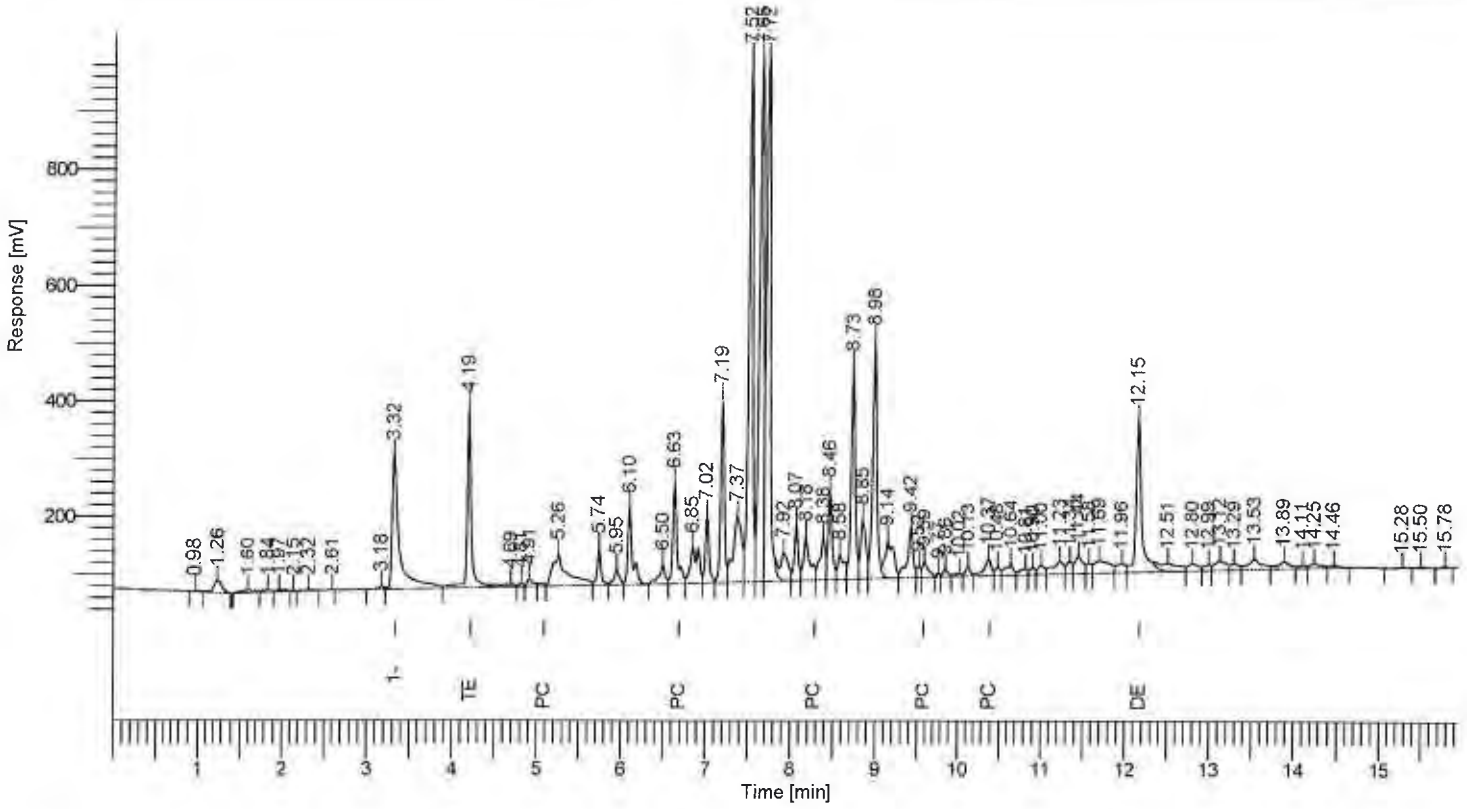
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Adjusted Amount
12	1-Bromo-2-Nitrobenzene	3.32	897785.48	194786.89	----------
15	Tetra chloro-meta-xylene	4.20	497574.31	214512.58	96.898
	PCB (1016+1260)	10.32	1705279.58	326495.53	0.702
64	Decachlorobiphenyl	12.16	888587.67	189164.33	108.011
			3989227.04	924959.33	205.611

Software Version : 6.3.2.0646
Sample Name : 171108-91 0.2/40 RE
Instrument Name : GC-E
Rack/Vial : 0/10
Sample Amount : 1.000000
Cycle : 10

Date : 11/14/2017 11:08:32 AM
Data Acquisition Time : 11/13/2017 12:44:04 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B096.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



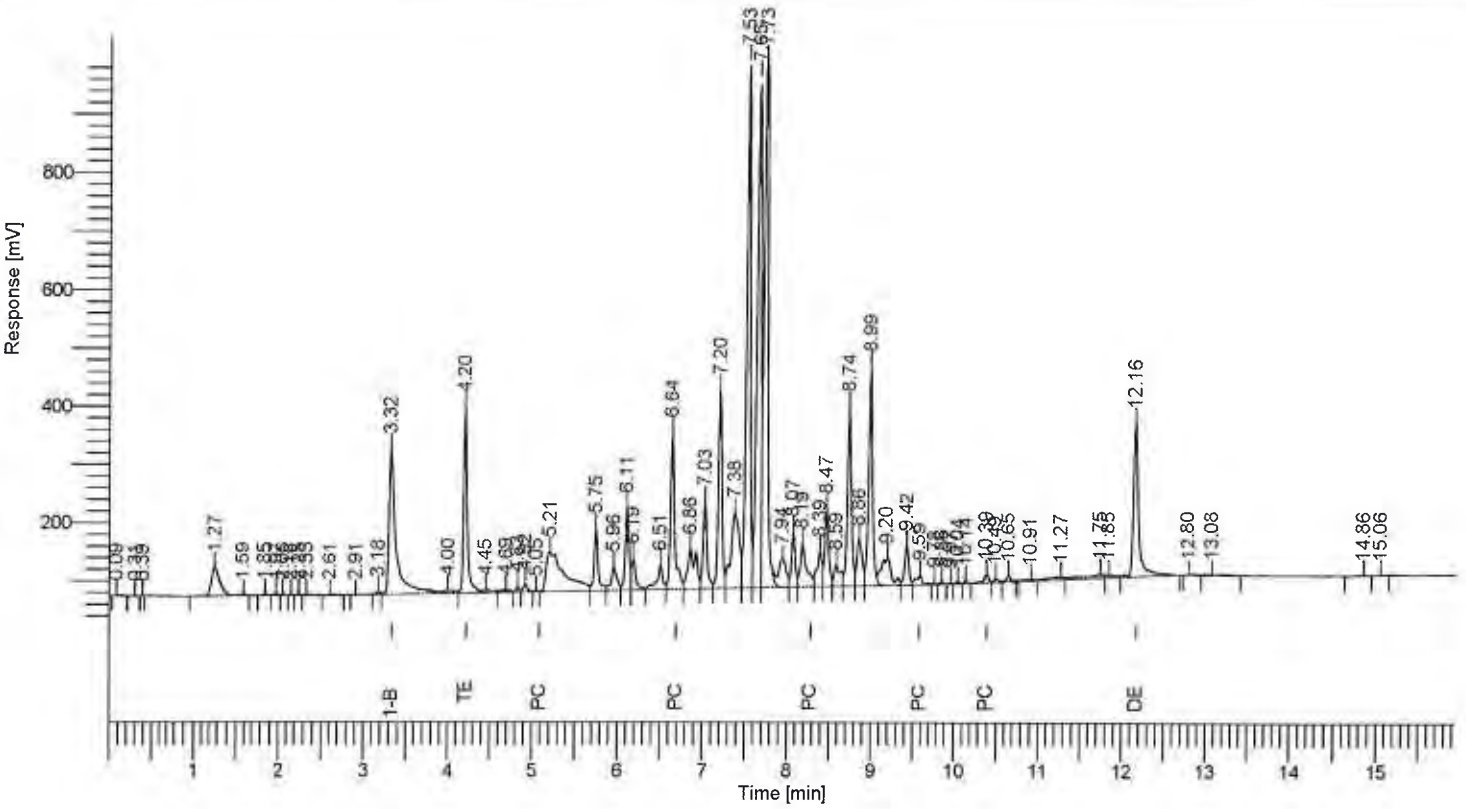
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
10	1-Bromo-2-Nitrobenzene	3.32	1409554.84	230333.53	----------
11	Tetra chloro-meta-xylene	4.19	1002410.73	300397.58	124.334
	PCB (1016+1260)	6.63	1296206.15	301195.39	0.340
57	Decachlorobiphenyl	12.15	1236057.71	260989.86	95.697
			4944229.44	1092916.36	220.371

Software Version : 6.3.2.0646
Sample Name : 171108-92 0.2/40 RE
Instrument Name : GC-E
Rack/Vial : 0/11
Sample Amount : 1.000000
Cycle : 12

Date : 11/14/2017 11:09:24 AM
Data Acquisition Time : 11/13/2017 1:25:04 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B098.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



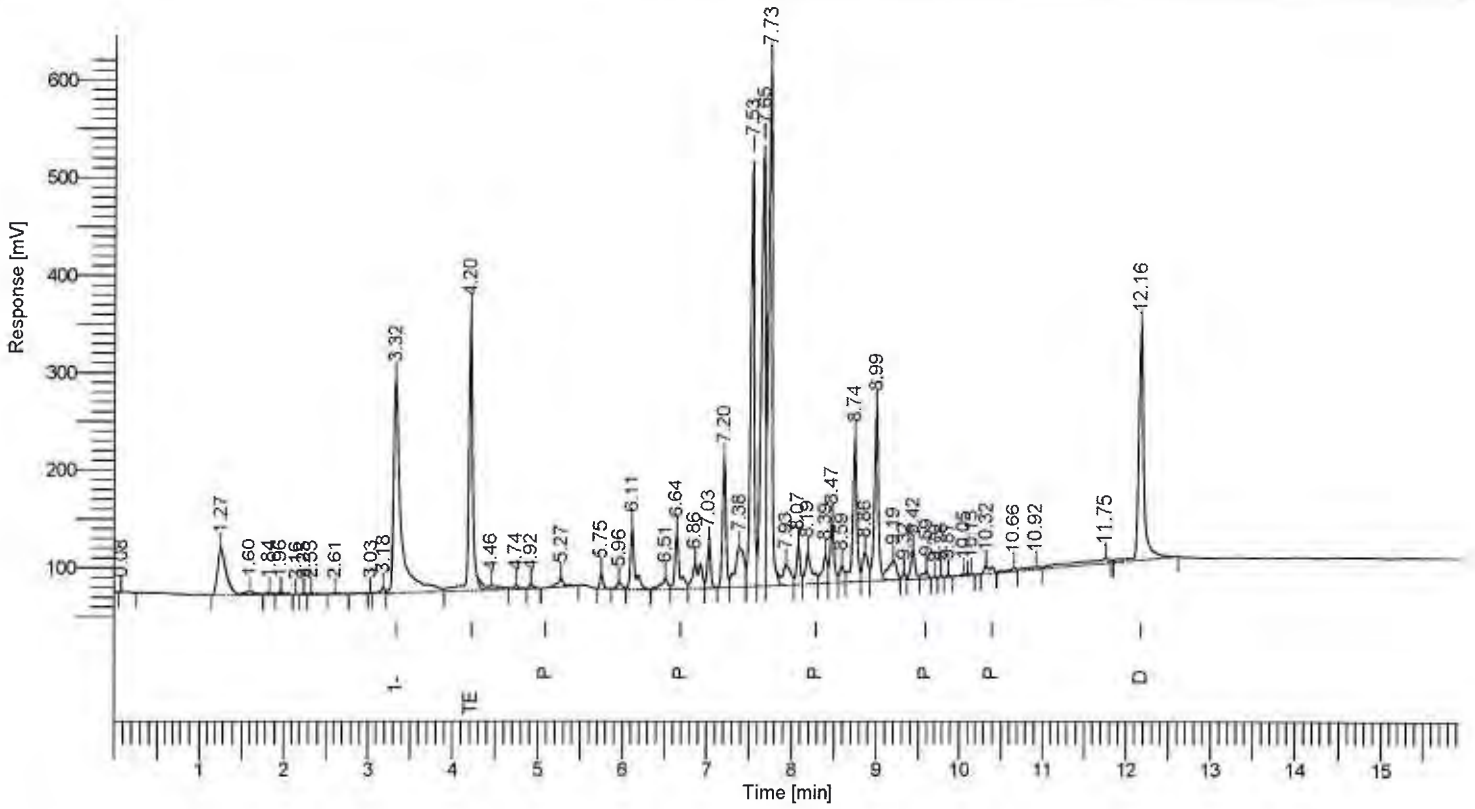
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
15	1-Bromo-2-Nitrobenzene	3.32	1432101.75	249293.18	----------
17	Tetra chloro-meta-xylene	4.20	928892.49	307218.20	113.402
	PCB (1016+1260)	6.64	1463837.31	365580.17	0.378
61	Decachlorobiphenyl	12.16	1126983.15	261521.24	85.879
			4951814.69	1183612.78	199.658

Software Version : 6.3.2.0646
Sample Name : 171108-93 0.2/40 RE
Instrument Name : GC-E
Rack/Vial : 0/12
Sample Amount : 1.000000
Cycle : 13

Date : 11/14/2017 11:12:59 AM
Data Acquisition Time : 11/13/2017 1:45:32 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B099.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq

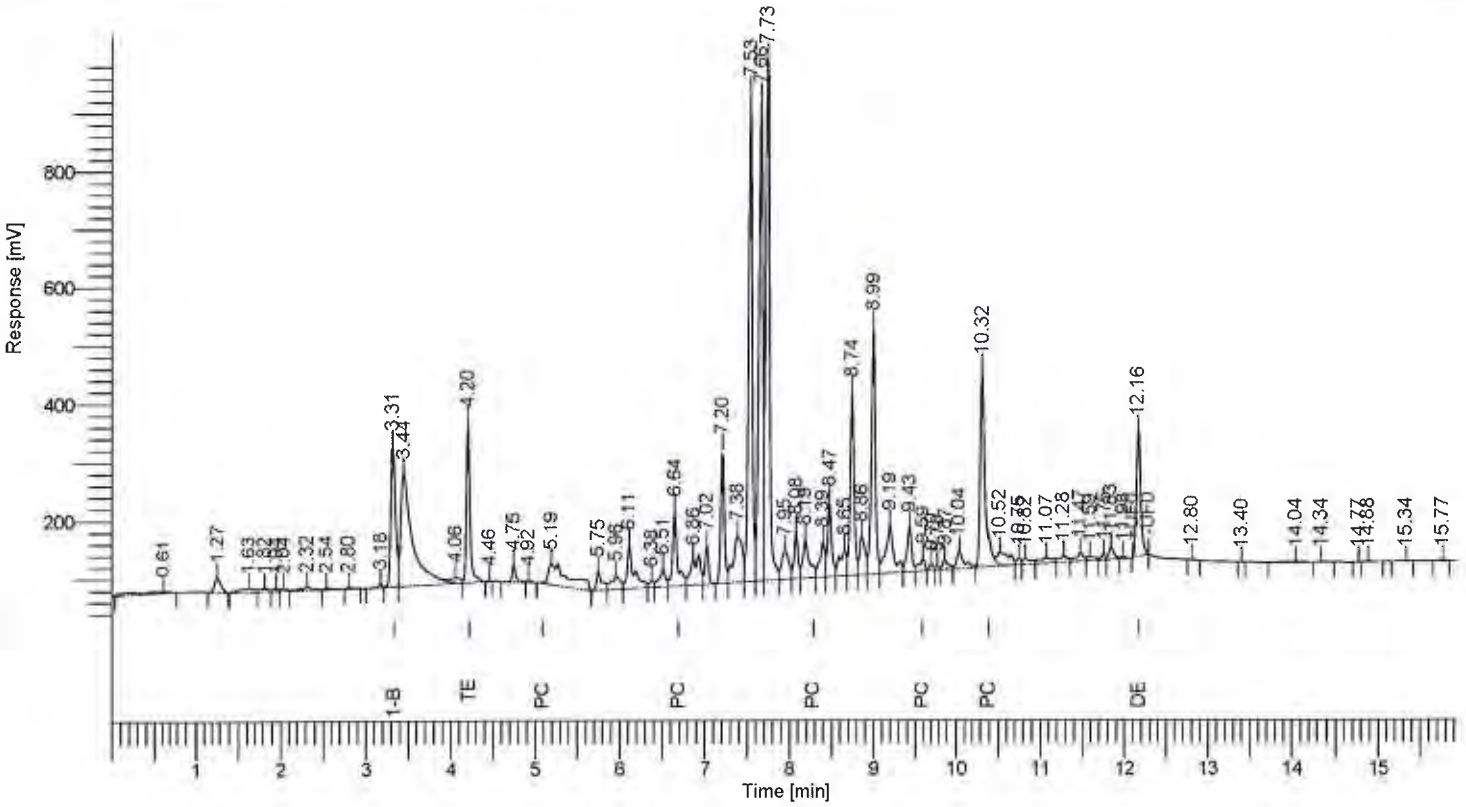


PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
12	1-Bromo-2-Nitrobenzene	3.32	1318969.00	220873.67	----------
13	Tetra chloro-meta-xylene	4.20	886056.33	276950.63	117.450
	PCB (1016+1260)	6.64	468609.97	103143.56	0.131
52	Decachlorobiphenyl	12.16	1003143.02	237688.90	82.999
			3676778.32	838656.77	200.580

Software Version	: 6.3.2.0646	Date	: 11/14/2017 10:28:58 AM
Sample Name	: 171108-96 0.2/2	Data Acquisition Time	: 11/11/2017 4:48:56 AM
Instrument Name	: GC-E	Channel	: B
Rack/Vial	: 0/35	Operator	: GC
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 36		

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B036.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



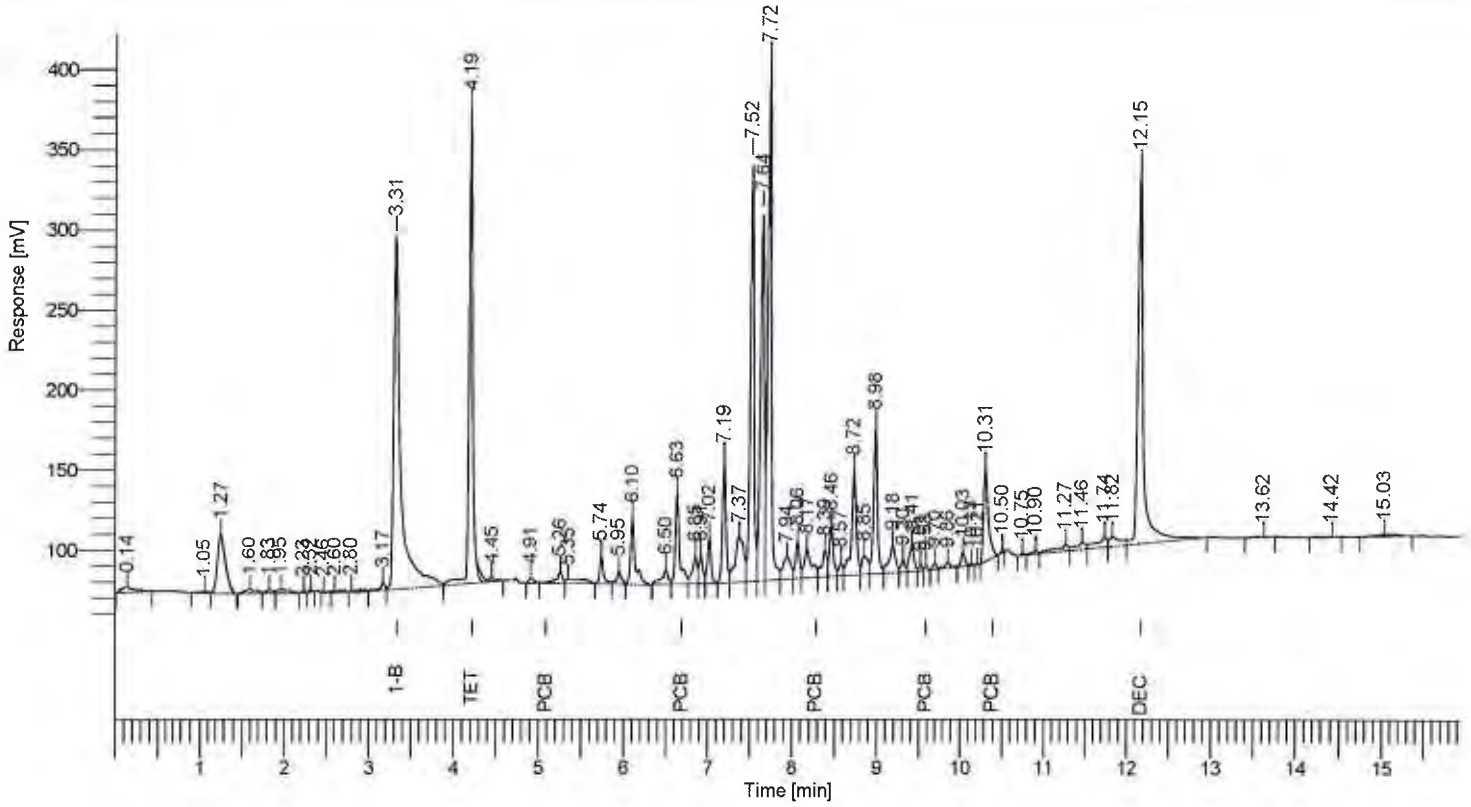
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
11	1-Bromo-2-Nitrobenzene	3.31	905465.38	239377.77	----------
14	Tetra chloro-meta-xylene	4.20	773151.31	262872.42	149.286
	PCB (1016+1260)	10.32	2917293.40	579595.74	1.191
59	Decachlorobiphenyl	12.16	747624.82	216151.92	90.106
			5343534.90	1297997.86	240.583

Software Version : 6.3.2.0646
Sample Name : 171108-97 0.2/40 RE
Instrument Name : GC-E
Rack/Vial : 0/13
Sample Amount : 1.000000
Cycle : 14

Date : 11/14/2017 11:13:21 AM
Data Acquisition Time : 11/13/2017 2:06:01 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B100.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



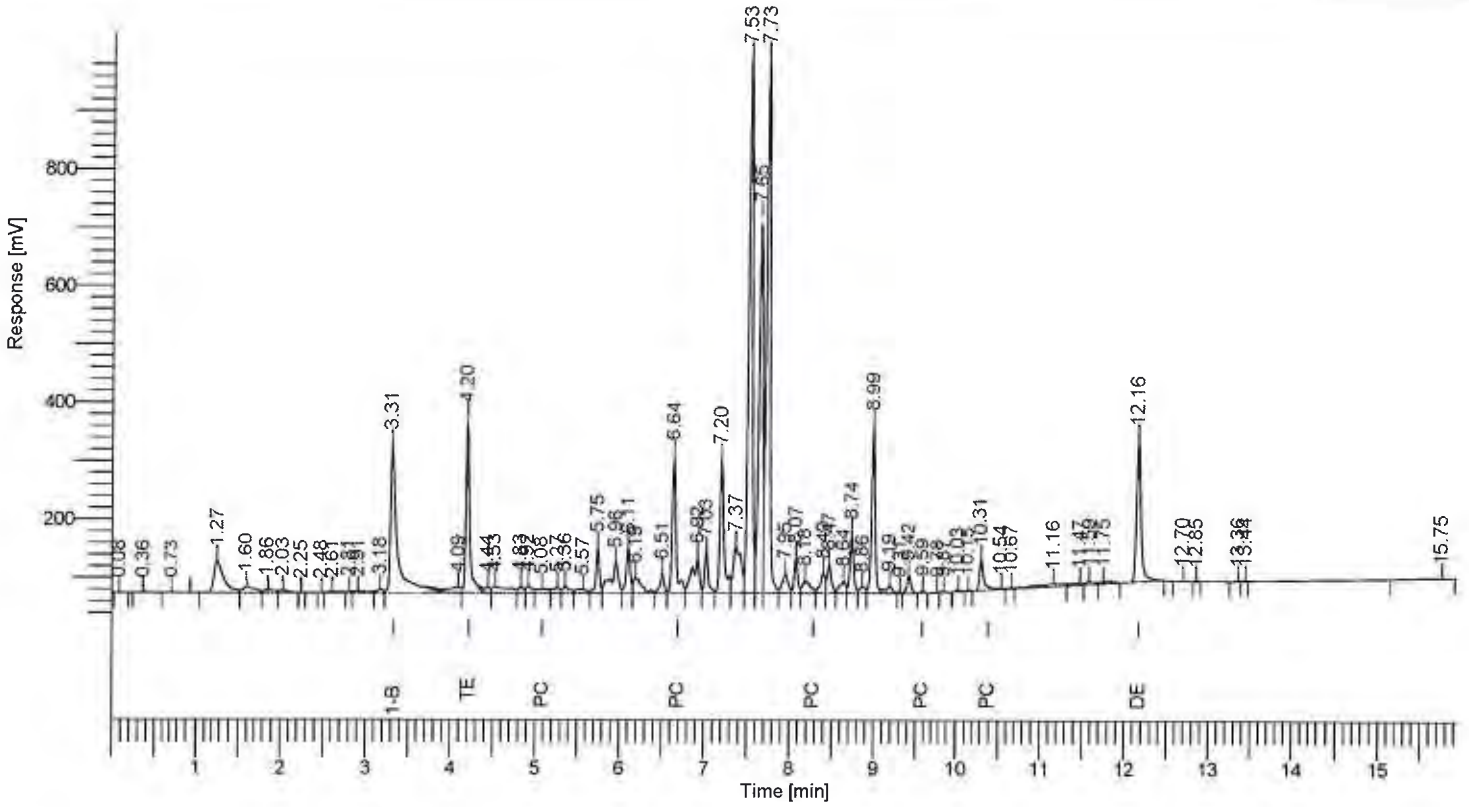
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
13	1-Bromo-2-Nitrobenzene	3.31	1303707.03	224042.21	----------
14	Tetra chloro-meta-xylene	4.19	862239.95	287127.95	115.631
	PCB (1016+1260)	10.31	559564.28	137441.52	0.159
59	Decachlorobiphenyl	12.15	1048377.17	233799.54	87.757
			3773888.43	882411.22	203.547

Software Version : 6.3.2.0646
Sample Name : 171108-102 2/40 RE
Instrument Name : GC-E
Rack/Vial : 0/14
Sample Amount : 1.000000
Cycle : 15

Date : 11/14/2017 11:13:51 AM
Data Acquisition Time : 11/13/2017 2:26:25 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B101.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



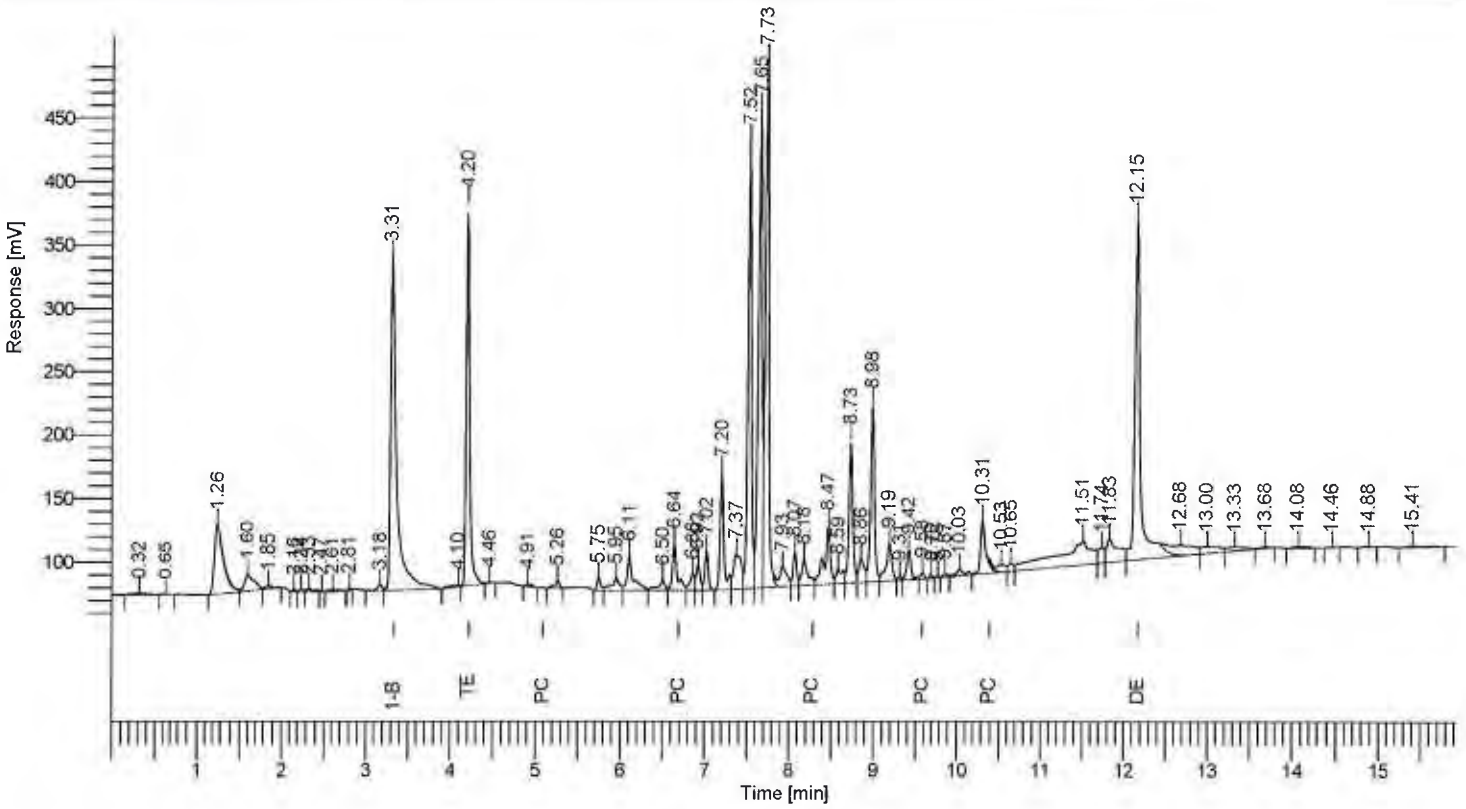
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
14	1-Bromo-2-Nitrobenzene	3.31	1448954.17	253516.10	----------
16	Tetra chloro-meta-xylene	4.20	908056.22	285837.84	109.568
	PCB (1016+1260)	6.64	1176772.08	312754.39	0.300
62	Decachlorobiphenyl	12.16	874372.70	239797.85	65.854
			4408155.17	1091906.18	175.723

Software Version : 6.3.2.0646
Sample Name : 171108-103 0.2/40 RE
Instrument Name : GC-E
Rack/Vial : 0/15
Sample Amount : 1.000000
Cycle : 16

Date : 11/14/2017 11:14:17 AM
Data Acquisition Time : 11/13/2017 2:46:54 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B102.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



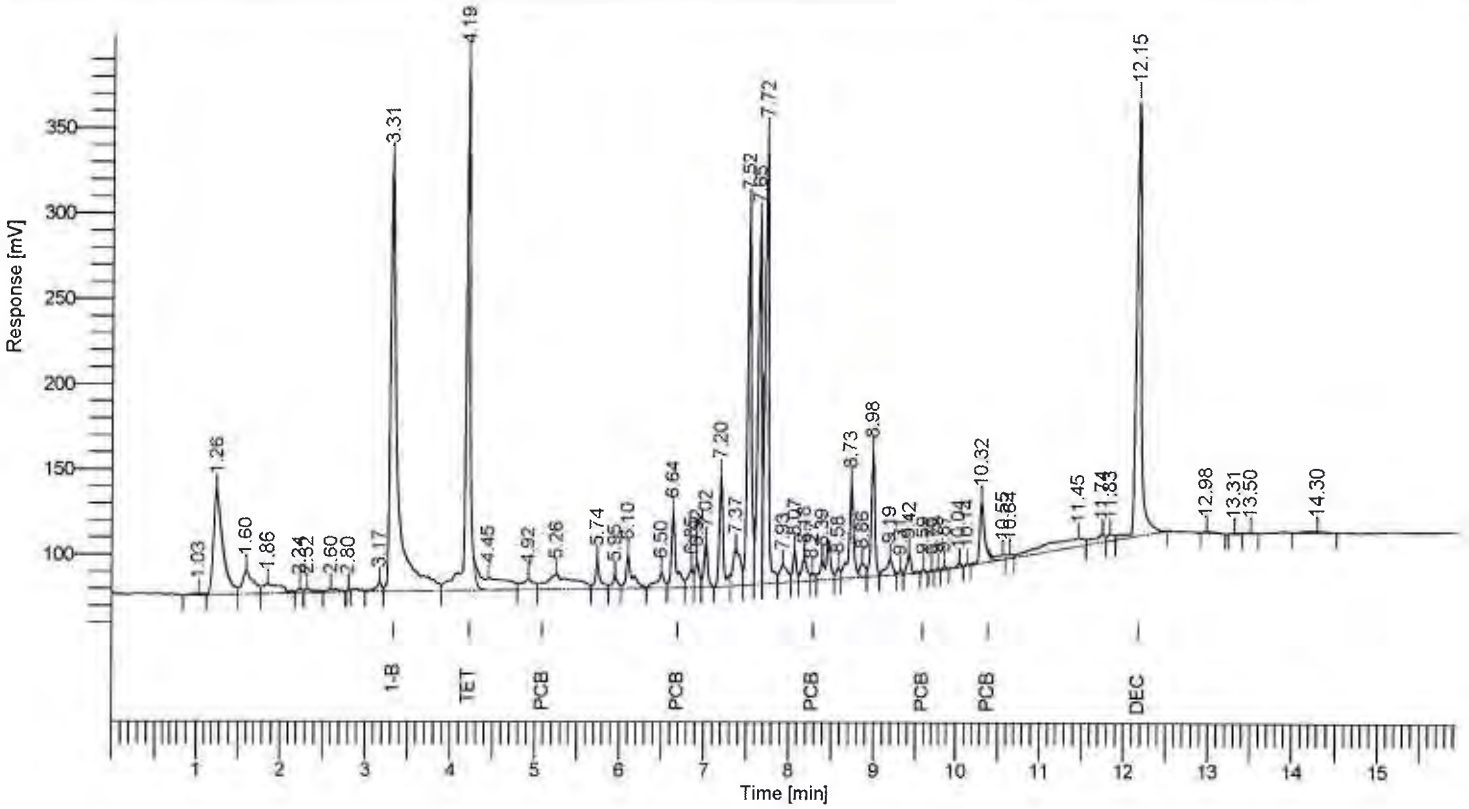
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
13	1-Bromo-2-Nitrobenzene	3.31	1284777.93	261232.09	----------
15	Tetra chloro-meta-xylene	4.20	819844.32	285787.44	111.566
	PCB (1016+1260)	10.31	454519.39	103663.41	0.131
54	Decachlorobiphenyl	12.15	1242093.50	266311.12	105.504
			3801235.14	916994.06	217.200

Software Version : 6.3.2.0646
Sample Name : 171108-104 0.2/40 RE
Instrument Name : GC-E
Rack/Vial : 0/16
Sample Amount : 1.000000
Cycle : 17

Date : 11/14/2017 11:15:57 AM
Data Acquisition Time : 11/13/2017 3:07:27 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B103.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



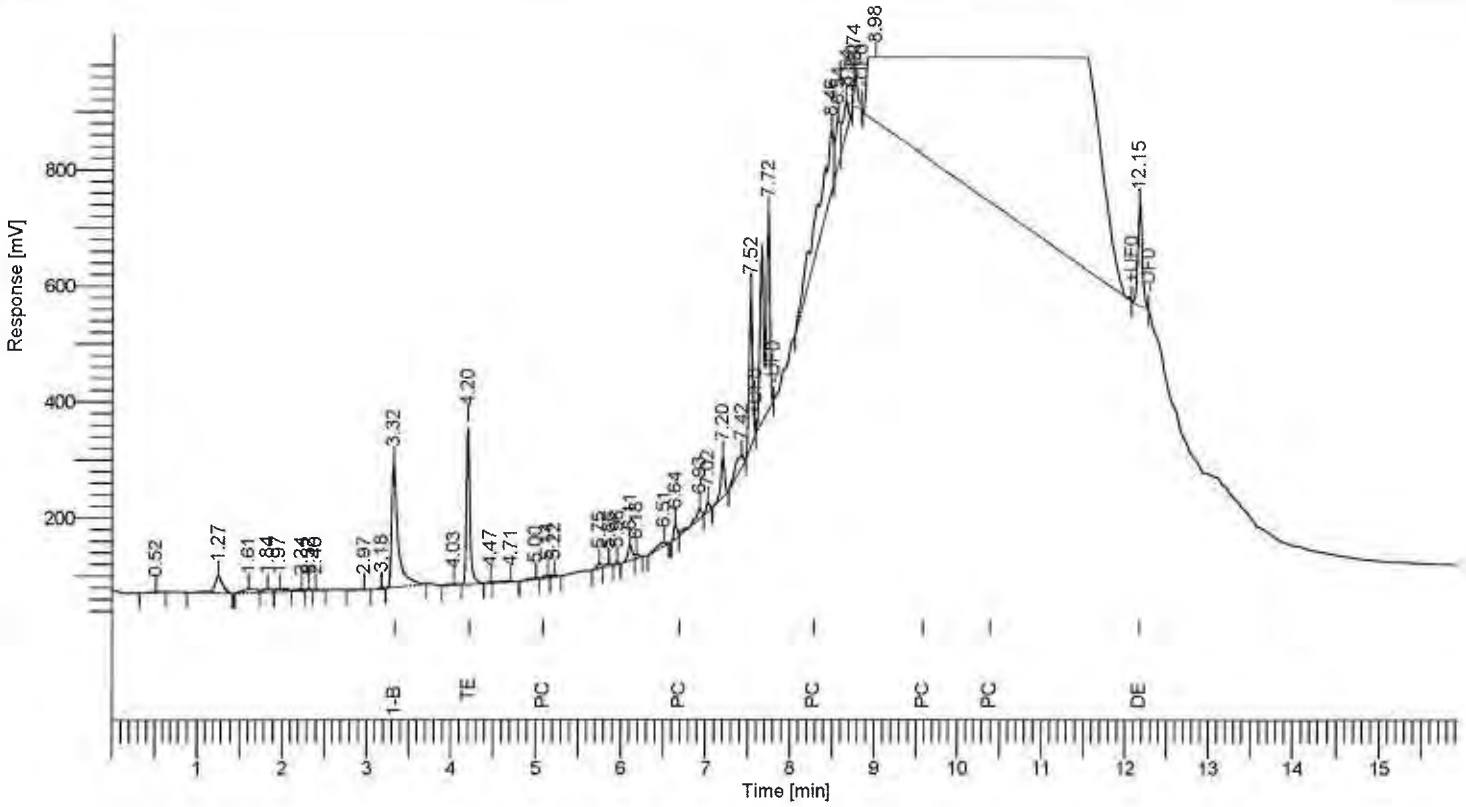
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
10	1-Bromo-2-Nitrobenzene	3.31	1424439.78	251559.79	----------
11	Tetra chloro-meta-xylene	4.19	995688.65	299362.05	122.210
	PCB (1016+1260)	6.64	401373.12	90706.80	0.104
52	Decachlorobiphenyl	12.15	995362.37	254325.39	76.257
			3816863.91	895954.02	198.571

Software Version : 6.3.2.0646
Sample Name : 171108-105 0.5/100 RE
Instrument Name : GC-E
Rack/Vial : 0/17
Sample Amount : 1.000000
Cycle : 18

Date : 11/14/2017 11:16:23 AM
Data Acquisition Time : 11/13/2017 3:27:56 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B104.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



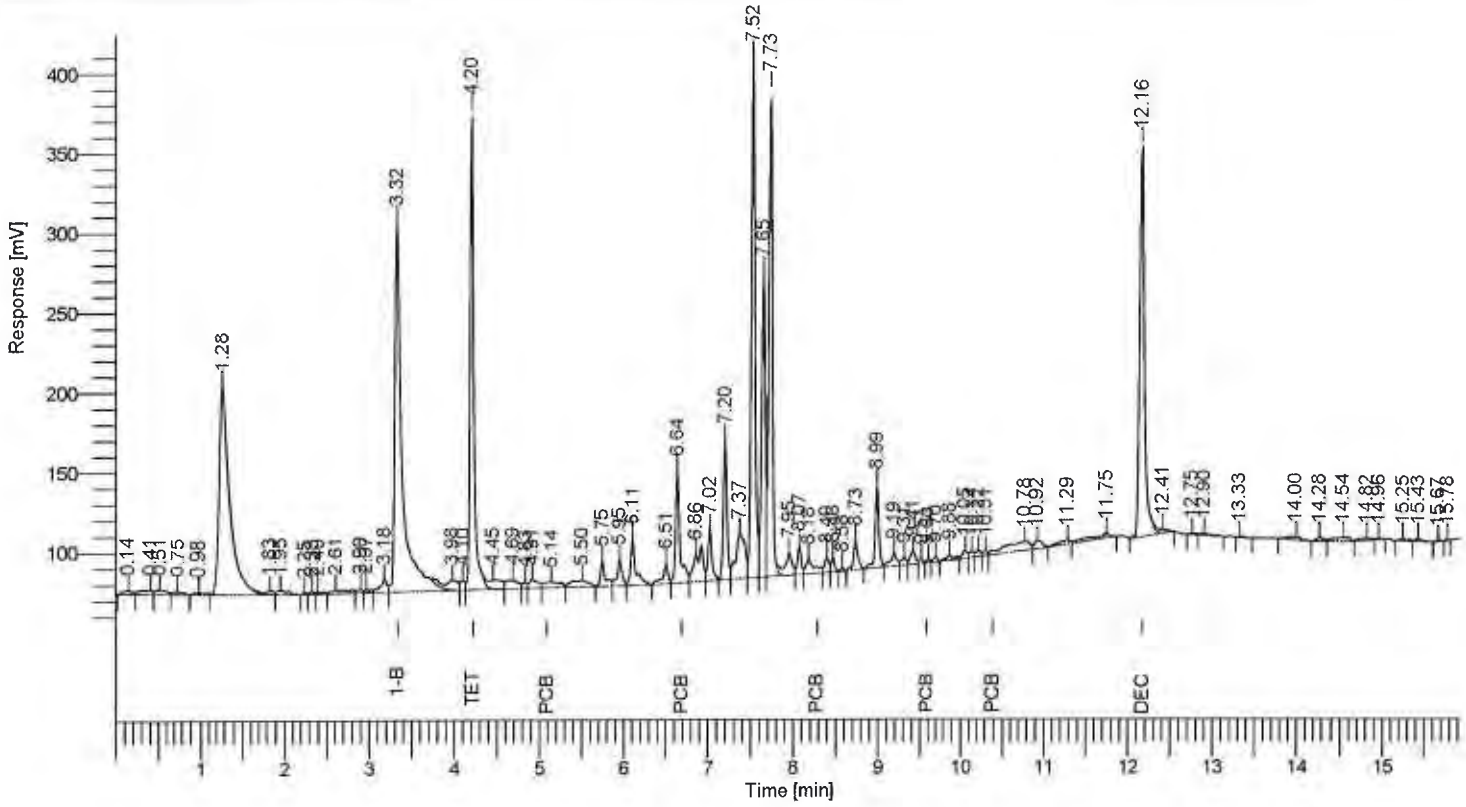
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Adjusted Amount
11	1-Bromo-2-Nitrobenzene	3.32	1112247.00	215704.97	----------
13	Tetra chloro-meta-xylene	4.20	785893.49	265712.26	123.535
	PCB (1016+1260)	6.64	96480.59	28445.17	0.032
37	Decachlorobiphenyl	12.15	642621.57	176541.93	63.052
			2637242.66	686404.33	186.619

Software Version : 6.3.2.0646
Sample Name : 171108-109 0.5/20 RE
Instrument Name : GC-E
Rack/Vial : 0/18
Sample Amount : 1.000000
Cycle : 19

Date : 11/14/2017 11:17:20 AM
Data Acquisition Time : 11/13/2017 3:48:28 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B105.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



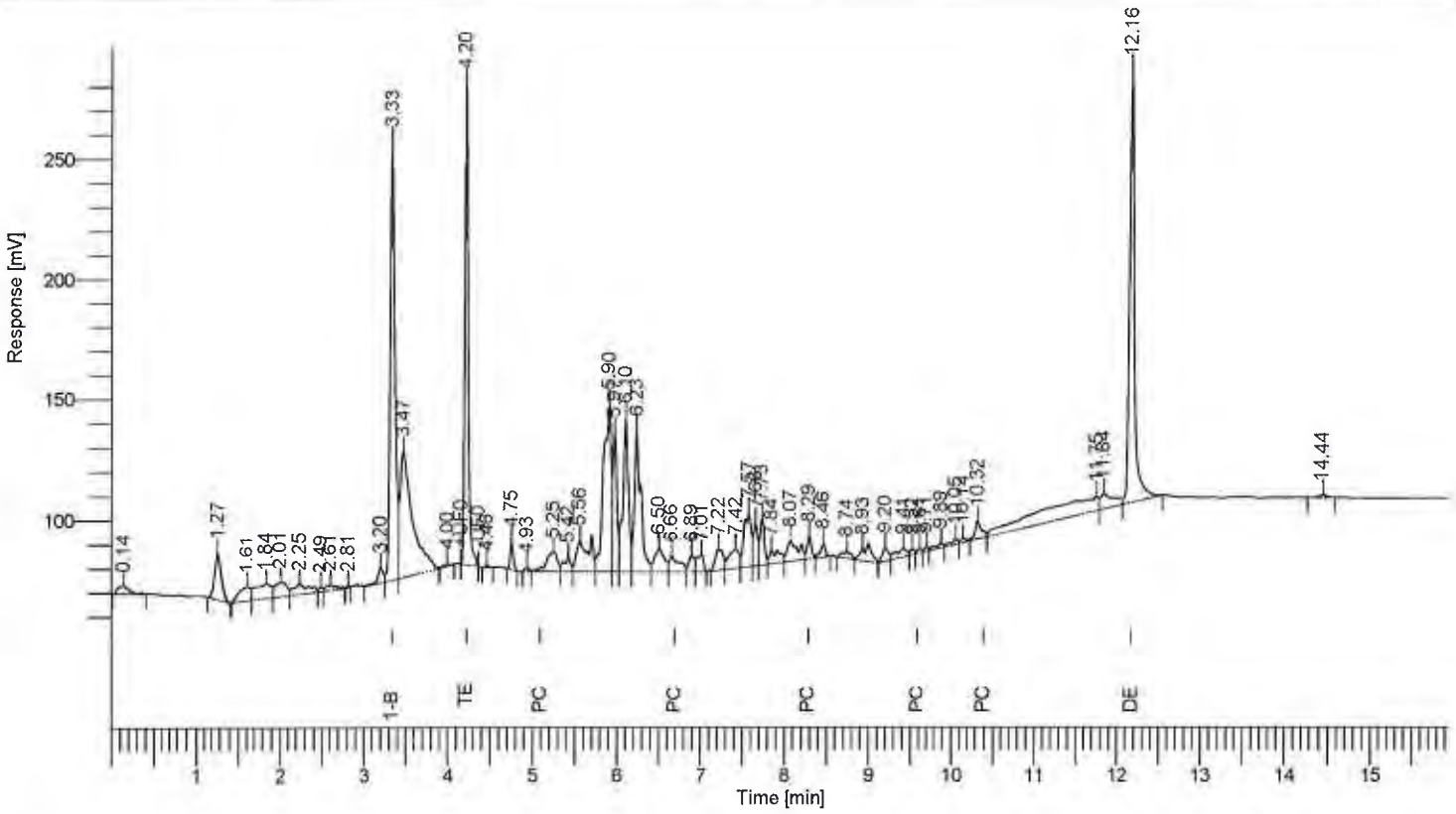
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
16	1-Bromo-2-Nitrobenzene	3.32	1412424.37	232044.59	----------
19	Tetra chloro-meta-xylene	4.20	914881.99	289148.18	113.247
	PCB (1016+1260)	6.64	386304.97	85223.67	0.101
61	Decachlorobiphenyl	12.16	945283.66	243394.31	73.036
			3658894.98	849810.75	186.385

Software Version : 6.3.2.0646
Sample Name : 171108-114 0.1/2
Instrument Name : GC-E
Rack/Vial : 0/57
Sample Amount : 1.000000
Cycle : 59

Date : 11/14/2017 10:43:21 AM
Data Acquisition Time : 11/11/2017 12:41:40 PM
Channel : B
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B059.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



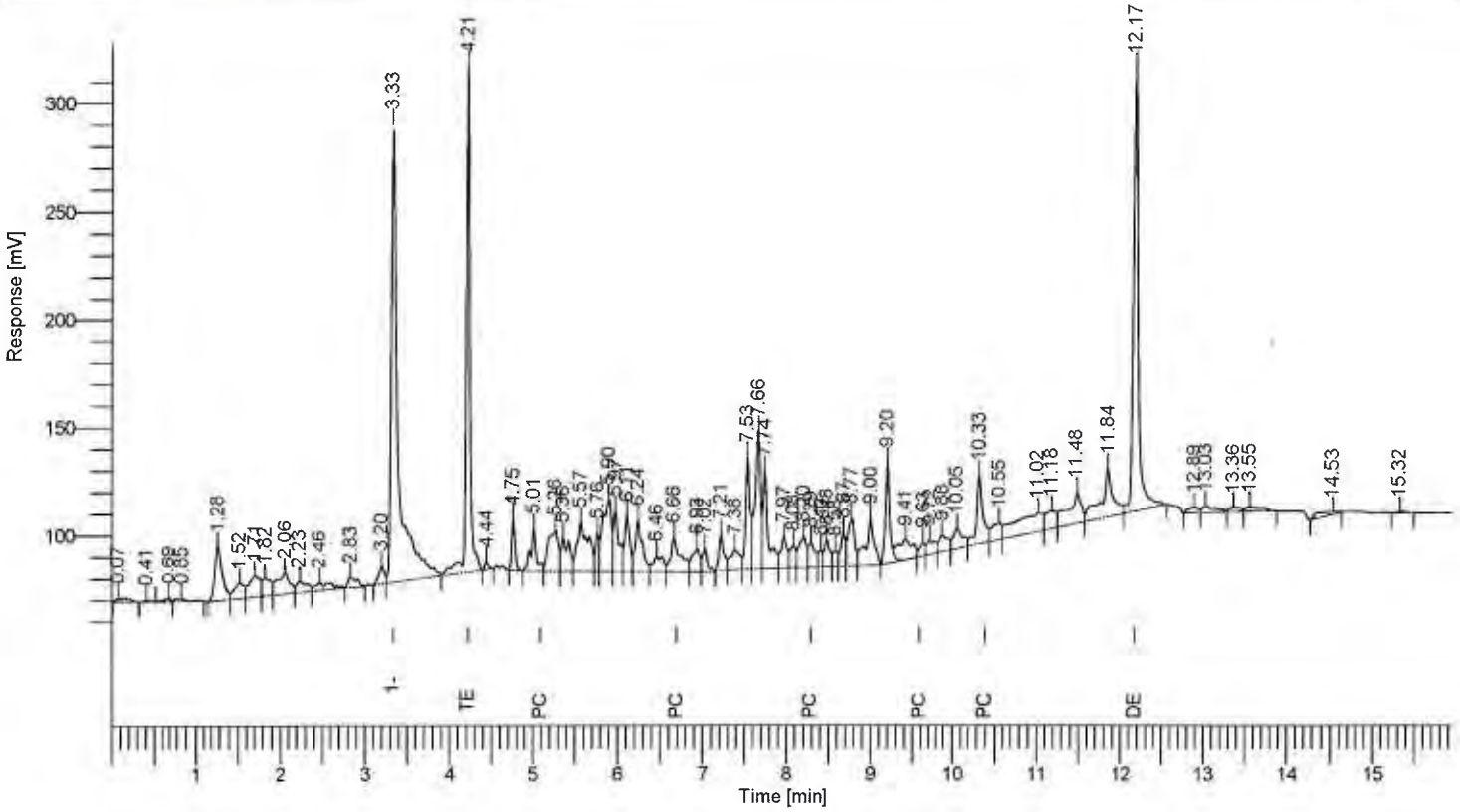
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
11	1-Bromo-2-Nitrobenzene	3.33	726282.35	180121.88	----------
14	Tetra chloro-meta-xylene	4.20	554191.20	199623.67	133.408
	PCB (1016+1260)	8.29	137740.55	26394.73	0.070
51	Decachlorobiphenyl	12.16	709923.83	178811.59	106.672
			2128137.93	584951.86	240.149

Software Version : 6.3.2.0646
Sample Name : 171108-116 0.1/2
Instrument Name : GC-E
Rack/Vial : 0/59
Sample Amount : 1.000000
Cycle : 61

Date : 11/14/2017 10:44:16 AM
Data Acquisition Time : 11/11/2017 1:22:45 PM
Channel : B
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B061.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



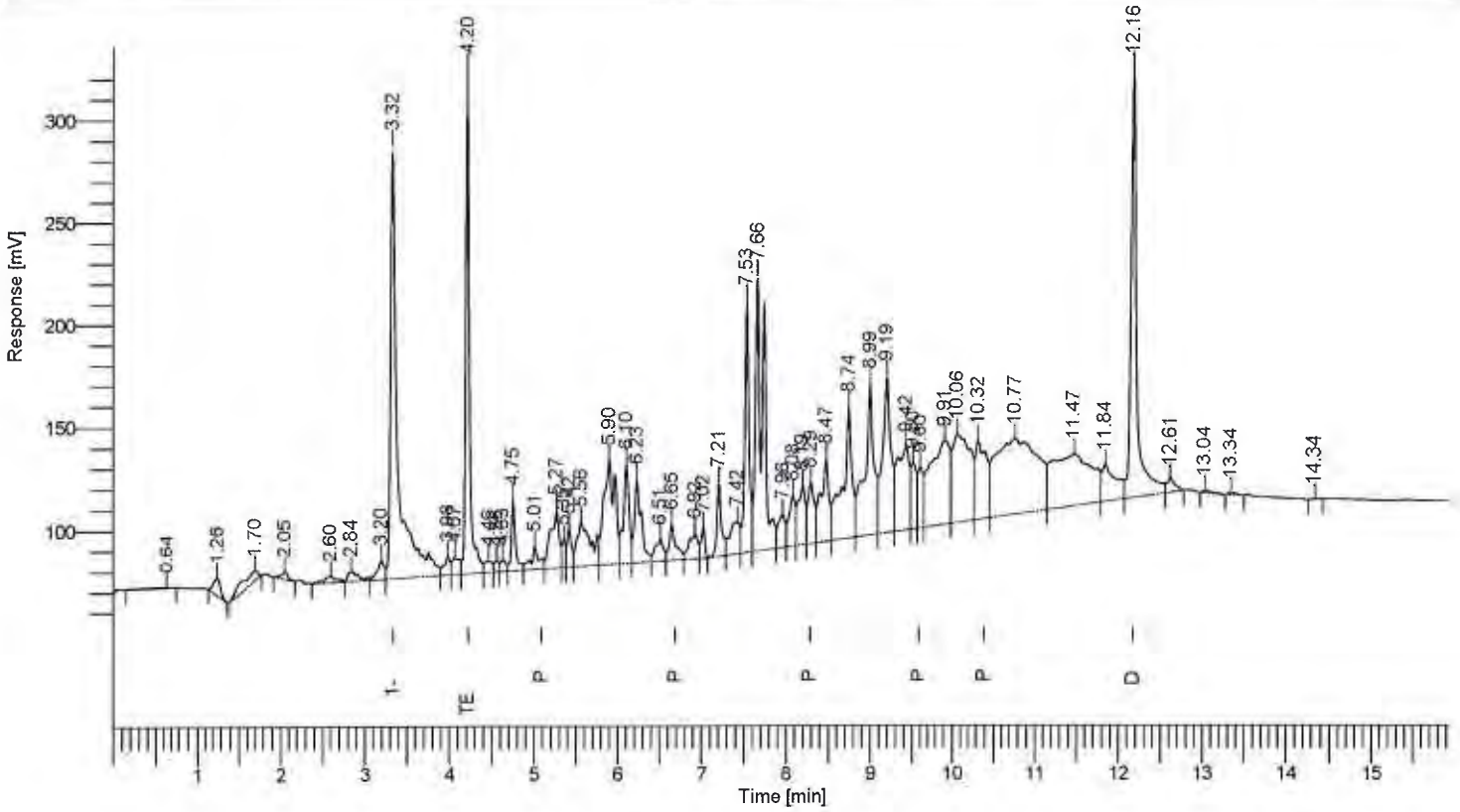
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
14	1-Bromo-2-Nitrobenzene	3.33	1216399.56	208991.88	----------
15	Tetra chloro-meta-xylene	4.21	720024.42	229065.90	103.490
	PCB (1016+1260)	10.33	476058.61	83533.23	0.145
58	Decachlorobiphenyl	12.17	821850.30	203504.87	73.732
			3234332.90	725095.89	177.367

Software Version : 6.3.2.0646
Sample Name : 171108-117 0.1/2
Instrument Name : GC-E
Rack/Vial : 0/60
Sample Amount : 1.000000
Cycle : 62

Date : 11/14/2017 10:44:43 AM
Data Acquisition Time : 11/11/2017 1:43:19 PM
Channel : B
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B062.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



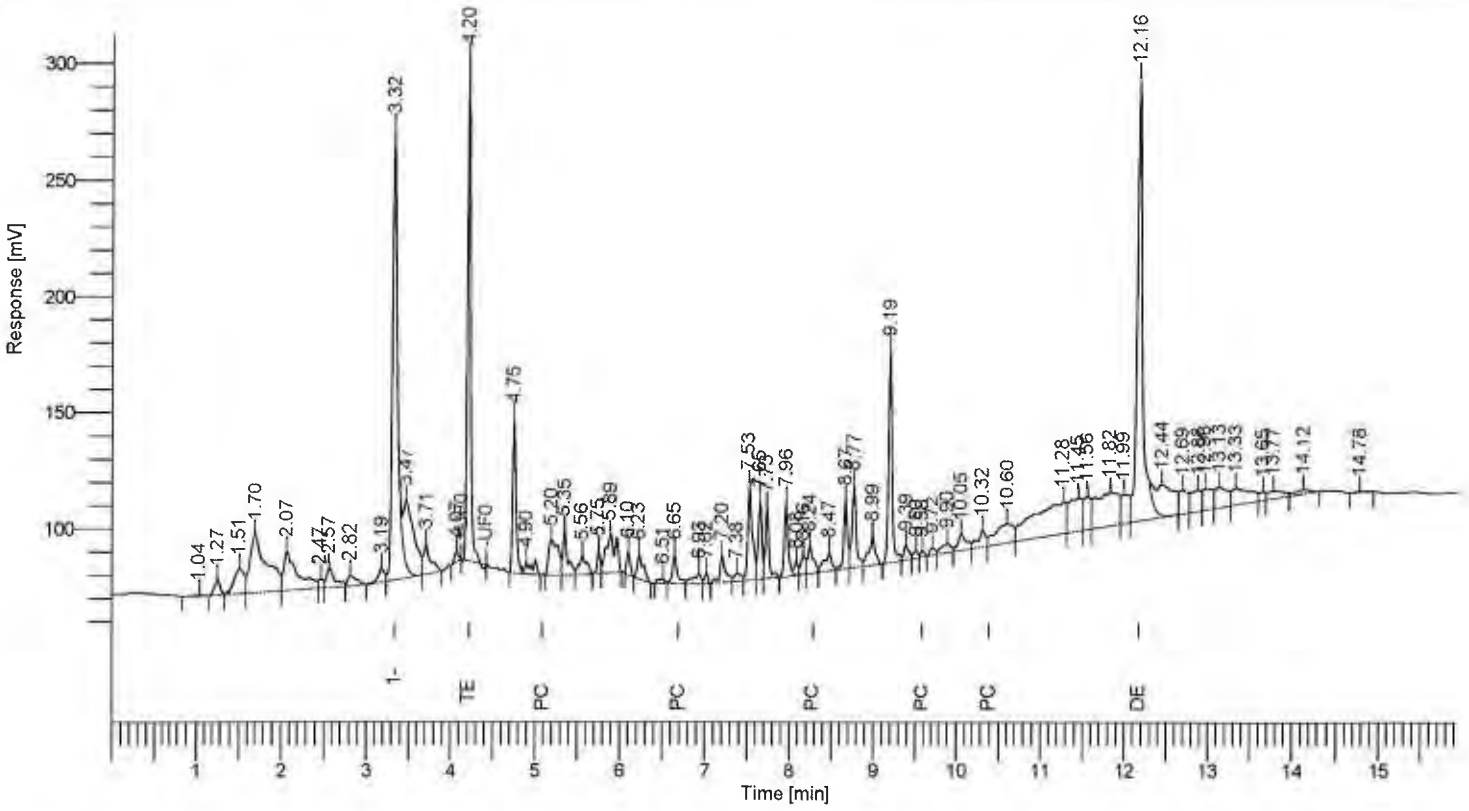
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
8	1-Bromo-2-Nitrobenzene	3.32	1282051.85	209720.36	----------
11	Tetra chloro-meta-xylene	4.20	735487.03	236339.91	100.299
	PCB (1016+1260)	10.32	801692.34	124665.02	0.231
49	Decachlorobiphenyl	12.16	964874.95	209043.90	82.131
			3784106.16	779769.18	182.661

Software Version : 6.3.2.0646
Sample Name : 171108-118 0.1/2
Instrument Name : GC-E
Rack/Vial : 0/61
Sample Amount : 1.000000
Cycle : 63

Date : 11/14/2017 10:45:20 AM
Data Acquisition Time : 11/11/2017 2:03:56 PM
Channel : B
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B063.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



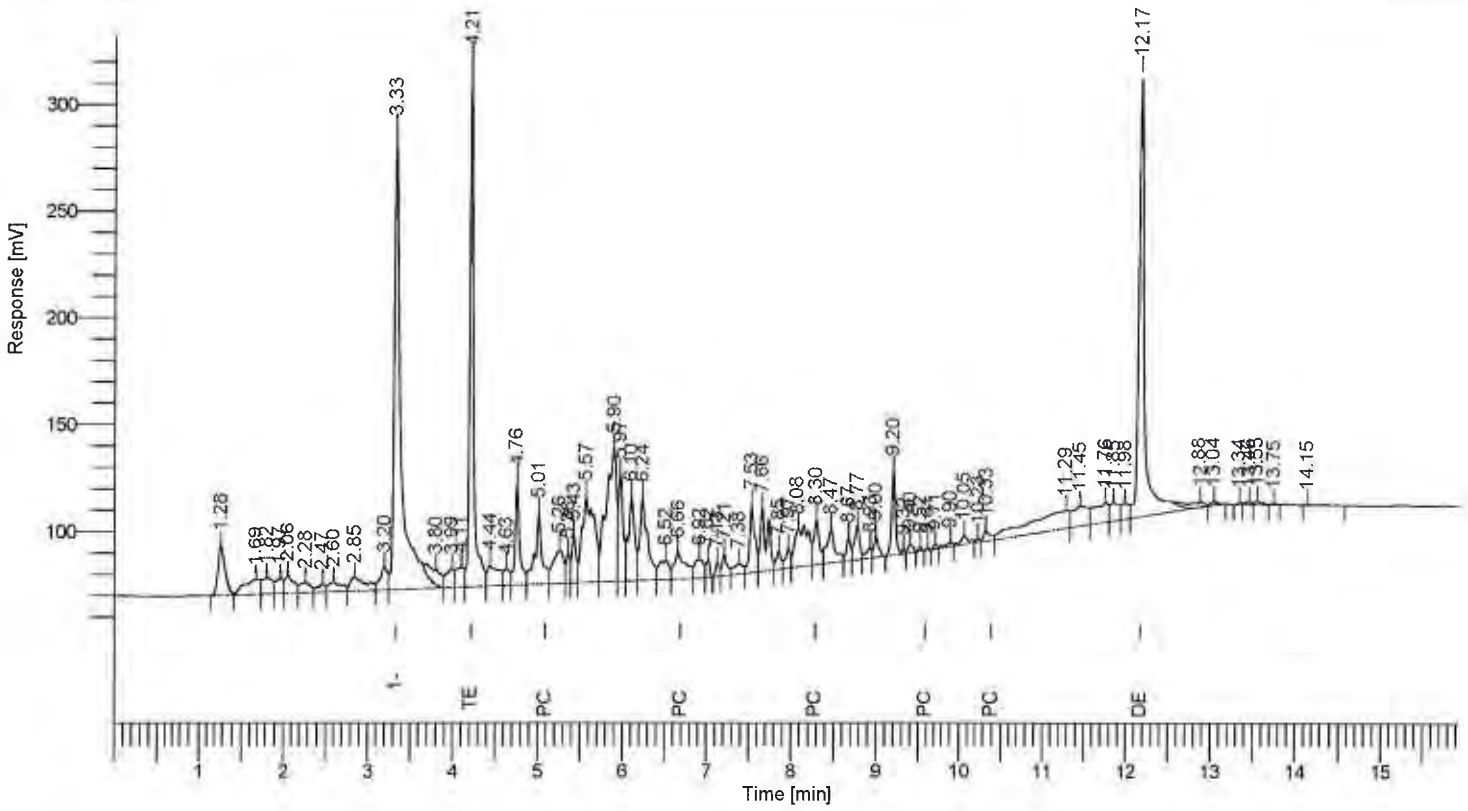
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Adjusted Amount
10	1-Bromo-2-Nitrobenzene	3.32	821287.01	192599.89	----------
14	Tetra chloro-meta-xylene	4.20	554221.62	215504.17	117.982
	PCB (1016+1260)	5.20	279432.66	48358.47	0.126
55	Decachlorobiphenyl	12.16	842890.85	188242.19	112.000
			2497832.15	644704.72	230.108

Software Version : 6.3.2.0646
Sample Name : 171108-119 0.1/2
Instrument Name : GC-E
Rack/Vial : 0/62
Sample Amount : 1.000000
Cycle : 64

Date : 11/14/2017 10:45:59 AM
Data Acquisition Time : 11/11/2017 2:24:32 PM
Channel : B
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B064.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



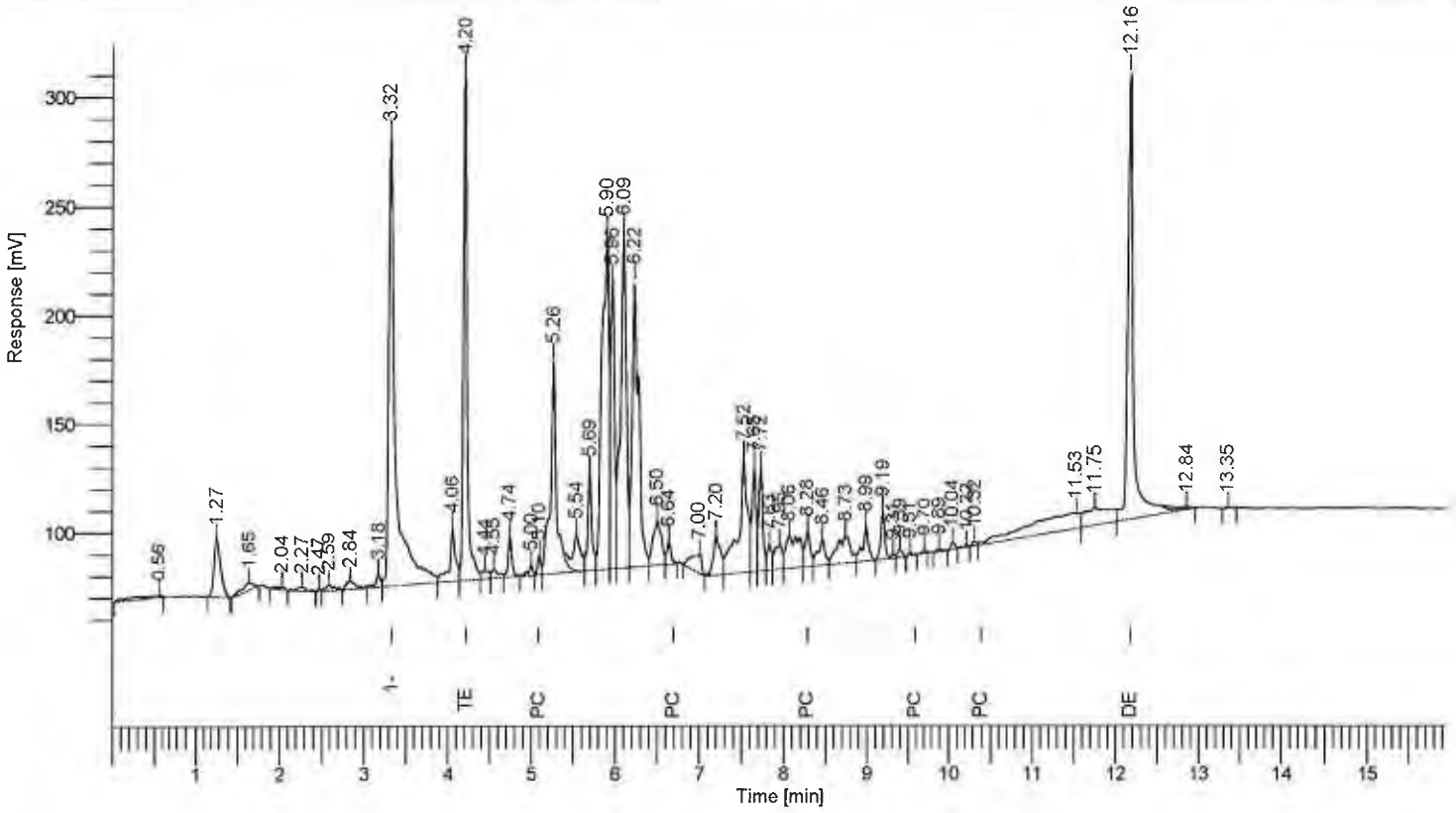
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Adjusted Amount
11	1-Bromo-2-Nitrobenzene	3.33	1214555.09	214209.71	----------
15	Tetra chloro-meta-xylene	4.21	767635.75	239232.00	110.501
	PCB (1016+1260)	5.01	443605.73	71379.16	0.135
61	Decachlorobiphenyl	12.17	965785.12	205126.71	86.777
			3391581.69	729947.59	197.413

Software Version : 6.3.2.0646
Sample Name : 171108-121 0.1/2
Instrument Name : GC-E
Rack/Vial : 0/65
Sample Amount : 1.000000
Cycle : 67

Date : 11/14/2017 10:46:56 AM
Data Acquisition Time : 11/11/2017 3:26:28 PM
Channel : B
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B067.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq

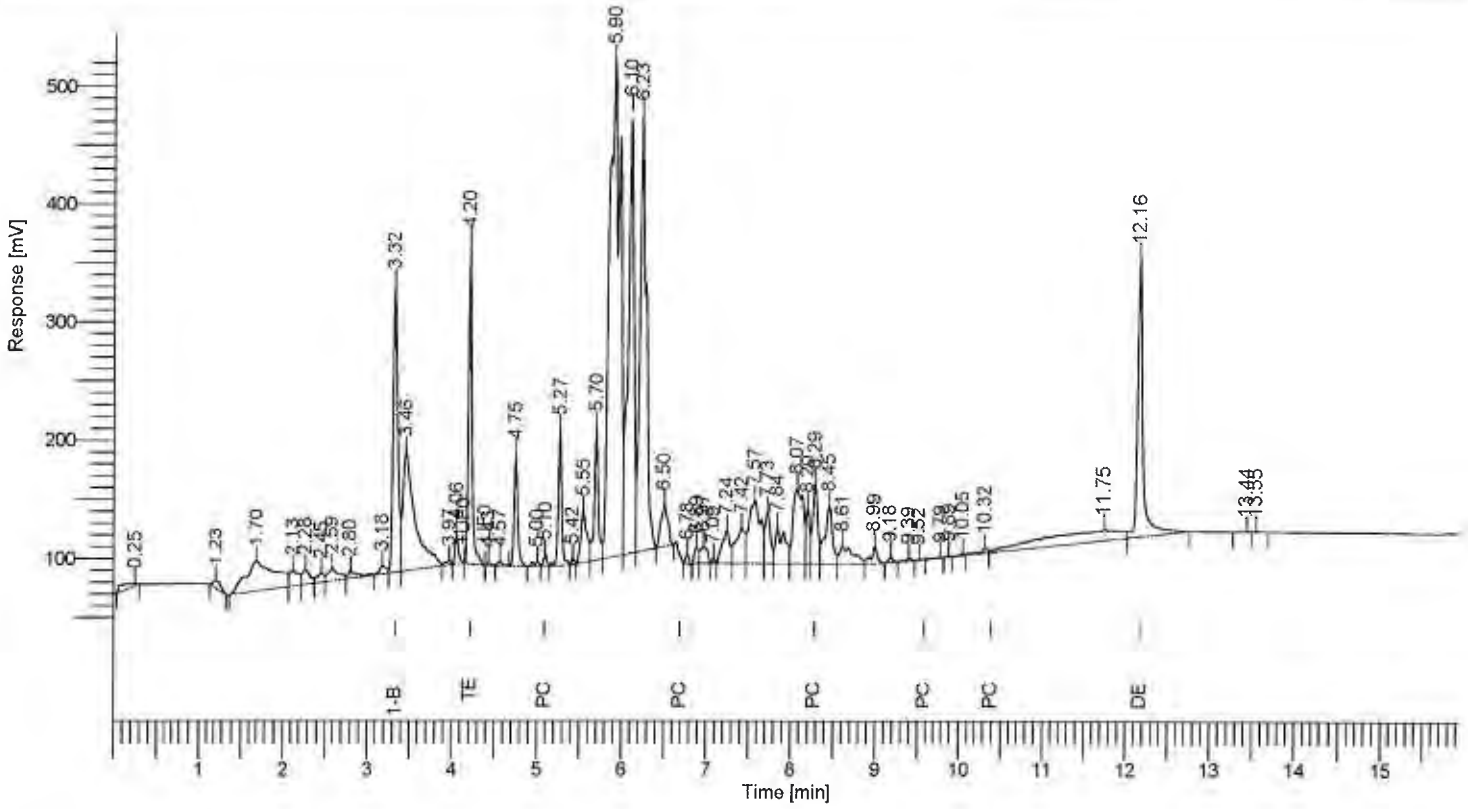


PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
10	1-Bromo-2-Nitrobenzene	3.32	1171576.08	205395.03	----------
12	Tetra chloro-meta-xylene	4.20	717598.27	231270.96	107.087
	PCB (1016+1260)	8.28	141986.18	38287.43	0.045
50	Decachlorobiphenyl	12.16	930405.73	203987.01	86.665
			2961566.25	678940.42	193.797

Software Version	: 6.3.2.0646	Date	: 11/14/2017 10:47:28 AM
Sample Name	: 171108-122 0.2/2	Data Acquisition Time	: 11/11/2017 3:47:14 PM
Instrument Name	: GC-E	Channel	: B
Rack/Vial	: 0/66	Operator	: GC
Sample Amount	: 1.000000	Dilution Factor	1.000000
Cycle	: 68		

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B068.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



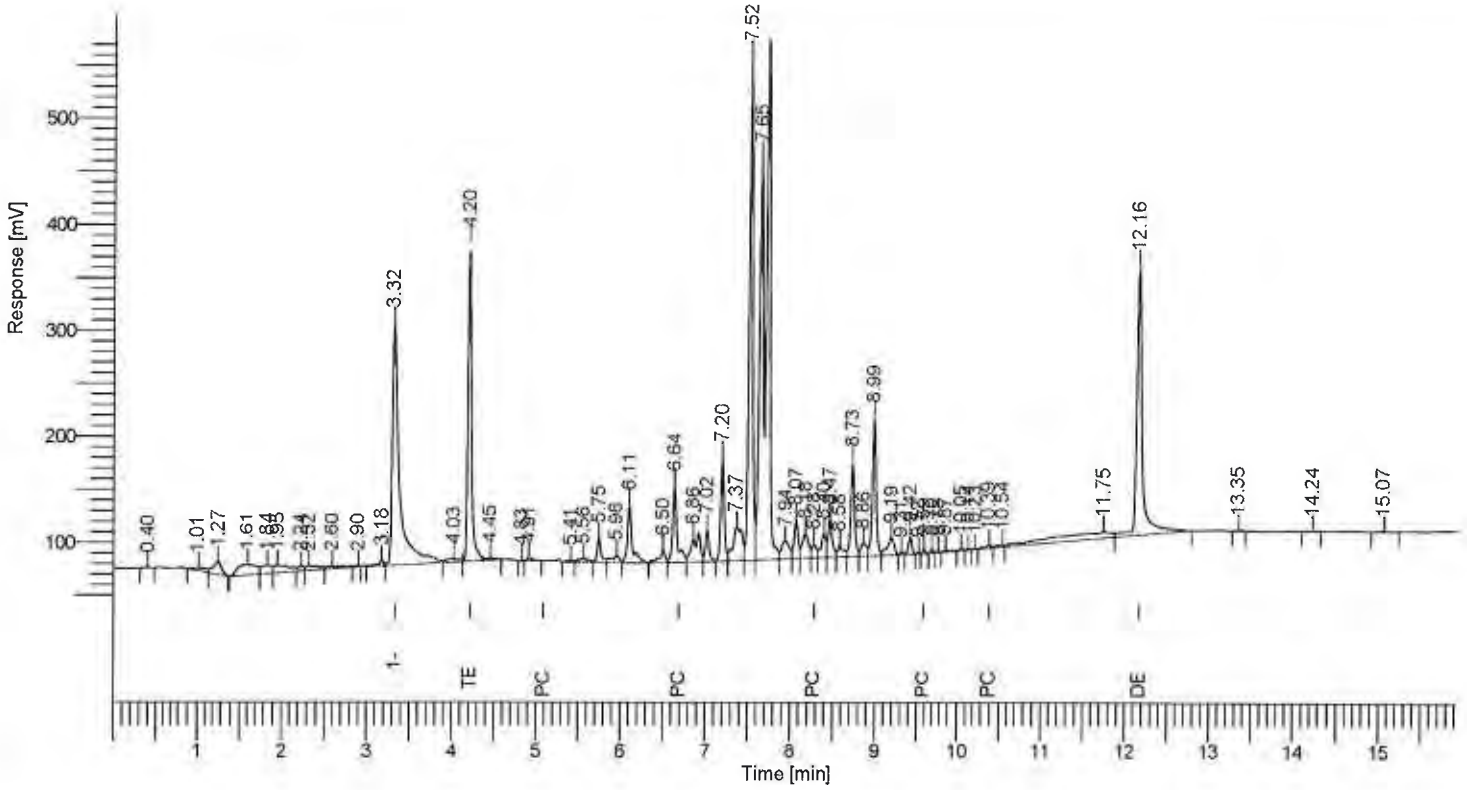
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Adjusted Amount
10	1-Bromo-2-Nitrobenzene	3.32	928502.10	242467.51	----------
14	Tetra chloro-meta-xylene	4.20	745806.45	271964.74	140.433
	PCB (1016+1260)	8.29	360767.86	89786.87	0.144
51	Decachlorobiphenyl	12.16	1030150.49	232816.00	121.077
			3065226.89	837035.11	261.654

Software Version : 6.3.2.0646
Sample Name : 171108-123 0.5/10 RE
Instrument Name : GC-E
Rack/Vial : 0/19
Sample Amount : 1.000000
Cycle : 20

Date : 11/15/2017 8:58:48 AM
Data Acquisition Time : 11/13/2017 4:09:01 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B106.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



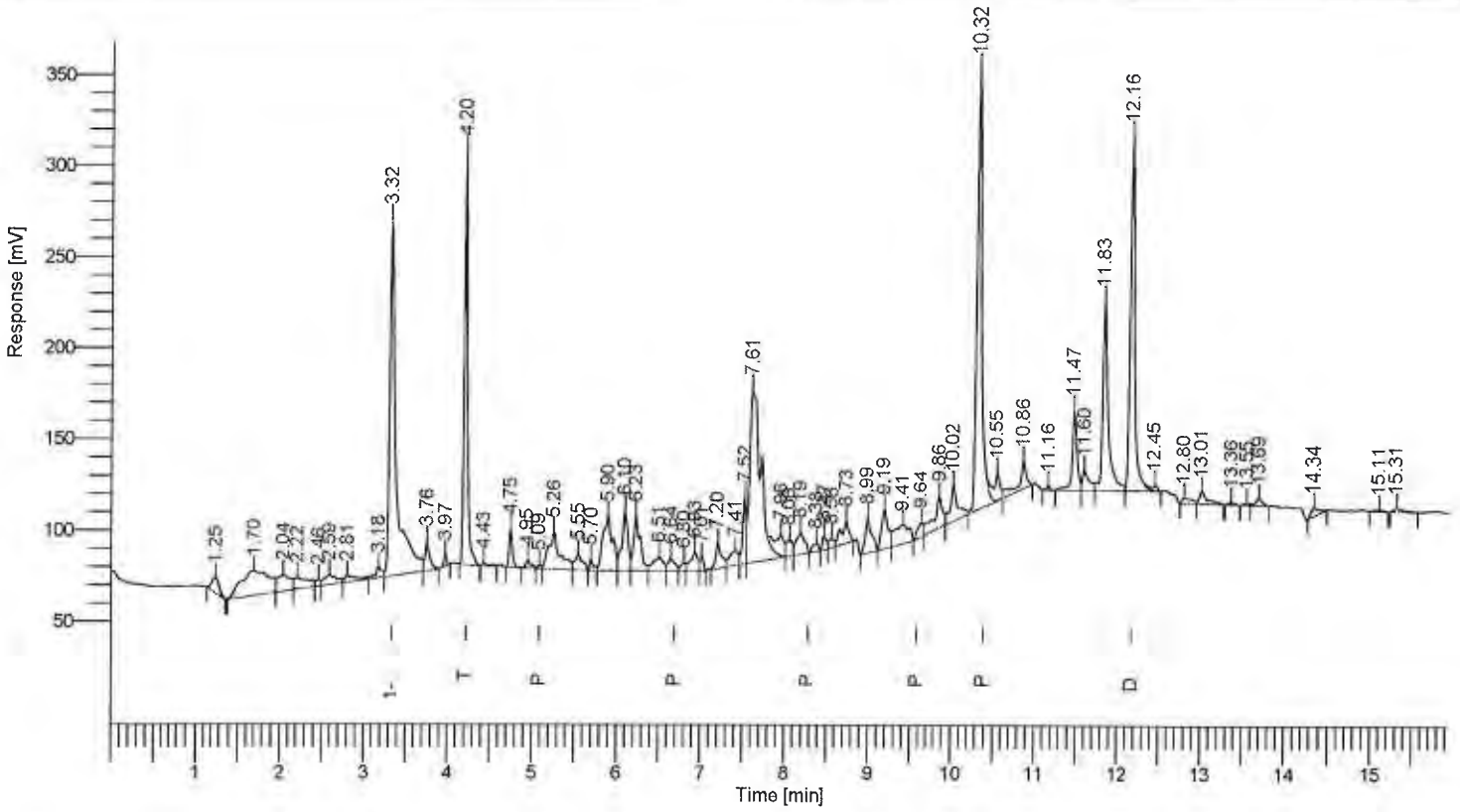
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
12	1-Bromo-2-Nitrobenzene	3.32	1373914.49	229385.22	----------
14	Tetra chloro-meta-xylene	4.20	875053.77	288072.95	111.353
	PCB (1016+1260)	6.64	335513.39	87868.52	0.090
55	Decachlorobiphenyl	12.16	1148101.58	251014.59	91.193
			3732583.23	856341.27	202.637

Software Version : 6.3.2.0646
Sample Name : 171108-125 0.1/2
Instrument Name : GC-E
Rack/Vial : 0/69
Sample Amount : 1.000000
Cycle : 71

Date : 11/14/2017 10:49:16 AM
Data Acquisition Time : 11/11/2017 4:49:38 PM
Channel : B
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B071.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq

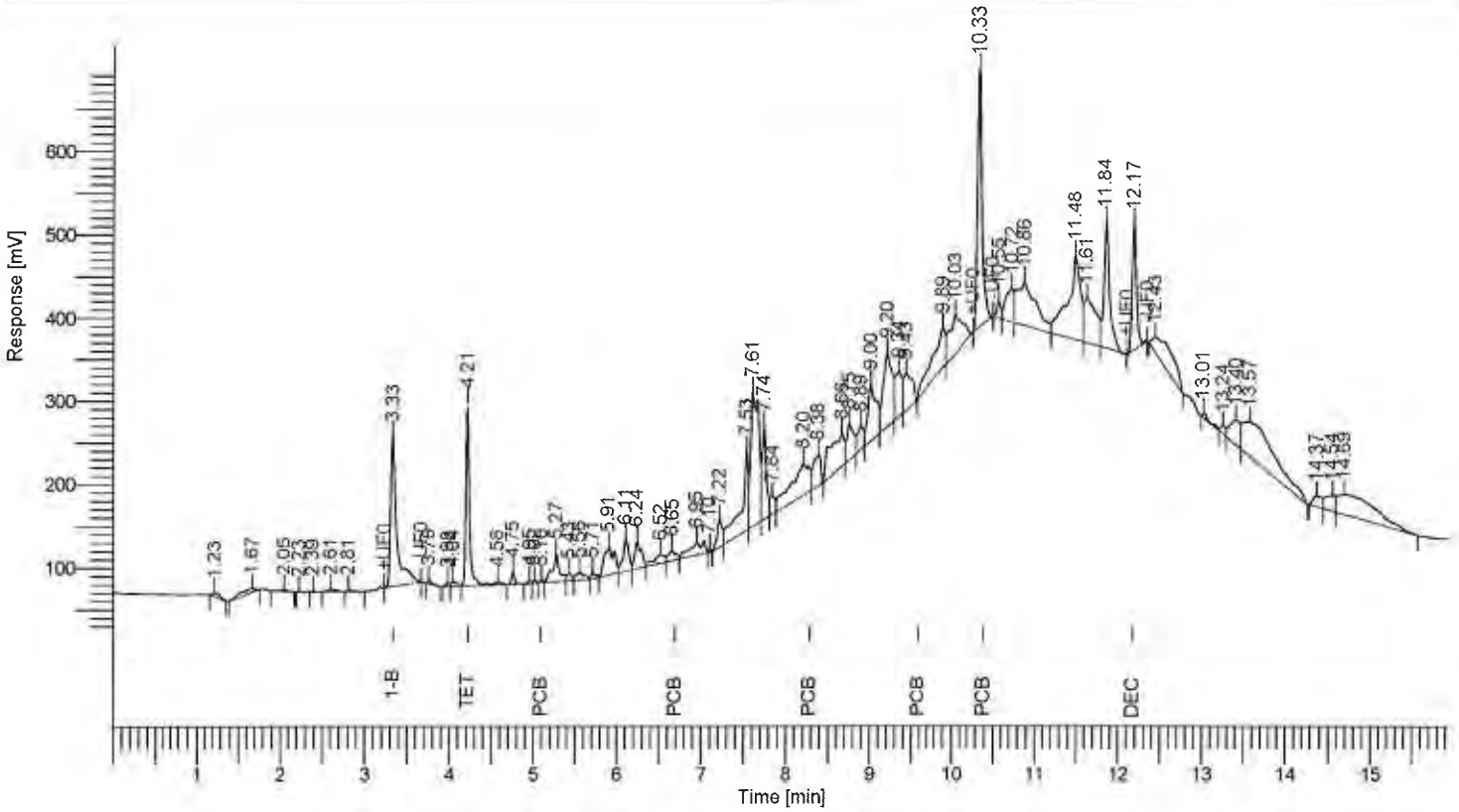


PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
9	1-Bromo-2-Nitrobenzene	3.32	1062427.87	194357.56	----------
12	Tetra chloro-meta-xylene	4.20	612673.92	218165.14	100.822
	PCB (1016+1260)	10.32	1085826.15	267460.94	0.378
52	Decachlorobiphenyl	12.16	728471.34	192254.87	74.826
			3489399.29	872238.51	176.027

Software Version	6.3.2.0646	Date	: 11/14/2017 10:49:53 AM
Sample Name	171108-126 0.1/2	Data Acquisition Time	: 11/11/2017 5:10:21 PM
Instrument Name	GC-E	Channel	: B
Rack/Vial	0/70	Operator	: GC
Sample Amount	1.000000	Dilution Factor	: 1.000000
Cycle	: 72		

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B072.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



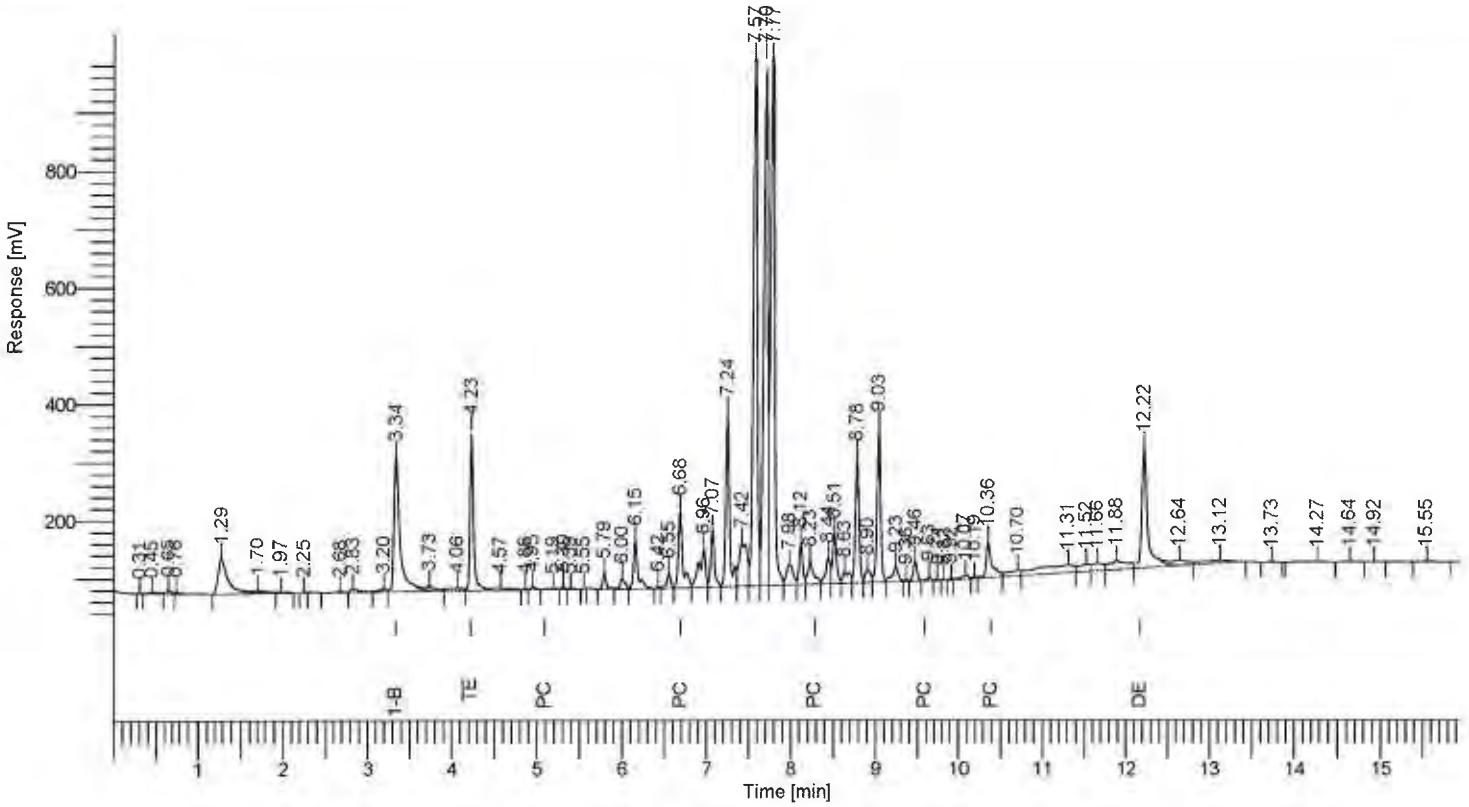
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
8	1-Bromo-2-Nitrobenzene	3.33	920631.11	180140.74	----------
12	Tetra chloro-meta-xylene	4.21	634791.90	209704.38	120.552
	PCB (1016+1260)	10.33	1791227.88	363934.27	0.719
52	Decachlorobiphenyl	12.17	528965.60	152441.56	62.702
			3875616.49	906220.94	183.973

Software Version : 6.3.2.0646
Sample Name : 171108-132 0.5/40 RE
Instrument Name : GC-E
Rack/Vial : 0/38
Sample Amount : 1.000000
Cycle : 5

Date : 11/15/2017 9:28:40 AM
Data Acquisition Time : 11/14/2017 9:50:49 AM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B147.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
12	1-Bromo-2-Nitrobenzene	3.34	1142254.46	229999.18	----------
15	Tetra chloro-meta-xylene	4.23	772224.08	262420.35	118.197
	PCB (1016+1260)	6.68	1016403.22	239963.25	0.329
60	Decachlorobiphenyl	12.22	994741.20	205915.85	95.036
			3925622.96	938298.64	213.562

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
~~0~~ 1 Week (Standard)
Other:

Misc./PO# JAMS SMSD-17-7132

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA 8082 PCBs	COMMENTS
1106-01	171108-56	1106-17	1600	Bulk	1 4oz		Ice	X	
02	- 57	11-06-17	1602		1			X	
03	- 58		1607		1			X	
04	- 59		1612		1			X	
05	- 60		1620		1			X	
06	- 61		1625		1			X	
07	- 62		1626		1			X	
08	- 63		1630		1			X	
09	- 64		1633		1			X	
10	- 65		1636		1			X	
11	- 66		1640		1			X	
12	- 67		1642		1			X	
13	- 68		1730		1			X	
14	- 69		1738		1			X	
15	- 70		1750		1			X	

Company Name: Alta Environmental
Project Contact: Cesar Ruvalcaba
Sampler's Signature:
Address: 3777 Long Beach Blvd
Tel:
Project Name/ID: JAMS - SMSD-17-7132
City/State/Zip: Long Beach, CA
Fax:

Relinquished by:	Received by:	Date & Time: 11/8/17 1305
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 11-08-17 ~~11-06-17~~ (FE)

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO# Sms 0-17-7132

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA method 8082 PCBs	COMMENTS
1106-16	171108-71	11-06-17	1830	Bulk	1 4oz		Ice	X	
-17	-72		1835		1			X	
-14A	-73		1900		1			X	
-14B	-74		1902		1			X	Duplicate
-14C	-75		1902		1		d	X	+

Analysis Required

Company Name:	Alta Environ
Address:	3777 Long Beach Blvd
City/State/Zip:	Long Beach Ca
Project Contact:	Cesar Ruvalcaba
Tel:	
Fax:	
Sampler's Signature:	
Project Name/ID:	

Relinquished by:	Received by: Josh R	Date & Time: 11/8/17 1305
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 11-8-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO# SMSO-17-7132

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required (EPA Method 8082 PCBs)	COMMENTS
1106-16		11-6-17	1830	Bulk	1		Ice	X	
1107-01	171108-76	11-7-17	1930	Bulk	1	4°C	Ice	X	
02	-77		1432		1			X	
03	-78		1440		1			X	
04	-79		1445		1			X	
05	-80		1500		1			X	
06	-81		1505		1			X	
07	-82		1545		1			X	
08	-83		1630		1			X	
09	-84		1620		1			X	
10	-85		1622		1			X	
11	-86		1629		1			X	
13	-87		1700		1			X	

Company Name: Alta Environmental
Address: 3777 Long Beach
City/State/Zip: Long Beach
Project Contact: Cesar Rueda Jr
Tel:
Fax:
Sampler's Signature:
Project Name/ID: Jams SMSO-17-7132

Relinquished by:	Received by:	Date & Time: 11/8/17 1305
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 11-08-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO# SMSD-17-7132

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
1107-14	171108-88	11-07-17	1705	Bulk	1 40Z		Ice	X	
15	-89		1715		1			X	
16	-90		1725		1			X	
17	-91		1730		1			X	
18	-92		1731		1			X	
19	-93		1753		1			X	
20	-94		1800		1			X	
21	-95		1800		1			X	Duplicate
22	-96		1815		1			X	
23	-97		1820		1			X	
24	-98		1822		1			X	
25	-99		1825		1			X	
26	-100		1826		1			X	
27	-101		1830		1			X	
28	-102		1831		1			X	

Company Name: Alta Environtl
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca

Project Contact: C. Ruvalcaba
Tel:
Fax:

Sampler's Signature:
Project Name/ID: JAMS SMSD-17-7132

Relinquished by:	Received by: Jessica	Date & Time: 11/8/17 1305
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 11-08-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#: SMSD-17-7132

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA method 8082-PCBs (?)	COMMENTS
1107-30	171108-103	1107-17	1900	Bulk	1	4oz	Ice	X	
31	not used								
32	-104		1920	Bulk	1	4oz	ICE	X	
33	-105		1922					X	
34	-106		1930					X	
35	-107		1935					X	
36	-108		1940					X	
37	-109		1948					X	
38	-110		1950					X	
39	-111		2000					X	
40	-112		2005					X	
40A	-113		2005					X	Replicate
41	-114		2009					X	
42	-115		2030					X	
43	-116		2035					X	

Company Name: Alta Environmental (?)
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca
Project Contact: C. Ruvalcaba (?)
Tel:
Fax:
Sampler's Signature: [signature]
Project Name/ID: JAMS SMSD-17-7132

Relinquished by: [signature]	Received by: Jessica (signature)	Date & Time: 11/8/17 1305
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 11-8-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
1107-44	171108-117	11-07-17	2040	Bulk	1		Ice	X	
-44A	-118	"	2042	"	1	40Z	"	X	
45	-119		2045		1			X	
46	-120		2100		1			X	
47	-121		2105		1			X	
48	-122		2106		1			X	
49	-123		2110		1			X	
50	-124		2112		1			X	
51	-125		2115		1			X	
52	-126		2117		1			X	
53	-127		2118		1			X	
54	-128		2120		1			X	
55	-129		2123		1			X	
56	-130		2125		1			X	(split set)
57	-131		2140		1			X	
29	-132	11/07/17	(-)					X	

EPA Method 8082 - PCBs

Misc./PO#

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach CA

Project Contact: Cesar Ruvalcaba
Tel:
Fax:

Sampler's Signature:
Project Name/ID: JAHS SMED-17-7132

Relinquished by:	Received by: Jessa	Date & Time: 11/8/17 1305
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 11-8-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 16, 2017

Mr. Cesar Ruvalcaba
Alta Environmental
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807
Tel:(562)495-5777 Email:Cesar.Ruvalcaba@altaenviron.com

Project: **JAMS**
Lab I.D.: **171109-15 through -19**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on November 9, 2017, are attached. The samples were received intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel:(562)495-5777 Email:Cesar.Ruvalcaba@altaenviron.com
PROJECT: **JAMS**

DATE SAMPLED:11/08/17
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:11/09/17
DATE EXTRACTED:11/10&13/17
DATE ANALYZED:11/13-14/17
DATE REPORTED:11/16/17

PCBs ANALYSIS
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1108-1	171109-15	ND	ND	ND	ND	ND	ND	ND	ND	1
1108-2	171109-16	ND	ND	ND	ND	ND	ND	ND	ND	1
1108-3	171109-17	ND	ND	ND	ND	ND	ND	ND	ND	1
1108-4	171109-18	ND	ND	ND	ND	ND	ND	ND	ND	40^
1108-5	171109-19	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

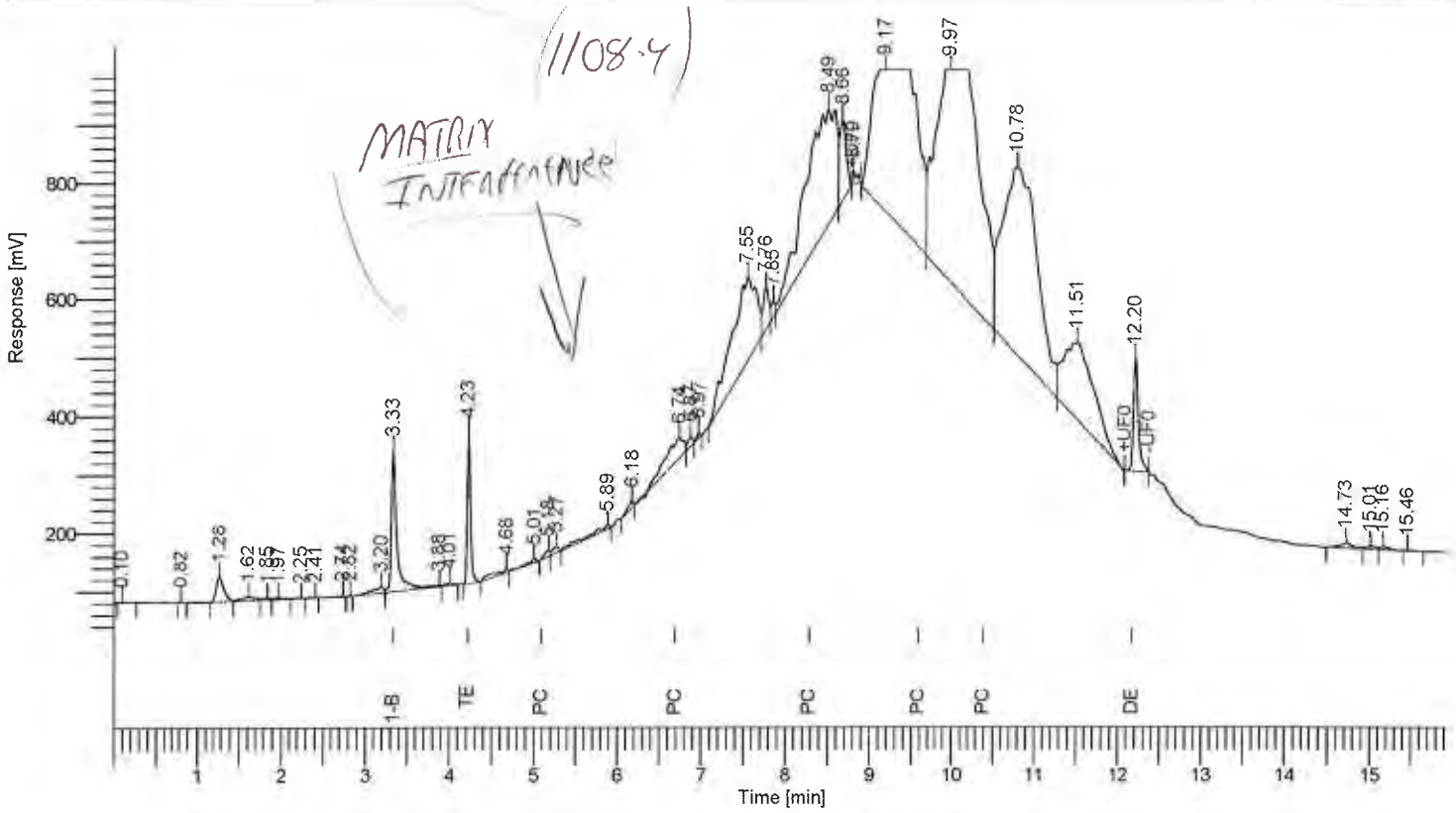
COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
^ = Actual detection limit raised due to matrix interference

Data Reviewed and Approved by:_____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version	: 5.3.2.0646	Date	: 11/15/2017 9:30:11 AM
Sample Name	: 171109-18 1/200 RE	Data Acquisition Time	: 11/14/2017 10:31:56 AM
Instrument Name	: GC-E	Channel	: B
Rack/Vial	: 0/40	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 7		

4/DF=40)

Result File : D:\GC DATA\GC-E\E02017\E1711\E171110\B149.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1711\E171110\E171110.seq



PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
12	1-Bromo-2-Nitrobenzene	3.33	1076972.11	240372.69	----------
15	Tetra chloro-meta-xylene	4.23	661191.74	247065.14	107.337
	PCB (1016+1260)	6.74	651567.70	44249.23	0.224
35	Decachlorobiphenyl	12.20	753529.27	192192.13	76.355
			3143260.81	723879.18	183.916

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 11/13-14/2017

Unit: mg/Kg(PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 171113-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.105	**105%**	0.097	**97%**	**8%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.115	**115%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171108-131	171108-132	171109-15	171109-16	171109-17	171109-18
Tetra-chloro-meta-xylene	50-150	110%	136%	118%	63%	107%	115%	107%
Decachlorobipneyl	50-150	93%	116%	95%	54%	91%	125%	76%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171109-19							
Tetra-chloro-meta-xylene	83%							
Decachlorobipneyl	146%							

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tetra-chloro-meta-xylene						
Decachlorobipneyl						

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO# JAMS

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 PCBs	COMMENTS
1108-1	171109-15	11-08-17	1233	Bulk	1		TCE	X	
2	-16		1236		1			X	
3	-17		1270		1			X	
4	-18		1244		1			X	
5	-19		1255		1			X	
					4 OZ				

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca
Project Contact: Cesar Avalos
Tel:
Fax:
Sampler's Signature:
Project Name/ID: JAMS

Relinquished by:	Received by:	Date & Time: 11/9/17 2:33 PM	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client ● Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

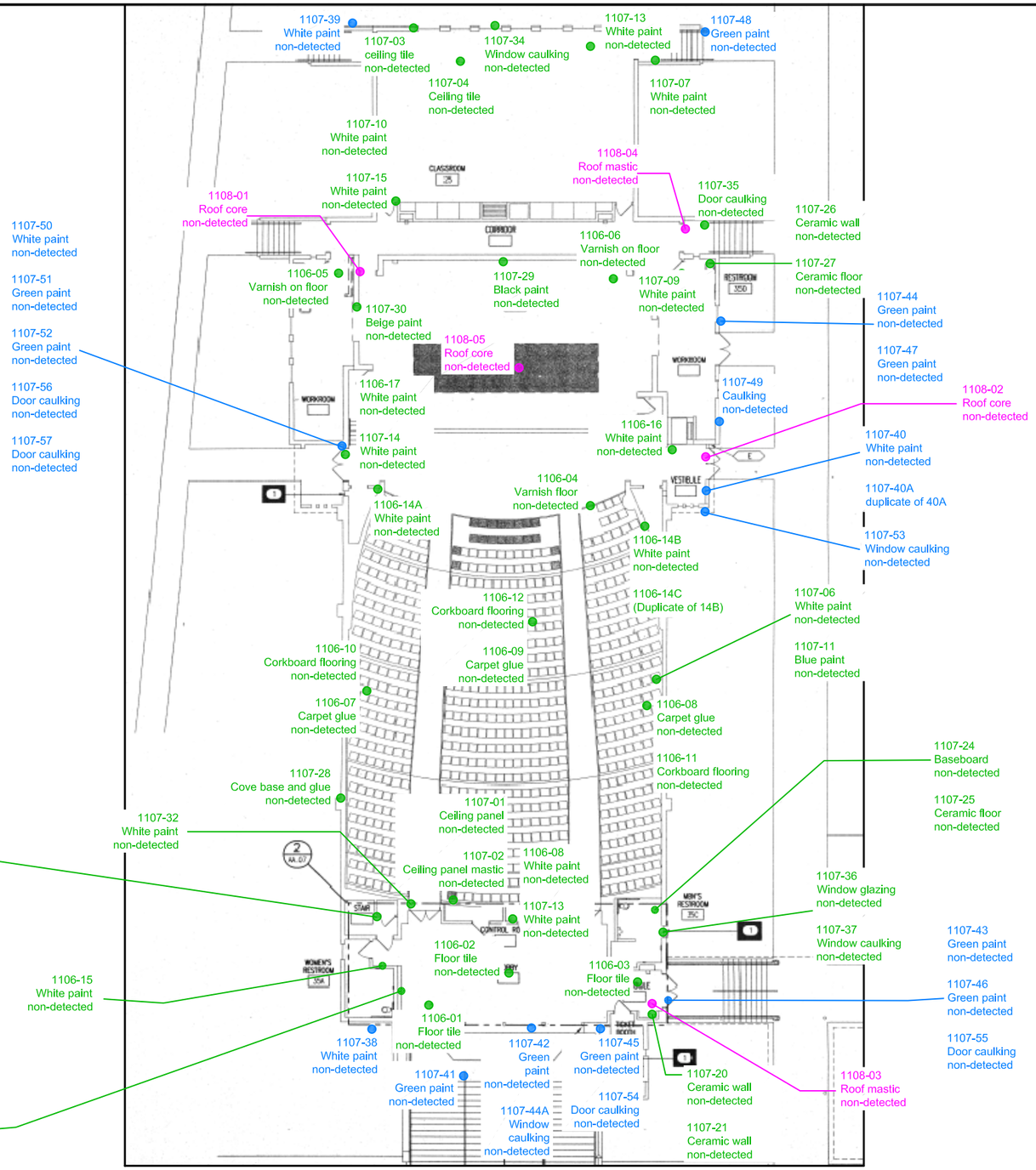
CHAIN OF CUSTODY RECORD

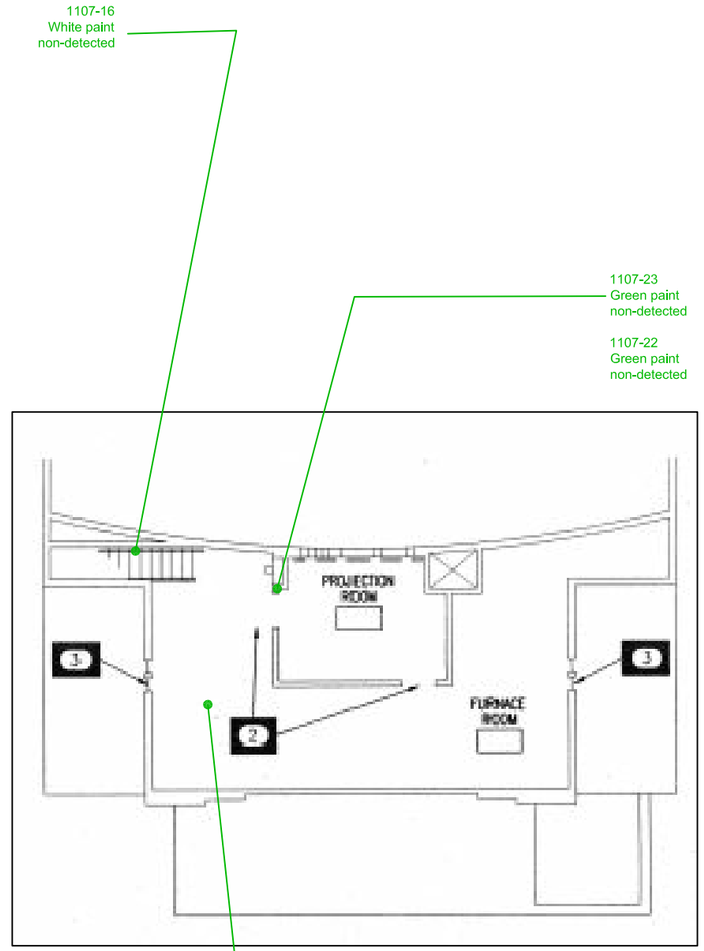
Date: 11-9-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Appendix C

Sample Location Maps





Mezzanine

LEGEND

- Interior Samples
- Exterior Samples
- Roof Samples

Sample Location Map - Auditorium

John Adams Middle School
16th Street
Santa Monica, California

ALTA ENVIRONMENTAL
3777 Long Beach Blvd. Annex Bldg. Long Beach, California 90807
P: (562) 495-5777 ◆ F: (562) 495-5877 ◆ www.altaenvironmental.com

DATE: January 2018 | Project No.: SMSD-17-7132

Appendix D

Photographs

John Adams Middle School– Auditorium

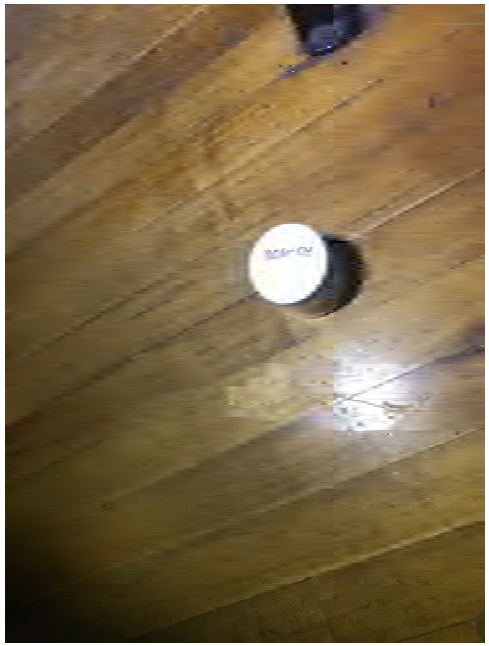
1106-01

1106-02

John Adams Middle School– Auditorium

1106-03

1106-04



John Adams Middle School– Auditorium

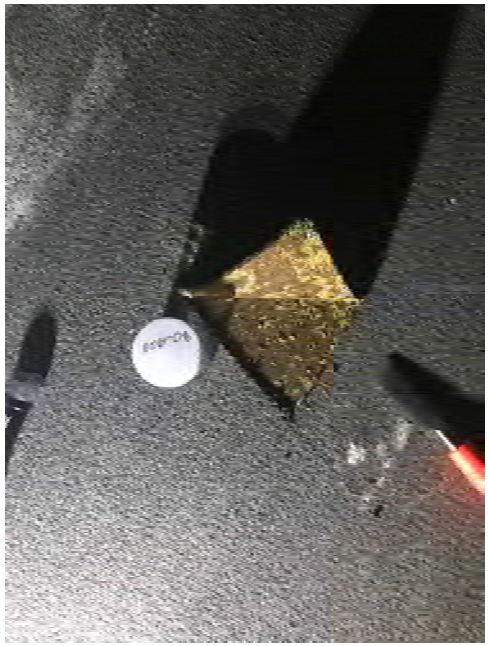
1106-05

1106-06

John Adams Middle School– Auditorium

1106-07

1106-08



John Adams Middle School– Auditorium

1106-09

1106-10

John Adams Middle School– Auditorium

1106-11

1106-12

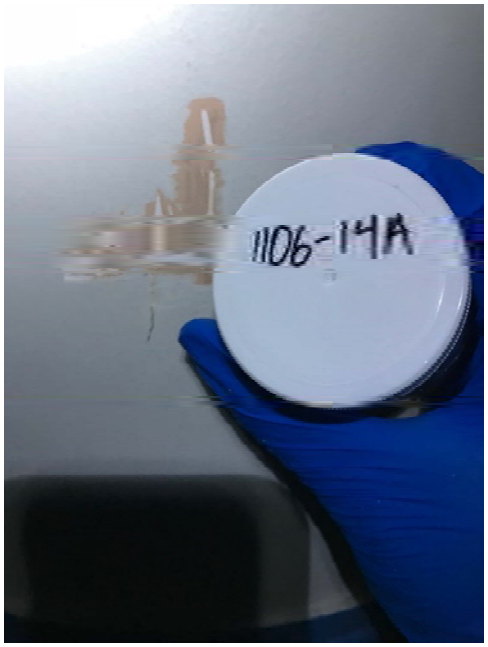
John Adams Middle School– Auditorium

1106-13

1106-14

John Adams Middle School– Auditorium

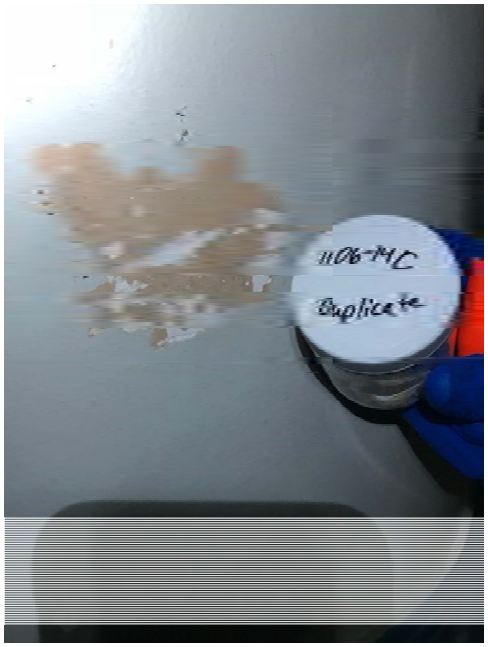
1106-14A



1106-14B

John Adams Middle School– Auditorium

1106-14C

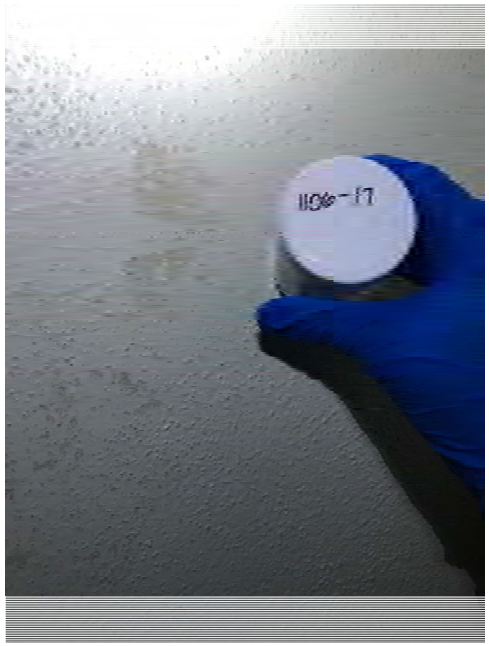


1106-15

John Adams Middle School– Auditorium

1106-16

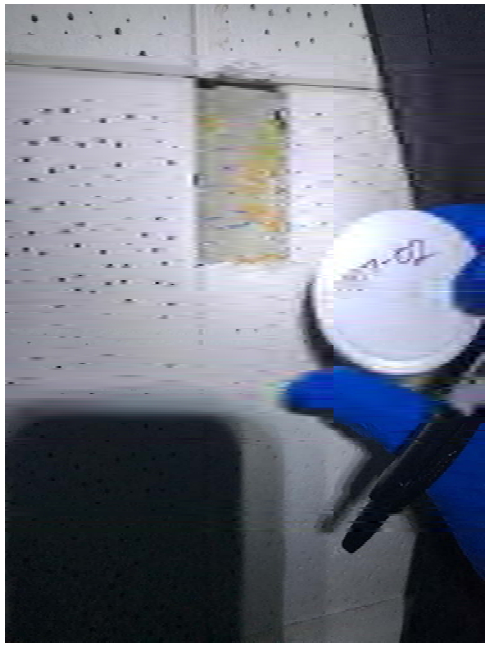
1106-17



John Adams Middle School– Auditorium

1107-01

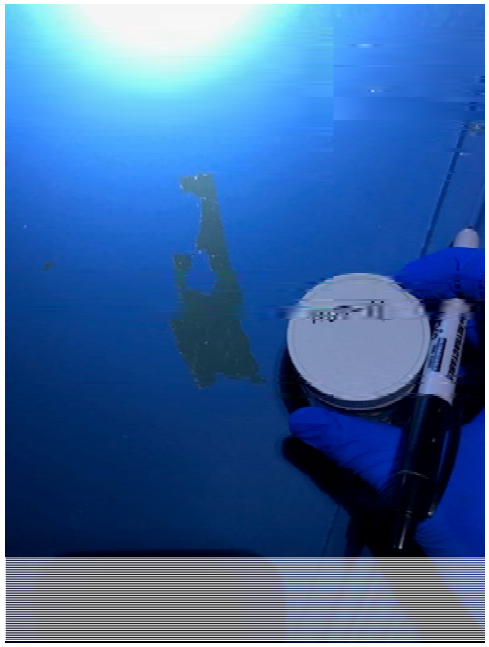
1107-02



John Adams Middle School– Auditorium

1107-10

1107-11



John Adams Middle School– Auditorium

1107-22

1107-23

John Adams Middle School– Auditorium

1107-26

1107-27

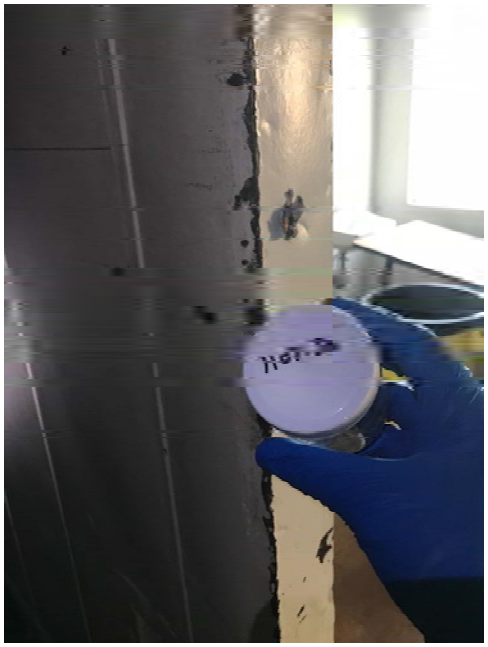
John Adams Middle School– Auditorium

1107-28

1107-29

John Adams Middle School– Auditorium

1107-30



1107-32

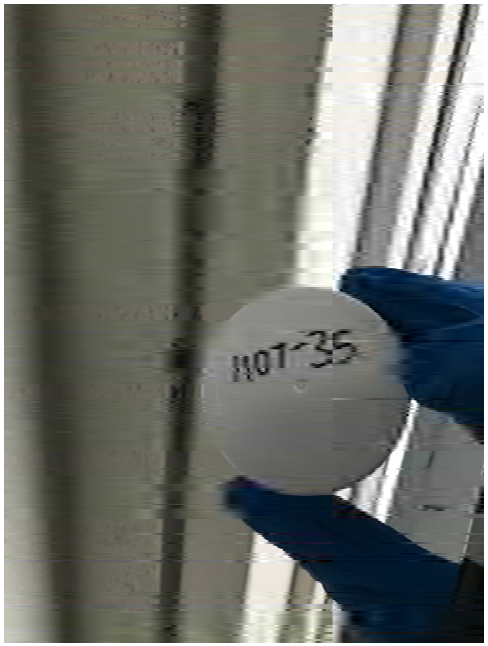
John Adams Middle School– Auditorium

1107-33

1107-34

John Adams Middle School– Auditorium

1107-35



1107-36

John Adams Middle School– Auditorium

1107-37

1107-38

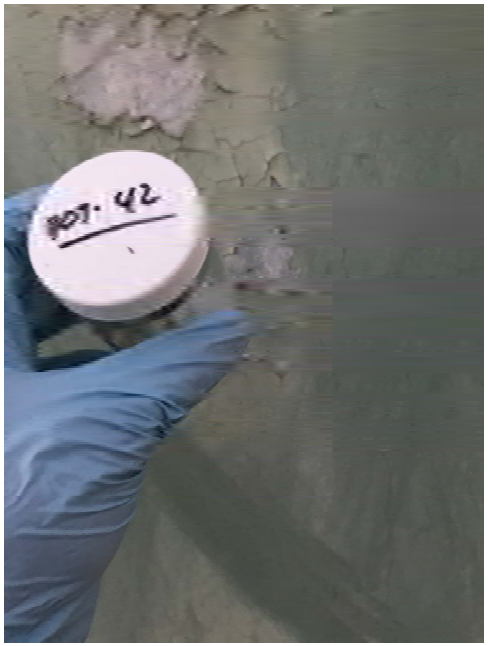
John Adams Middle School– Auditorium

1107-40A

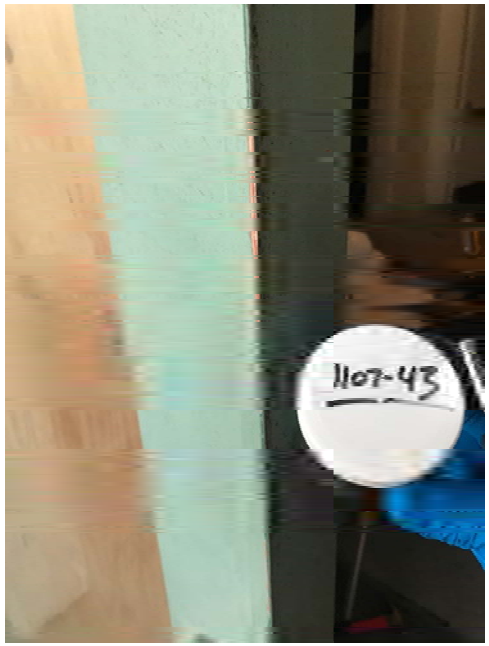
1107-41

John Adams Middle School– Auditorium

1107-42



1107-43



John Adams Middle School– Auditorium

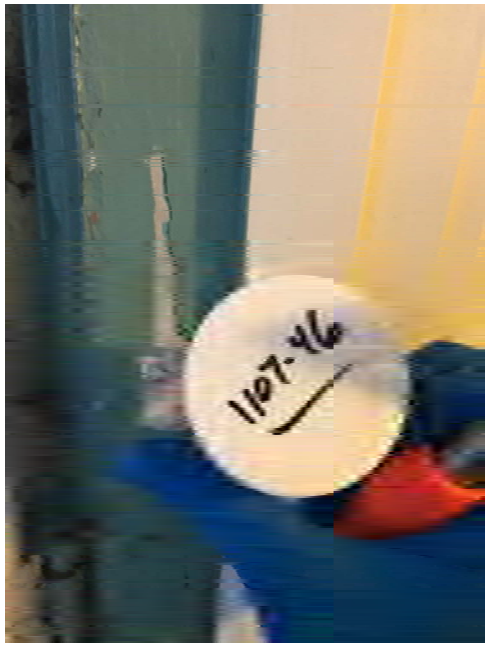
1107-44

1107-44A

John Adams Middle School– Auditorium

1107-45

1107-46



John Adams Middle School– Auditorium

1107-47

1107-48

John Adams Middle School– Auditorium

1107-49

1107-50

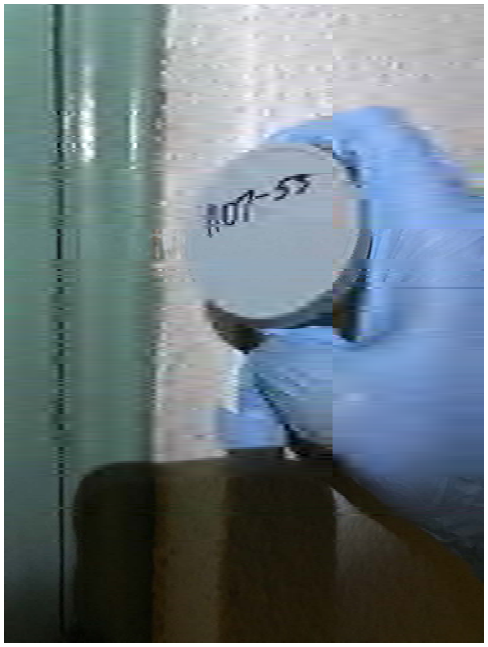
John Adams Middle School– Auditorium

1107-53

1107-54

John Adams Middle School– Auditorium

1107-55



1107-56

John Adams Middle School– Auditorium

1107-57

John Adams Middle School– Auditorium

1108-01

1108-02

John Adams Middle School– Auditorium

1108-03

1108-04

John Adams Middle School– Auditorium

1108-05